# SUTTNER

AMERICA COMPANY

***PRESSURE WASHER COMPONENTS & ACCESSORIES***

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# Terms & Conditions

## Payment:

*Standard terms are net 30 days from date of invoice for accounts with approved credit. A service charge of 1.5% per month may be assessed on invoices over 30 days. In addition, we do accept credit card and ACH payments.*

## Shipping:

*F.O.B. Dubuque, IA. All ground orders are shipped exclusively by United Parcel Service (UPS).*

***There is a $10.00 charge per order for drop shipments.*** *All Drop Ship orders are to ship pre-paid and add. Drop ship invoices are faxed/emailed, providing immediate freight cost information.*

## Pricing:

*Suttner America Company reserves the right to change discounts and/or pricing without notice. Trade discounts are based upon unit and dollar volume and are inclusive of warranty allowance. A surcharge may be added to individual orders in response to foreign currency exchange rate fluctuations.*

## Minimum Order:

***$100 minimum is required for all orders. Minimum quantities may apply for some items as noted with an asterisk and/or text.***

## Returns:

*Returned goods are subject to a 15% restocking fee. Only goods returned with a Return Goods Authorization Number (RGA#) will be accepted at our warehouse. Obtain an RGA # from Suttner America Company before returning any goods.*

## Shipping Discrepancies:

***Discrepancies must be submitted within 24 hours of receipt of goods.***

## Stocking Orders:

*Stocking orders can be ordered in multiple shipments; within the time-frame noted. To maintain the stocking order discounts levels; 45% of the minimum annual volume for that discount level must be delivered within that six month period. Suttner America Company reserves the right to periodically review and adjust discount levels based upon actual or estimated annual purchase volume.*

*The preceding use of the term "delivered" distinguishes between product ordered and product shipped. Maintaining a discount is determined by volume of product shipped.*

*Suttner America Company is dedicated to shipping all orders no later than the day specified. It is necessary that Suttner America Company be kept advised of high volume customer needs. Placed orders with scheduled releases assures that product is in-house and ready for just-in-time delivery. Suttner America Company customers do not have to contend with manufacturing lead times or international shipping. Suttner America Company maintains a high volume production run inventory providing customers with cost effective manufacturing and shipping processes.*

*Possession of this catalog or any other Suttner America Company material should not be construed as an offer to sell.*

## Water Quality:

*Water should be clean water and have no floating particles (these particles reduce product life). Under no circumstances should your machine be supplied with water from a pond, sea or fully demineralized water. To ensure, you are using clean water, put a sample of water in a glass, let it stand for a few hours and then check to see if any floating particles have settled at the bottom of the glass.*

## Disclaimer:

***Product information and specifications are subject to change and Suttner reserves the right to make changes to the catalog at any time without notice. All reasonable efforts have been made to ensure the accuracy of the information.***

# About Us

**For Nearly 60 Years:** The SUTTNER brand is recognized for many of the modern innovations in the high pressure cleaning applications today.

- 375 employees world wide.
- 430,000 square foot factory space worldwide.
- Suttner supplies components to more than 75 countries.
- In-house production of 95% of **ALL** products sold.

**Training:** We are committed to training, we believe the more knowledge the customer has, the easier the selling process.

**Innovation:** Suttner strives to develop 2 products each month on average.

**Reliability:** We strive to fill orders in a timely manner.

**Integrity:** Is a concept of consistency of actions, values, methods, measures, principles, expectations and outcomes.

**Consistency:** Our integrity guides us to supply our customers with the parts and accessories in a manner that they request.

**Quality:** Product branded with the SUTTNER name is designed and manufactured with quality products that features comfortable and easy function use that customers have come to expect for nearly ***60 years***.

**Discipline:** Our management team has the business acumen to stay true to business strategies that partner with like-minded customers.

**Loyalty:** A shared business loyalty model combining quality of product and service leads to mutually satisfying and profitable relationships.

**Partnership:** Development of successful, long term, strategic relationships based on achieving best practice and sustainable competitive advantages.

**Knowledge:** Our North American staff average 18 years of industry experience.

**Location:** Central USA warehouse for quick shipping direct to all locations.

*Our management team is driven by a true commitment to customer's needs. The Suttner team has extensive experience and provides the technical support needed. We specialize in personal service, spending time with customers over the phone or in person to diligently understand customer's needs and markets.*

## *Check out these videos and many more!*

## *Visit our YouTube Channel*

# SPRAY GUNS

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# Promote your company name or logo HERE

***Spray Guns:***

- ST-2012, ST-2300 series, ST-2600 series, ST-2700 series, ST-3500, and ST-3600
- Labels are customized to fit with YOUR company's colors and branding
- Customizing the color of the shell is also available, excluding ST-3500 and ST-3600
- Contact us for minimum quantities required

# Spray Gun Chart

| | ST-601 | ST-601C | ST-810 | ST-810 P.O.M | ST-1100 | ST-1200B | ST-1200S | ST-1500 | ST-1500C |
|---|---|---|---|---|---|---|---|---|---|
| Page Number | 22 | 22 | 12 | 12 | 13 | 24 | 24 | 13 | 13 |
| Pressure Rating | 4000 PSI | 4000 PSI | 3050 PSI | 2000 PSI | 3050 PSI | 350 PSI | 350 PSI | 5000 PSI | 4000 PSI |
| Gallons Per Minute | 12 GPM | 12 GPM | 8 GPM | 12 GPM | 7 GPM | 27 GPM | 27 GPM | 10.4 GPM | 12 GPM |
| Temperature Rating | 300° F | 300° F | 320° F | 320° F | 300° F | 190° F | 190° F | 300° F | 302° F |
| Inlet Size | 3/8" FPT | 3/8" FPT | 3/8" FPT | 1/4" & 3/8" FPT | 3/8" FPT | 1/2" FPT | 1/2" FPT | 3/8" FPT | 3/8" FPT |
| Outlet Size | 1/4" FPT | 1/4" FPT | 1/4" FPT | 1/4" FPT | 1/4" FPT | — | — | 1/4" FPT | 1/4" FPT |
| Valve Housing | Brass | Brass | Brass | Brass | Brass | Brass | Stainless Steel | Brass | Brass |
| Stainless Steel Component | ✓ | ✓ | ✓ | ✓ | — | ✓ | ✓ | ✓ | ✓ |
| Chemical Resistant | — | ✓ | — | | — | — | — | — | ✓ |
| Easy-Pull Trigger | — | — | — | — | — | — | — | — | — |
| Relax Action Trigger | — | — | — | — | — | — | — | — | — |
| Food Grade | — | — | — | — | — | — | ✓ | — | — |
| Private Label Availability | — | — | — | — | — | — | — | — | — |
| Stainless Steel Component | ST-610 Weep | — | ST-810 Weep | — | — | — | — | — | — |
| Available in Additional Colors | — | — | — | — | — | — | — | — | — |

| | ST-1500H | ST-1500 S.S. | ST-2000 | ST-2012 | ST-2305 | ST-2305 KEW Coupler | ST-2315 | NEW! ST-2320 | ST-2605 |
|---|---|---|---|---|---|---|---|---|---|
| Page Number | 13 | 14 | 14 | 14 | 15 | 15 | 16 | 16 | 17 |
| Pressure Rating | — | 5000 PSI | 5000 PSI | 5000 PSI | 5000 PSI | 5000 PSI | 5000 PSI | 1800 PSI | 5000 PSI |
| Gallons Per Minute | — | 10.4 GPM | 10.4 GPM | 10.5 GPM | 12 GPM | 12 GPM | 12 GPM | 21 GPM | 12 GPM |
| Temperature Rating | 300° F | 300° F | 300° F | 302° F | 300° F | 300° F | 300° F | 300° F | 300° F |
| Inlet Size | 3/8" FPT | 3/8" FPT | 3/8" FPT | 3/8" FPT | 3/8" FPT & 3/8" FPT Swivel | 3/8" FPT | 3/8" FPT | 1/2" FPT Swivel | 3/8" FPT |
| Outlet Size | 1/4" FPT | 1/4" FPT | 1/4" FPT | 1/4" FPT | 1/4" FPT | KEW Q.C Socket | 1/4" FPT | 1/2" FPT | 1/4" FPT |
| Valve Housing | Open | Stainless Steel | Brass | Brass | Brass | Brass | Brass | Brass | Brass |
| Stainless Steel Component | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | — |
| Chemical Resistant | — | — | — | — | — | — | ✓ | ✓ | — |
| Easy-Pull Trigger | — | — | — | — | ✓ | — | ✓ | — | — |
| Relax Action Trigger | — | — | — | — | ✓ | — | ✓ | — | — |
| Food Grade | — | — | — | — | — | — | - | ✓ | — |
| Private Label Availability | — | — | — | — | ✓ | ✓ | ✓ | — | ✓ |
| Stainless Steel Component | — | — | — | — | ST-2300 Weep | — | — | — | — |
| Available in Additional Colors | — | — | — | — | ✓ | — | — | — | — |

| | ST-2605F | ST-2620 | ST-2620F | ST-2635 | ST-2700 | ST-2715 | ST-2720 | ST-2720F | ST-2750 |
|---|---|---|---|---|---|---|---|---|---|
| Page Number | 17 | 17 | 18 | 18 | 19 | 19 | 20 | 20 | 20 |
| Pressure Rating | 5000 PSI | 1800 PSI | 4000 PSI | 6000 PSI | 5000 PSI | 5000 PSI | 1800 PSI | 4000 PSI | 7300 PSI |
| Gallons Per Minute | 12 GPM | 21 GPM | 18 GPM | 9 GPM | 12 GPM | 12 GPM | 21 GPM | 18 GPM | 8 GPM |
| Temperature Rating | 300° F | 300° F | 300° F | 302° F | 300° F | 300° F | 300° F | 300° F | 300° F |
| Inlet Size | 3/8" FPT | 3/8" FPT | 3/8" FPT | 3/8" FPT | 3/8" FPT | 3/8" FPT | 3/8" FPT | 3/8" FPT | 3/8" FPT |
| Outlet Size | 1/4" FPT | 1/4" FPT | 1/4" FPT | 1/4" FPT | 1/4" FPT | 1/4" FPT | 1/4" FPT | 1/4" FPT | 1/4" FPT |
| Valve Housing | Brass | Brass | Brass | Stainless Steel | Stainless Steel | Stainless Steel | Stainless Steel | Stainless Steel | Stainless Steel |
| Stainless Steel Component | — | — | — | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Chemical Resistant | — | — | — | — | — | ✓ | ✓ | ✓ | — |
| Easy-Pull Trigger | — | — | — | — | — | — | — | — | — |
| Relax Action Trigger | — | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Food Grade | — | — | — | — | — | ✓ | — | ✓ | — |
| Private Label Availability | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Stainless Steel Component | — | — | — | — | — | — | — | — | — |
| Available in Additional Colors | — | — | — | — | ✓ | — | — | — | — |

| | ST-3225 | ST-3240 | ST-3300 | ST-3500 | ST-3600 | ST-4000 | ST-510 | ST-860D | SA-3240 |
|---|---|---|---|---|---|---|---|---|---|
| Page Number | 22 | 23 | 21 | 21 | 21 | 27 | 24 | 27 | 23 |
| Pressure Rating | 870 PSI | 4500 PSI | 2170 PSI | 5000 PSI | 8700 PSI | 290 PSI | 362 PSI | 290 PSI | 3200 PSI |
| Gallons Per Minute | 31.5 GPM | 32 GPM | 27 GPM | 53 GPM | 21 GPM | 13 GPM | 18 GPM | — | 16 GPM |
| Temperature Rating | 212° F | 212° F | 300° F | 300° F | 300° F | 392° F | 122° F | 392° F | 300° F |
| Inlet Size | 1/2" FPT | 1/2" FPT | 1/2" FPT | 1/2" FPT Swivel | 1/2" & 3/8" FPT | 3/4" FPT | 1/2" FPT | 1/4" FPT | 1/2" FPT |
| Outlet Size | 1/2" FPT | 1/2" FPT | 1/2" FPT | 1/2" FPT | 1/4" & 1/2" FPT | Steam Nozzle | 1/2" FPT | 1/4" FPT | 1/2" FPT |
| Valve Housing | Stainless Steel | Stainless Steel | Stainless Steel | Stainless Steel | Stainless Steel | Aluminum | — | Aluminum | Brass |
| Stainless Steel Component | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Chemical Resistant | ✓ | ✓ | ✓ | — | — | — | ✓ | ✓ | — |
| Easy-Pull Trigger | — | — | — | — | — | — | — | — | — |
| Relax Action Trigger | — | — | — | — | — | — | — | — | — |
| Food Grade | ✓ | — | ✓ | — | — | — | — | — | — |
| Private Label Availability | ✓ | ✓ | — | ✓ | ✓ | — | — | — | — |
| Stainless Steel Component | — | — | — | — | — | — | — | — | — |
| Available in Additional Colors | — | — | — | — | — | — | — | — | — |

## ST-810 SPRAY GUN *(front entry)*

*Ideal for car wash, fleet wash and truck wash operations*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | OUTLET | WEIGHT | BOX QTY |
|---|---|---|---|---|---|---|---|
| 200810510 | 3050 PSI | 320° F | 8 GPM | 3/8" FPT | 1/4" FPT | .82 lb | 50 |

**Repair Kit:** #200810400

- Front inlet design keeps dirty hose just far enough away, keeping the operator clean
- Most economical light to medium duty spray gun ever
- Forged brass housing for maximum strength

## ST-810 P.O.M. SPRAY GUN *(chemical resistant)*

*Perfect chemical application gun with a stainless steel spring, needle, ball and a poly seat for the best chemical resistance*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | OUTLET | WEIGHT | BOX QTY |
|---|---|---|---|---|---|---|---|
| 200810511 | 2000 PSI | 320° F | 8 GPM | 3/8" FPT | 1/4" FPT | .82 lb | 50 |
| 200810525 | 2000 PSI | 320° F | 8 GPM | 1/4" FPT | 1/4" FPT | .82 lb | 50 |

**Repair Kit:** #200810492

- Front inlet design keeps dirty hose just far enough away, keeping the operator clean
- Most economical light to medium duty spray gun ever
- Forged brass housing for maximum strength
- ***Chemical resistant***

## Legend:

EP — ***Easy Pull Trigger:*** German Engineered Technology reduces the trigger pulling force by 60% compared to standard spray guns. It is designed for operators and applications with high-volume of trigger cycling.

LFT — ***Low Friction Trigger:*** this gun's trigger system incorporates a ball between the trigger and piston rod contact area that rolls when triggered resulting in a much easier opening and holding.

PL — ***Private Label Availability:*** Promote your company name or logo with customizing select spray guns' label.

RA — ***Relax Action:*** German Engineered Technology reduces rigger pulling force by 40% and holding force up to 90% compared to standard spray guns. It is designed for operators and applications with longer periods of cleaning time.

## ST-1100 SPRAY GUN *(light weight)*

*Perfect for cold water units in factories, plants or smaller hot water units*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | OUTLET | WEIGHT | BOX QTY |
|---|---|---|---|---|---|---|---|
| 201100510 | 3050 PSI | 300° F | 7 GPM | 3/8" FPT | 1/4" FPT | .94 lb | 50 |

**Repair Kit:** #201100401

- Ergonomically designed spray angle and easy to squeeze, even for small hands
- Stainless steel spring, needle, ball and seat
- Forged brass housing for maximum strength

## ST-1500 SPRAY GUN *(most popular gun)*

*Industry standard, the ST-1500 is well-suited for a variety of industrial pressure washing applications*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | OUTLET | WEIGHT | BOX QTY |
|---|---|---|---|---|---|---|---|
| 201500910 | 5000 PSI | 300° F | 10.4 GPM | 3/8" FPT | 1/4" FPT | 1.24 lb | 50 |

**Repair Kit:** #201500496

- Designed to be "universally" comfortable, even for small hands
- Forged brass housing for maximum strength
- Unitized valve for easy repair
- Stainless steel spring, needle, ball and seat
- Fully rebuild-able, convenient seven screw access to cartridge-type valve assembly makes this gun easy to rebuild and a wise long-term investment
- LFT (Low Friction Trigger) this gun's trigger system incorporates a ball between the trigger and piston rod contact area that rolls when triggered resulting in a much easier opening and holding

## ST-1500C SPRAY GUN *(ceramic ball)*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | OUTLET | WEIGHT | BOX QTY |
|---|---|---|---|---|---|---|---|
| 201500572 | 4000 PSI | 302° F | 12 GPM | 3/8" FPT | 1/4" FPT | 1.24 lb | 50 |

**Repair Kit:** #202000054

- Designed from the "industry standard" ST-1500 Spray Gun
- ***Chemical resistant***
- Stainless steel inlet and outlet
- LFT (Low Friction Trigger) this gun's trigger system incorporates a ball between the trigger and piston rod contact area that rolls when triggered resulting in a much easier opening and holding

**Inner Valves:**
High quality materials for the best chemical resistance

## ST-1500H OPEN SPRAY GUN *(manual start machines)*

*Ideal when unloader is unavailable or for manual start pressure washers*

| ORDER # | TEMP. | INLET | OUTLET | WEIGHT | BOX QTY |
|---|---|---|---|---|---|
| 201500751 | 300° F | 3/8" FPT | 1/4" FPT | .82 lb | 50 |

- Flow through design offers less downtime for repairs
- Heavy duty molded handle

LFT

## ST-1500 STAINLESS STEEL SPRAY GUN

*Industry standard, the ST-1500 is well-suited for a variety of industrial pressure washing applications*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | OUTLET | WEIGHT | BOX QTY |
|---|---|---|---|---|---|---|---|
| 201500911 | 5000 PSI | 300° F | 10.4 GPM | 3/8" FPT | 1/4" FPT | 1.24 lb | 50 |

**Repair Kit:** #201500496

- Industry Standard – well-suited for a variety of industrial pressure washing applications
- Unitized valve for easy repair
- Stainless steel spring, needle, ball and seat
- Stainless steel outlet, inlet connection, including inlet pipe
- Fully rebuild-able
- LFT (Low Friction Trigger) this gun's trigger system incorporates a ball between the trigger and piston rod contact area that rolls when triggered resulting in a much easier opening and holding

LFT

## ST-2000 SPRAY GUN *(extreme duty)*

*Our most popular industrial production gun, the ST-2000 is designed for heavy-duty durability. The strongest made gun in it's class takes the abuse.*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | OUTLET | WEIGHT | BOX QTY |
|---|---|---|---|---|---|---|---|
| 202000920 | 5000 PSI | 300° F | 10.4 GPM | 3/8" FPT | 1/4" FPT | 1.64 lb | 35 |

**Repair Kit:** #201500496

- Stainless steel spring, needle, ball and seat
- Forged brass housing for maximum strength
- Unitized valve for easy repair
- Suttner's "Big Hand" spray gun
- LFT (Low Friction Trigger) this gun's trigger system incorporates a ball between the trigger and piston rod contact area that rolls when triggered resulting in a much easier opening and holding

LFT PI

## ST-2012 SPRAY GUN *(ergonomic design)*

*This unique design also reduces wear to a minimum on the internal components*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | OUTLET | WEIGHT | BOX QTY |
|---|---|---|---|---|---|---|---|
| 202012605 | 5000 PSI | 302° F | 10.5 GPM | 3/8" FPT | 1/4" FPT | 1.25 lb | 45 |

**Repair Kit:** #201500496

- Comfortable grip and reduces fatigue for longer working hours
- This unique design reduces wear to a minimum on the internal components
- Great choice for hot and cold pressure washer use
- Same inlet & outlet angles as our ST-1500 & ST-2000 spray guns
- LFT (Low Friction Trigger) this gun's trigger system incorporates a ball between the trigger and piston rod contact area that rolls when triggered resulting in a much easier opening and holding
- 30% less vibration transfer than standard trigger guns when being used with turbo nozzles, telescopic lanes, sand blasters, etc
- Requires about 13% less squeeze force than a standard trigger gun to open and hold the trigger. In addition, it has less back force while spraying due to the optimum hand position

## ST-2305 SPRAY GUNS

*Comfort technology designed "Easy-Pull Trigger" and comfortable grip provide ease when working long hours. If you have extreme abuse applications, the ST-2305 is up for the challenge with it's handle constructed of impact resistant plastic.*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | OUTLET | WEIGHT | BOX QTY |
|---|---|---|---|---|---|---|---|
| 202305600 | 5000 PSI | 300° F | 12 GPM | 3/8" FPT | 1/4" FPT | 1.22 lb | 50 |
| 202305605 | 5000 PSI | 300° F | 12 GPM | 3/8" FPT | 1/4" FPT | 1.22 lb | 50 |
| 202305616 | 5000 PSI | 300° F | 12 GPM | 3/8" FPT Swivel | 1/4" FPT | 1.22 lb | 50 |

**Repair Kit:** #202300490

- Easy-Pull is designed for operators and applications with high-volume of trigger cycling
- Easy-Pull, German Engineered Technology reduces trigger pulling force by 60% compared to standard spray guns
- Proper spray angle for optimal positioning of pressure points
- Easiest opening and holding trigger, requires nearly half the effort of the other rear-entry guns
- Forged brass housing for maximum strength
- Private Label Availability

### ALSO AVAILABLE:

#202305660 #202305661 #202305662 #202305663

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## ST-2305 KEW COUPLER SPRAY GUN

*(w/ swivel & coupling)*

*Ideal for quick connecting different lances and accessories. Comfort technology designed "Easy Pull Trigger" and comfort grip provide ease when working long hours.*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | OUTLET | WEIGHT | BOX QTY |
|---|---|---|---|---|---|---|---|
| 202305650 | 5000 PSI | 300° F | 12 GPM | 3/8" FPT | KEW Q.C. Socket | 1.22 lb | 35 |

**Repair Kit:** #202300490

- Swivel inlet for hose positioning
- Proper spray angle for optimal positioning of pressure points
- Forged brass housing for maximum strength
- Easy-Pull is designed for operators and applications with high-volume of trigger cycling
- Easy-Pull, German Engineered Technology reduces trigger pulling force by 60% compared to standard spray guns
- Private Label Availability

### ALSO AVAILABLE:

*#040001258*
*Male KEW style plug*

*#040001255*
*Female KEW style plug*

## ST-2315 SPRAY GUN *(ceramic ball valve)*

*Ceramic ball in valve is highly resistant against nearly all soaps and acids. Comfort technology designed "Easy Pull Trigger" and comfort grip provide ease when working long hours.*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | OUTLET | WEIGHT | BOX QTY |
|---|---|---|---|---|---|---|---|
| 202315510 | 5000 PSI | 300° F | 12 GPM | 3/8" FPT | 1/4" FPT | 1.30 lb | 50 |

**Repair Kit:** #202315490

- Easiest opening and holding trigger, requires nearly half the effort of the other rear-entry spray guns
- Proper spray angle for optimal positioning of pressure points
- Forged brass housing for maximum strength
- ***Chemical resistant***
- Easy-Pull is designed for operators and applications with high-volume of trigger cycling
- Easy-Pull, German Engineered Technology reduces trigger pulling force by 60% compared to standard spray guns
- Private Label Availability

NEW!

## ST-2320 SPRAY GUN *(stainless steel swivel)*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | OUTLET | WEIGHT | BOX QTY |
|---|---|---|---|---|---|---|---|
| 202320565 | 1800 PSI | 300° F | 21 GPM | 1/2" FPT Swivel | 1/2" FPT | 1.70 lb | 35 |

- Comfortable ergonomic hand grip design and reduces fatigue
- Easy-Pull is designed for operators and applications with high-volume of trigger cycling
- Easy-Pull, German Engineered Technology reduces trigger pulling force by 60% compared to standard spray guns
- Ideal for use with soft wash systems
- Can be used in the food and automotive industries
- Easily attaches to 1/2" FPT threaded lances or nozzles
- Stainless steel
- ***Chemical resistant***

## ST-2605 SPRAY GUN *(over center cam)*

*A commercial cleaner's dream, comfort technology designed trigger system actually helps the operator keep the trigger open. Fatigue is reduced, allowing longer work periods. If you have extreme abuse applications, the ST-2605 is up for the challenge with it's handle constructed of impact plastic.*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | OUTLET | WEIGHT | BOX QTY |
|---|---|---|---|---|---|---|---|
| 202605600 | 5000 PSI | 300° F | 12 GPM | 3/8" FPT | 1/4" FPT | 1.28 lb | 50 |

**Repair Kit:** #202300490

- Relax-Action™, German Engineered Technology reduces trigger pulling force by 40% and holding force up to 90% compared to standard spray guns
- Easiest opening and holding trigger in its class
- Relax-Action™ is designed for operators and applications with longer periods of cleaning time
- Forged brass housing for maximum strength
- Proper spray angle for optimal positioning of pressure points
- Private Label Availability

## ST-2605F SPRAY GUN

*Ideal for foam application*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | OUTLET | WEIGHT | BOX QTY |
|---|---|---|---|---|---|---|---|
| 202605601 | 5000 PSI | 300° F | 12 GPM | 3/8" FPT | 1/4" FPT | 1.28 lb | 50 |

**Repair Kit:** #202300490

- Easiest opening and holding trigger in its class
- Proper spray angle for optimal positioning of pressure points
- Orange trigger lock identifies foam spray gun
- Private Label Availability
- Relax-Action™, German Engineered Technology reduces trigger pulling force by 40% and holding force up to 90% compared to standard spray guns
- Relax-Action™ is designed for operators and applications with longer periods of cleaning time

## ST-2620 SPRAY GUN *(high volume)*

*For high volume, low pressure machines. The comfort technology designed "relax-action trigger" assists when working long hours by reducing hand fatigue. If you have extreme abuse applications, the ST-2620 is up for the challenge with it's handle constructed of impact resistant plastic.*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | OUTLET | WEIGHT | BOX QTY |
|---|---|---|---|---|---|---|---|
| 202620510 | 1800 PSI | 300° F | 21 GPM | 3/8" FPT | 1/4" FPT | 1.30 lb | 50 |

**Repair Kit:** #202710490

- Relax-Action™ is designed for operators and applications with longer periods of cleaning time
- Forged brass housing for maximum strength
- Proper spray angle for optimal positioning of pressure points
- Relax-Action™, German Engineered Technology reduces trigger pulling force by 40% and holding force up to 90% compared to standard spray guns
- Easiest opening and holding trigger in its class
- Private Label Availability

## ST-2620F SPRAY GUN *(high volume)*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | OUTLET | WEIGHT | BOX QTY |
|---|---|---|---|---|---|---|---|
| 202620511 | 4000 PSI | 300° F | 18 GPM | 3/8" FPT | 1/4" FPT | 1.30 lb | 50 |

**Repair Kit:** #202710490

- Relax-Action™, German Engineered Technology reduces trigger pulling force by 40% and holding force up to 90%
- Relax-Action™ is designed for operators and applications with longer periods of cleaning time
- Proper spray angle for optimal positioning of pressure points
- Orange trigger lock identifies foam spray gun
- Private Label Availability

## ST-2620F SPRAY GUN w/ FOAM LANCE *(stainless steel)*

*Ideal for foam application*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | WEIGHT |
|---|---|---|---|---|---|
| 202620915 | 4000 PSI | 300° F | 18 GPM | 1/2" FPT | 2.5 lb |

**Repair Kit:** #202710490

- Relax-Action™ trigger, German Engineered Technology reduces trigger pulling force up to 40% and holding force up to 90%
- Relax-Action™ is designed for operators and applications with longer periods of cleaning time
- Forged brass housing for maximum strength
- Orange trigger lock identifies foam spray gun
- For injectors using compressed air
- 50° x 200 mm orifice

## ST-2635 INDUSTRIAL SPRAY GUN *(high PSI)*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | OUTLET | WEIGHT | BOX QTY |
|---|---|---|---|---|---|---|---|
| 202635600 | **6000 PSI** | 302° F | 9 GPM | 3/8" FPT | 1/4" FPT | 1.30 lb | 50 |

**Repair Kit:** #202300492

- Relax-Action™, German Engineered Technology reduces trigger pulling force by 40% and holding force up to 90% compared to standard spray guns
- Easiest opening and holding trigger in its class
- Relax-Action™ is designed for operators and applications with longer periods of cleaning time
- Wear resistant carbide ball
- Forged brass housing for maximum strength
- Proper spray angle for optimal positioning of pressure points
- Private Label Availability

## ST-2700 SPRAY GUN

*Stainless steel components create a durable long lasting trigger gun, especially suitable when using alkaline. Comfort technology designed trigger system actually helps the operator keep the trigger open. Fatigue is reduced, allowing longer work periods.*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | OUTLET | WEIGHT | BOX QTY |
|---|---|---|---|---|---|---|---|
| 202700600 | 5000 PSI | 300° F | 12 GPM | 3/8" FPT | 1/4" FPT | 1.24 lb | 50 |

**Repair Kit:** #202700490

- Relax-Action™, is designed for operators and applications with longer periods of cleaning time
- Stainless steel components
- 304 Stainless steel housing
- Relax-Action™, German Engineered Technology reduces trigger pulling force by 40% and holding force up to 90% compared to standard spray guns
- Easiest opening and holding trigger in its class
- Private Label Availability

### ALSO AVAILABLE: FOOD GRADE

#202700621

#202700622

#202700623

#202700624

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## ST-2715 SPRAY GUN *(ceramic ball valve)*

*A professional gun with Relax-Action™ trigger design. Stainless steel, ceramic ball, chemically resistant valve and acid resistant stainless steel seat. Perfect for industrial cleaning applications.*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | OUTLET | WEIGHT | BOX QTY |
|---|---|---|---|---|---|---|---|
| 202715600 | 5000 PSI | 300° F | 12 GPM | 3/8" FPT | 1/4" FPT | 1.25 lb | 50 |

**Repair Kit:** #202715490

- Relax-Action™ is designed for operators and applications with longer periods of cleaning time
- Relax-Action™, German Engineered Technology reduces trigger pulling force by 40% and holding force up to 90% compared to standard spray guns
- Stainless steel housing
- Stainless steel valve components
- ***Chemical resistant***
- Private Label Availability

## ST-2720 SPRAY GUN *(high volume)*

*Stainless steel valve components create a durable long lasting trigger gun, especially suitable when using corrosive chemicals. The comfort technology designed trigger system actually helps the operator keep the trigger open. Fatigue is reduced, allowing longer work periods.*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | OUTLET | WEIGHT | BOX QTY |
|---|---|---|---|---|---|---|---|
| 202720510 | 1800 PSI | 300° F | 21 GPM | 3/8" FPT | 1/4" FPT | 1.25 lb | 50 |

**Repair Kit:** #202710490

- Relax-Action™ is designed for operators and applications with longer periods of cleaning time
- Proper spray angle for optimal positioning of pressure points
- The Relax-Action™, German Engineered Technology reduces trigger pulling force by 40% and holding force up to 90% compared to standard spray guns
- Easiest opening and holding trigger in its class
- Stainless steel housing and valve components
- ***Chemical resistant***
- Private Label Availability

## ST-2720F SPRAY GUN

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | OUTLET | WEIGHT | BOX QTY |
|---|---|---|---|---|---|---|---|
| 202720511 | 4000 PSI | 300° F | 18 GPM | 3/8" FPT | 1/4" FPT | 1.30 lb | 50 |

**Repair Kit:** #202710490

- Relax-Action™ is designed for operators and applications with longer periods of cleaning time
- Professional model with patented technology
- Orange trigger lock identifies foam spray gun
- Stainless steel housing and valve components
- ***Chemical resistant***
- Private Label Availability
- ***Optimum foam created 130°F or less***

## ST-2750 SPRAY GUN *(tungsten carbide ball valve)*

*New patented valve kit and tungsten carbide ball with special valve seat. Economical 7300 PSI spray gun with relax action trigger.*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | OUTLET | WEIGHT | BOX QTY |
|---|---|---|---|---|---|---|---|
| 202750510 | 7300 PSI | 300° F | 8 GPM | 3/8" FPT | 1/4" FPT | 1.32 lb | 50 |

**Repair Kit:** #202750495

- Relax-Action™ is designed for operators and applications with longer periods of cleaning time
- The Relax-Action™, German Engineered Technology reduces trigger pulling force by 40% and holding force up to 90% compared to standard spray guns
- Stainless steel housing and valve components
- Private Label Availability

## ST-3300 SPRAY GUN *(high volume)*

*Our highest volume rated industrial gun, the ST-3300 is designed for maximum performance and best chemical resistance. An economical solution for high volume industrial applications.*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | OUTLET | WEIGHT | BOX QTY |
|---|---|---|---|---|---|---|---|
| 203300600 | 2170 PSI | 300° F | 27 GPM | 1/2" FPT | 1/2" FPT | 2.58 lb | 10 |

**Repair Kit:** #203300490

- Forged stainless steel housing, piston and malleable seat
- Special heat and chemical resistant seals
- ***Chemical resistant***

## ST-3500 SPRAY GUN *(high flow)*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | OUTLET | WEIGHT | BOX QTY |
|---|---|---|---|---|---|---|---|
| 203500550 | 5000 PSI | 300° F | 53 GPM | 1/2" Swivel FPT | 1/2" FPT | 2.58 lb | 10 |

**Repair Kit:** #203500490

- Stainless steel components
- Harden stainless steel valve piston
- Private Label Availability

## ST-3600 SPRAY GUN *(high pressure, high volume)*

*Our highest pressure rated industrial spray gun*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | OUTLET | WEIGHT | BOX QTY |
|---|---|---|---|---|---|---|---|
| 203600600 | 8700 PSI | 300° F | 21 GPM | 1/2" FPT | 1/2" FPT | 2.58 lb | 10 |
| 203600610 | 8700 PSI | 300° F | 21 GPM | 3/8" FPT | 1/4" FPT | 2.58 lb | 10 |

**Repair Kit:** #203600490
**Without Valve Cone:** #203600491

- Forged stainless steel housing, piston and malleable seat
- Special heat and chemical resistant seals
- Private Label Availability

## ST-601 SPRAY GUN *(inline applications)*

*Ideal for cleaning vertical and overhead surfaces. Perfect for washing tractors, trailers, siding, windows, eaves, etc. Heavy duty, impact resistant trigger guard has made the ST-601 an industry standard for manufacturers of telescoping wands.*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | OUTLET | WEIGHT | BOX QTY |
|---|---|---|---|---|---|---|---|
| 200601610 | 4000 PSI | 300° F | 12 GPM | 3/8" FPT | 1/4" FPT | 1.20 lb | 50 |

**Repair Kit:** #202000044

- Horizontal flow-through design
- Forged brass housing for maximum strength
- Unitized valve for easy repair
- Stainless steel spring, needle, ball and seat

***ALSO AVAILABLE:***

***Mounting Bracket, see page 29***

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## ST-601C SPRAY GUN *(ceramic ball)*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | OUTLET | WEIGHT | BOX QTY |
|---|---|---|---|---|---|---|---|
| 200601611 | 4000 PSI | 300° F | 12 GPM | 3/8" FPT | 1/4" FPT | 1.16 lb | 50 |

**Repair Kit:** #202000054

- Horizontal flow-through design
- Forged brass housing for maximum strength
- Unitized valve allows for higher temps and longer life
- ***Chemical resistant***

***ALSO AVAILABLE:***

***Mounting Bracket, see page 29***

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## ST-3225 INLINE SPRAY GUN

*The ergonomic design of the ST-3225 helps reduce fatigue. Chemical resistant also makes this gun ideal for the food industry.*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | OUTLET | WEIGHT | BOX QTY |
|---|---|---|---|---|---|---|---|
| 203225545 | 870 PSI | 212° F | 31.5 GPM | 1/2" FPT | 1/2" FPT | 1.64 lb | 10 |

- LTF "Low Trigger Force" reduces pulling force by 40% and holding force by 90%
- Close trigger design
- Lightweight
- ***Chemical Resistant***
- Stainless steel
- Private Label Availability
- ***Optimum foam created 130°F or less***

## ST-3240 HYDRO • EX INLINE SPRAY GUN

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | OUTLET | WEIGHT | BOX QTY |
|---|---|---|---|---|---|---|---|
| 203240510 | 4500 PSI | 212° F | 32 GPM | 1/2" FPT | 1/2" FPT | 1.75 lb | 2 |

**Seal Repair Kit:** #203240480
**Repair Kit:** #203240490

- Stainless steel industrial grade
- Comfortable ergonomic hand grip design and reduces fatigue
- LTF "Low Trigger Force" reduces pulling force by 40% and holding force by 90%
- ***Chemical Resistant***
- Private Label Availability

PL LFT

## SA-3240 INLINE HYDRO EXCAVATION SPRAY GUN

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | OUTLET | WEIGHT |
|---|---|---|---|---|---|---|
| 403240510 | 3200 PSI | 300° F | 16 GPM | 1/2" FPT | 1/2" FPT | 1.85 lb |

- Impact resistant trigger guard
- Horizontal flow-through design
- Safer than a ball valve

# Soft Wash Spray Gun

## ST-510 SOFT WASH SPRAY GUN *(low psi)*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | OUTLET | WEIGHT | BOX QTY |
|---|---|---|---|---|---|---|---|
| 200510500 | 362 PSI | 122° F | 18 GPM | 1/2" FPT | 1/2" FPT | .3 lb | 120 |

- Designed for low pressure and high flow applications
- ***Chemical resistant***
- Ideal for use with soft wash systems
- Viton (synthetic rubber) seal
- Rear fluid entry
- Stainless steel ball and pin
- Reinforced fibre glass plastic body and seat

### *ALSO AVAILABLE:*

### *ST-510 with Lance*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | OUTLET | WEIGHT |
|---|---|---|---|---|---|---|
| 200510550 | 362 PSI | 122° F | 8 GPM | 1/2" FPT | 1/2" FPT | .75 lb |

- ***Chemical resistant***
- 24 inches long

**Additional Accessories *Sold Separately***

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## ST-1200B WASH DOWN GUN *(brass)*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | WEIGHT | BOX QTY |
|---|---|---|---|---|---|---|
| 201200500 | 350 PSI | 122° F | 27 GPM | 1/2" FPT | 1.86 lb | 20 |

- Durable spray gun with rubber sheathing protects against cold, heat and impact
- Adjusting screw retains desired spray pattern
- Fixing clamp holds back trigger allowing comfort and steady parts

---

## ST-1200S WASH DOWN GUN *(stainless steel)*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | WEIGHT | COLOR | BOX QTY |
|---|---|---|---|---|---|---|---|
| 201200520 | 350 PSI | 190° F | 27 GPM | 1/2" FPT | 1.86 lb | Blue | 10 |
| 201200521 | 350 PSI | 190° F | 27 GPM | 1/2" FPT | 1.86 lb | Green | 10 |
| 201200522 | 350 PSI | 190° F | 27 GPM | 1/2" FPT | 1.86 lb | Yellow | 10 |
| 201200523 | 350 PSI | 190° F | 27 GPM | 1/2" FPT | 1.86 lb | Red | 10 |

- Comes with trigger guard
- Stainless steel housing
- Fixing clamp holds back trigger allowing comfort and steady spray
- Durable spray gun with rubber sheathing protects against cold, heat and impact
- High volume
- Adjusting screw retains desired spray pattern

## ST-601 WEEP SPRAY GUN *(inline applications, car wash)*

*Ideal for car washes because of constant weep action to prevent freeze ups. The inline style makes it easier for cleaning vertical and overhead surfaces.*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | OUTLET | WEIGHT | BOX QTY |
|---|---|---|---|---|---|---|---|
| 200601615 | 4000 PSI | 300° F | 12 GPM | 3/8" FPT | 1/4" FPT | 1.16 lb | 50 |

**Repair Kit:** #202000046

- Horizontal flow-through design
- Forged brass housing for maximum strength
- Unitized valve for easy repair
- Stainless steel spring, needle, ball and seat

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## ST-810 WEEP SPRAY GUN *(front entry)*

*Ideal for car washes, fleet wash and truck wash operations because of constant weep action to prevent freeze ups*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | OUTLET | WEIGHT | BOX QTY |
|---|---|---|---|---|---|---|---|
| 200810515 | 3050 PSI | 320° F | 8 GPM | 3/8" FPT | 1/4" FPT | .82 lb | 50 |

**Repair Kit:** #200810401

- Front inlet design keeps dirty hose just far enough away, keeping the operator clean
- Most economical light to medium duty spray gun ever
- Forged brass housing for maximum strength

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## ST-1100 WEEP SPRAY GUN *(light weight, car wash)*

*Ideal for car washes, fleet wash and truck wash operations, because of constant weep action to prevent freeze ups*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | OUTLET | WEIGHT | BOX QTY |
|---|---|---|---|---|---|---|---|
| 201100525 | 3050 PSI | 300° F | 7 GPM | 3/8" FPT | 1/4" FPT | .94 lb | 50 |

**Repair Kit:** #201100401W

- Ergonomically designed spray angle and easy to squeeze, even for small hands
- Stainless steel spring, needle, ball and seat
- Forged brass housing for maximum strength

LFT

## ST-1500 WEEP SPRAY GUN

*Ideal for car washes, fleet wash and truck wash operations because of constant weep action to prevent freeze ups. The most popular gun for self-service car wash applications.*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | OUTLET | WEIGHT | BOX QTY |
|---|---|---|---|---|---|---|---|
| 201500515 | 4000 PSI | 300° F | 12 GPM | 3/8" FPT | 1/4" FPT | 1.24 lb | 50 |

**Repair Kit:** #202000046

- Ideal for car washes, fleet and truck wash operation
- LFT (Low Friction Trigger) this gun's trigger system incorporates a ball between the trigger and piston rod contact area that rolls when triggered resulting in a much easier opening and holding

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EP PL

## ST-2300 WEEP SPRAY GUN *(car wash)*

*Ideal for car washes because of constant weep action to prevent freeze ups. Comfort technology designed "Easy-Pull Trigger" and comfortable grip provide ease when working long hours.*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | OUTLET | WEIGHT | BOX QTY |
|---|---|---|---|---|---|---|---|
| 202300615 | 4500 PSI | 300° F | 12 GPM | 3/8" FPT | 1/4" FPT | 1.24 lb | 50 |

**Repair Kit:** #202300491

- Easiest opening and holding trigger, requires nearly half the effort of the other rear-entry spray guns
- Proper spray angle for optimal positioning of pressure points
- Unitized valve for easy repair
- Forged brass housing for maximum strength
- Easy-Pull is designed for operators and applications with high-volume of trigger cycling
- Easy-Pull, German Engineered Technology reduces trigger pulling force by 60% compared to standard spray guns
- Private label availability

## ST-4000 STEAM GUN *(true steam)*

*Steam is ideal for removing grease and oil, sterilizing surfaces, melting ice, plus using where little water is available like oil fields. Hose connection is positioned in the front of the gun for better handling and keeping the heat away from the operators hand and body.*

| ORDER # | PRESSURE | TEMP. | LENGTH | FLOW RATE | INLET | OUTLET | WEIGHT | BOX QTY |
|---|---|---|---|---|---|---|---|---|
| 204000600 | 290 PSI | 392° F | 30 in | 13 GPM | 3/4" FPT | Steam Nozzle | 2.25 lb | 35 |

- Designed like regular spray gun with pressure control trigger and with operator safety in mind
- Stainless steel steam nozzle included. 3/8"M 65° orifice size is #25.0
- Lightweight

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## ST-860D STEAM GUN *(wet steam)*

*Made from aluminum and stainless steel, the ST-860D is highly resistant to high temps and chemicals. Hose connection is positioned in the front of the gun for better handling and keeping the heat away from the operators hand and body. Economical version of the ST-4000.*

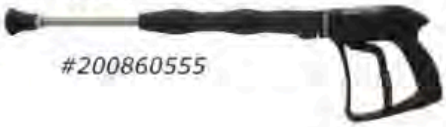
| ORDER # | PRESSURE | TEMP. | INLET | OUTLET | WEIGHT | BOX QTY |
|---|---|---|---|---|---|---|
| 200860550 | 290 PSI | 392° F | 1/4" FPT | 1/4" FPT | 1.25 lb | 25 |

- Designed with operator safety in mind
- Lightweight
- Wet steam application
- ***Chemical resistant***

www.youtube.com/watch?v=-y-z7lkKJh8

## ***ALSO AVAILABLE:***

### ***ST-860D with Lance***



*#200860555*

## COMPLETE SPRAY GUN/LANCE ASSEMBLY

*Just attach assembly to your pressure washer hose and you are ready to go. Complete assembly includes gun, lance, quick connect socket and plug and 5 spray nozzles.*

| ORDER # | DESCRIPTION | BOX QTY |
|---|---|---|
| Q99950xx1 | Gun/Lance Assembly | 14 |

**XX = Specify Nozzle Size:**
3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0

- The ST-1500 is Suttner's most popular spray gun, rated at 5000 PSI
- 36" molded grip nickle chrome plated lance with adjustable handle
- 3/8" M Q.C. plug & 1/4" FPT socket allows quick attachment of nozzle and accessories
- 5 quick nozzles (0°,15°, 25°, 40° & soap) in attached nozzle holder

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## COMPLETE SPRAY GUN/LANCE ASSEMBLY

*Just attach assembly to your pressure washer hose and you are ready to go. Complete assembly includes gun, lance, side handle, quick connect socket and plug and 5 spray nozzles.*

| ORDER # | DESCRIPTION | BOX QTY |
|---|---|---|
| 9991500xx | Gun/Lance Assembly | 14 |

**XX = Specify Nozzle Size:**
3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0

- The ST-1500 is Suttner's most popular spray gun
- 36" nickle plated lance to resist corrosion
- 1/4" FPT socket allows quick attachment of nozzle and accessories
- Adjustable side handle for comfort and control
- 5 quick connect nozzles
- Nozzle holder fits 1/4 lance

## KEW COUPLING

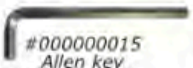
| ORDER # | MAX. PRESSURE | MAX. TEMP. |
|---|---|---|
| 202300350 | 5000 PSI | 300° F |

- Easily convert any SUTTNER 1/4" trigger gun to the KEW Female Quick Release coupling
- Requires a 14mm Allen wrench
- Ideal for quick connecting/releasing lances and accessories
- Made from durable brass with a thick plastic outer shell

*Shown here on spray gun. Products sold separately.*

***ALSO AVAILABLE:***

****Sold Separately***



*#000000015 Allen key KEW adapter 14mm wrench*

*#040001258 Male KEW style plug*

*#040001255 Female KEW style plug*

## SHOULDER SUPPORT

| ORDER # | DESCRIPTION |
|---|---|
| 202705590 | Fits models: ST-2300, ST-2600 & ST-2700 spray guns |

- Helps reduce fatigue when used in high pressure applications

*Shoulder support shown here on spray gun. Products sold separately.*

## TELESCOPING LANCE BRACKET KIT

*(pre-drilled mounting holes)*

| ORDER # | DESCRIPTION | MATERIAL |
|---|---|---|
| 030000720 | ST-601 Mounting Plate | Aluminum |
| 020000150 | ST-601 Mounting Bracket | Durable Plastic |
| 999000005 | Complete Kit (2 plates and bracket) | — |

*#030000720*

*#020000150*

*#999000005 Complete Kit*

*ST-601 shown with mounting bracket & telescoping lance*

# LANCES


Bare.....31
Molded Grip.....32
Vented.....34
Hydro Excavation.....34
Dual.....35
Twin Turbo.....38
Specialty.....40
Lance Accessories.....43

****SHIPPING LANCES****
Lances 48 inches and longer will be assessed
with an additional handling charge by UPS

## ST-001 LANCES *(stainless steel)*

| ORDER # | PRESSURE | TEMP. | LENGTH | INLET | OUTLET | WEIGHT | BOX QTY |
|---|---|---|---|---|---|---|---|
| 070002008 | 6000 PSI | 300° F | 8 in. | 1/4" MPT | 1/4" MPT | .18 lb | 60 |
| 070003048 | 6000 PSI | 300° F | 12 in. | 1/4" MPT | 1/4" MPT | .27 lb | 50 |
| 070004572 | 6000 PSI | 300° F | 18 in. | 1/4" MPT | 1/4" MPT | .40 lb | 50 |
| 070005001 | 6000 PSI | 300° F | 20 in. | 1/8" MPT | 1/8" MPT | .50 lb | 50 |
| 070006008 | 6000 PSI | 300° F | 24 in. | 1/4" MPT | 1/4" MPT | .54 lb | 50 |
| 070009004 | 7300 PSI | 300° F | 36 in. | 1/4" MPT | 1/4" MPT | .80 lb | 50 |
| 070009008 | 6000 PSI | 300° F | 36 in. | 1/4" MPT | 1/4" MPT | .80 lb | 40 |
| 070012008 | 6000 PSI | 300° F | 47 in. | 1/4" MPT | 1/4" MPT | 1.04 lb | 50 |

- Threads are rolled on providing consistent sealing and four times the strength than cut threads
- ***Chemical resistant***

## ST-003 LANCES *(nickel chrome plated steel)*

*Suitable when using corrosive chemicals. Our most popular lances for cold or hot water applications.*

| ORDER # | PRESSURE | TEMP. | LENGTH | INLET | OUTLET | WEIGHT | BOX QTY |
|---|---|---|---|---|---|---|---|
| 070000025 | 6000 PSI | 300° F | 12 in | 1/4" MPT | 1/4" MPT | .34 lb | 100 |
| 070000026 | 6000 PSI | 300° F | 18 in | 1/4" MPT | 1/4" MPT | .46 lb | 100 |
| 070000040 | 6000 PSI | 300° F | 24 in | 1/4" MPT | 1/4" MPT | .64 lb | 50 |
| 070000055 | 6000 PSI | 300° F | 36 in | 1/4" MPT | 1/4" MPT | .96 lb | 50 |
| 070000070 | 6000 PSI | 300° F | 47 in | 1/4" MPT | 1/4" MPT | 1.28 lb | 40 |
| 070000080 | 6000 PSI | 300° F | 60 in | 1/4" MPT | 1/4" MPT | 1.58 lb | 40 |
| 070000090 | 6000 PSI | 300° F | 79 in | 1/4" MPT | 1/4" MPT | 2.17 lb | 40 |

- Nickel chrome plated steel to prevent rusting
- Threads are rolled on providing consistent sealing and four times the strength than cut threads

## ST-001 LANCE *(stainless steel)* w/ ST-2 LANCE INSULATOR

*Insulator adjusts anywhere on lance for desired ergonomic position and can be removed*

| ORDER # | PRESSURE | TEMP. | LENGTH | INLET | OUTLET | WEIGHT | BOX QTY |
|---|---|---|---|---|---|---|---|
| 999072510 | 6000 PSI | 300° F | 36 in. | 1/4" MPT | 1/4" MPT | 1.10 lb | 25 |

- Threads are rolled on providing consistent sealing and four times the strength than cut threads
- ***Chemical resistant***

*#070012002 7300 PSI*

## ST-002 MOLDED GRIP LANCES *(stainless steel)*

| ORDER # | PRESSURE | TEMP. | LENGTH | INLET | OUTLET | WEIGHT | BOX QTY |
|---|---|---|---|---|---|---|---|
| 070009009 | 6000 PSI | 300° F | 36 in. | 1/4" MPT | 1/4" MPT | 1.10 lb | 20 |
| 070012002 | 7300 PSI | 300° F | 47 in. | 1/4" MPT | 1/4" MPT | 1.88 lb | 20 |
| 070012009 | 6000 PSI | 300° F | 47 in. | 1/4" MPT | 1/4" MPT | 1.58 lb | 20 |

- Comfort technology designed molded grip conforms to the curvature of the hand, allowing to comfortably change positions
- Linear aeration provides continuous air flow between hand and exclusive Suttner "star shaped" grip
- Grip is directly molded on the lance providing protection and strength
- Favorite molded grip lance design in the industry
- Threads are rolled on providing consistent sealing and four times the strength than cut threads
- ***Chemical resistant***

*#079600470 (comes with side handle)*

*#070000260 1/8" female outlet ideal for car washes*

## ST-007 MOLDED GRIP LANCES

*(nickel chrome plated steel)*

*Our most popular lances for cold or hot water applications*

| ORDER # | PRESSURE | TEMP. | LENGTH | INLET | OUTLET | WEIGHT | BOX QTY |
|---|---|---|---|---|---|---|---|
| 070000330 | 6000 PSI | 300° F | 12 in | 1/4" MPT | 1/4" MPT | .65 lb | 40 |
| 070000240 | 6000 PSI | 300° F | 18 in | 1/4" MPT | 1/4" MPT | .90 lb | 40 |
| 070000260 | 6000 PSI | 300° F | 18 in | 1/4" MPT | 1/8" FPT | .88 lb | 40 |
| 070000180 | 6000 PSI | 300° F | 24 in | 1/4" MPT | 1/4" MPT | .95 lb | 30 |
| 070000470 | 6000 PSI | 300° F | 36 in | 1/4" MPT | 1/4" MPT | 1.28 lb | 30 |
| 070000210 | 6000 PSI | 300° F | 47 in | 1/4" MPT | 1/4" MPT | 1.84 lb | 20 |
| 070000220 | 6000 PSI | 300° F | 60 in | 1/4" MPT | 1/4" MPT | 2.14 lb | 20 |
| 070000230 | 6000 PSI | 300° F | 79 in | 1/4" MPT | 1/4" MPT | 2.70 lb | 20 |
| 079600470 | 6000 PSI | 300° F | 36 in | 1/4" MPT | 1/4" MPT | 1.60 lb | — |

- Comfort technology designed molded grip conforms to the curvature of the hand, allowing to comfortably change positions
- Linear aeration provides continuous air flow between hand and exclusive Suttner "star shaped" grip
- Grip is directly molded on the lance providing protection and strength
- Threads are rolled on providing consistent sealing and four times the strength than cut threads

## ST-29 MOLDED GRIP LANCES *(stainless steel)*

| ORDER # | PRESSURE | TEMP. | LENGTH | INLET | OUTLET | WEIGHT | COLOR |
|---|---|---|---|---|---|---|---|
| 200029315 | 6000 PSI | 300° F | 36 in. | 1/4" MPT | 1/4" MPT | 1.10 lb. | Blue |
| 200029316 | 6000 PSI | 300° F | 36 in. | 1/4" MPT | 1/4" MPT | 1.10 lb. | Yellow |
| 200029317 | 6000 PSI | 300° F | 36 in. | 1/4" MPT | 1/4" MPT | 1.10 lb. | Green |
| 200029318 | 6000 PSI | 300° F | 36 in. | 1/4" MPT | 1/4" MPT | 1.10 lb. | Red |

- Comfortable grip
- Ergonomic shape
- Heat-proof insulation
- ***Chemical resistant***

## ST-129 MOLDED GRIP LANCES *(stainless steel)*

| ORDER # | PRESSURE | TEMP. | LENGTH | INLET | OUTLET | WEIGHT |
|---|---|---|---|---|---|---|
| 200129140 | 5800 PSI | 302° F | 20 in. | 1/4" MPT | 1/4" FPT | .9 lb |
| 200129145 | 5800 PSI | 302° F | 28 in. | 1/4" MPT | 1/4" FPT | 1.25 lb |

FOOD GRADE

- Threads are rolled on providing consistent sealing and four times the strength than cut threads
- Female outlet
- 300 MM insulation
- Grip is directly molded on the lance providing protection and strength
- Ergonomic shape
- ***Chemical resistant***

## ST-009L VENTED GRIP LANCES

*(nickel chrome plated steel)*

*Suitable when using corrosive chemicals. Our most popular lances for cold or hot water applications.*

| ORDER # | PRESSURE | TEMP. | LENGTH | INLET | OUTLET | WEIGHT | BOX QTY |
|---|---|---|---|---|---|---|---|
| 200009506 | 6000 PSI | 300° F | 24 in | 1/4" MPT | 1/4" MPT | 1.08 lb | 10 |
| 200009509 | 6000 PSI | 300° F | 36 in | 1/4" MPT | 1/4" MPT | 1.46 lb | 10 |
| 200009512 | 6000 PSI | 300° F | 47 in | 1/4" MPT | 1/4" MPT | 2.20 lb | 10 |
| 200009515 | 6000 PSI | 300° F | 60 in | 1/4" MPT | 1/4" MPT | 2.42 lb | 10 |
| 200009519 | 6000 PSI | 300° F | 79 in | 1/4" MPT | 1/4" MPT | 2.94 lb | 10 |

- Vented grip easily adjusts anywhere on lance for anyone's desired ergonomic position
- Comes with ST-004 nozzle protector *(page 51)*
- Vented grip allows heat to dissipate providing a cooler handle
- Threads are rolled on providing consistent sealing and four times the strength than cut threads

---

## 1/2" HYDRO EXCAVATION LANCES

***Aluminum Sch. 80***

| ORDER # | PRESSURE | TEMP. | LENGTH | INLET | OUTLET | BOX QTY |
|---|---|---|---|---|---|---|
| 071220003 | 4000 PSI | 300° F | 36 in | 1/2" MPT | 1/2" MPT | 20 |
| 071220004 | 4000 PSI | 300° F | 48 in | 1/2" MPT | 1/2" MPT | 20 |
| 071220005 | 4000 PSI | 300° F | 60 in | 1/2" MPT | 1/2" MPT | 20 |
| 071220006 | 4000 PSI | 300° F | 72 in | 1/2" MPT | 1/2" MPT | 20 |

***Nickel Plated Steel Sch. 40***

| ORDER # | PRESSURE | TEMP. | LENGTH | INLET | OUTLET | BOX QTY |
|---|---|---|---|---|---|---|
| 071210003 | 4000 PSI | 300° F | 36 in | 1/2" MPT | 1/2" MPT | 20 |
| 071210004 | 4000 PSI | 300° F | 48 in | 1/2" MPT | 1/2" MPT | 20 |
| 071210005 | 4000 PSI | 300° F | 60 in | 1/2" MPT | 1/2" MPT | 20 |
| 071210006 | 4000 PSI | 300° F | 72 in | 1/2" MPT | 1/2" MPT | 20 |

## *ALSO AVAILABLE:*

**1/2" LANCE SIDE HANDLE** *(for 1/2" hydro excavation lances)*

#200009605

*Side handle shown here on lance. Products sold separately.*

## ST-53 DUAL LANCES *(plated steel)*

*For use when high and low pressures are needed. For example, spraying cleaning agents with low pressure through an injector valve and then cleaning with high pressure.*

| ORDER # | LENGTH | PRESSURE OUTLET | NOZZLE | WEIGHT |
|---|---|---|---|---|
| 200053500 | 38 in | 1/4" F x 1/4" Soap | 65° x 30.0 | 2.72 lb |
| 200053565 | 72 in | 1/4" F x 1/4" Soap | 65° x 30.0 | 5.50 lb |

| PRESSURE | TEMP. | INLET | BOX QTY |
|---|---|---|---|
| 3625 PSI | 300° F | 1/4" MPT | 30 |

**Repair Kits:** Knob Assembly #120000005
Complete Valve Kit #120000010

- High or low pressure operation is controlled by twisting the valve knob
- Threads are rolled on providing consistent sealing and four times the strength than cut threads

****NOTE:** No bend in the 72 inch dual lance

---

## ST-53.2 DUAL LANCE *(stainless steel)*

*Perfect for all heavy industrial high pressure spray application*

| ORDER # | LENGTH | PRESSURE OUTLET | NOZZLE | WEIGHT |
|---|---|---|---|---|
| 517053600 | 38.5 in | 1/4" F x 1/4" Soap | 65° x 30.0 | 2.75 lb |

| PRESSURE | TEMP. | INLET | BOX QTY |
|---|---|---|---|
| 5800 PSI | 302° F | 1/4" MPT | 12 |

**Repair Kits:** Complete Valve Kit #710053492

*Simple Hi/low Pressure adjustment valve*

- For the serious high pressure spray contractors choice
- Features our comfortable ergonomic shaped cool & compact molded grip resistant to heat
- ***Chemical resistant***
- Stainless steel soap nozzle included
- Easy Hi/Low pressure adjustment handling
- Premium dual-purpose lance that adds extreme versatility to your tools and accessories

*All stainless steel valve*

## ST-54 DUAL LANCES *(plated steel)*

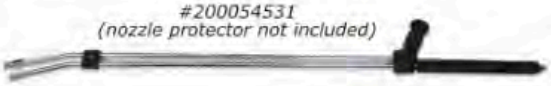
*For use when high and low pressures are needed. For example, spraying cleaning agents with low pressure through an injector valve and then cleaning with high pressure.*

| ORDER # | LENGTH | PRESSURE OUTLET | NOZZLE | WEIGHT |
|---|---|---|---|---|
| 200054500 | 38 in | 1/4" F x 1/4" Soap | 65° x 30.0 | 2.72 lb |
| 200054501 | 38 in | 1/4" F x 1/4" Soap | 65° x 40.0 | 2.72 lb |
| 200054530 | 47 in | 1/4" F x 1/4" Soap | 65° x 30.0 | 3.40 lb |
| 200054531 | 47 in | 1/4" F x 1/4" Soap | 40° x 40.0 | 3.40 lb |
| 200054565 | 72 in | 1/4" F x 1/4" Soap | 65° x 30.0 | 5.50 lb |

| PRESSURE | TEMP. | INLET | BOX QTY |
|---|---|---|---|
| 4500 PSI | 300° F | 1/4" MPT | 12 |

**Repair Kits:** Handle Assembly #200054450
Complete Valve Kit #200054492

*#200054531*
*(nozzle protector not included)*



- High or low pressure operation is controlled by twisting the side of the handle
- The side handle helps manage the lance with ease for longer working periods
- Threads are rolled on providing consistent sealing and four times the strength than cut threads
- Soap nozzle included

****NOTE:** No bend in the 72 inch dual lance

---

## ST-54.2 DUAL LANCE *(stainless steel)*

*Perfect for all heavy industrial high pressure spray application*

| ORDER # | LENGTH | PRESSURE OUTLET | NOZZLE | WEIGHT |
|---|---|---|---|---|
| 517054600 | 38.5 in | 1/4" F x 1/4" Soap | 65° x 30.0 | 3.20 lb |

| PRESSURE | TEMP. | INLET | BOX QTY |
|---|---|---|---|
| 5800 PSI | 302° F | 1/4" MPT | 12 |

**Repair Kits:** Complete Valve Kit #710053492

*Ergonomic side handle for safe and simple handling*

*All stainless steel valve*

- For the serious high pressure spray contractors choice
- Features our comfortable ergonomic shaped cool & compact molded grip resistant to heat
- ***Chemical resistant***
- Stainless steel soap nozzle included
- Easy Hi/Low pressure adjustment handling
- Premium dual-purpose lance that adds extreme versatility to your tools and accessories

## ST-154 DUAL LANCES *(high psi, stainless steel)*

*The side handle grip makes an effortless adjustment of the water jet during operation possible. A long casting point jet or a progressive cone like spray jet can be set.*

| ORDER # | LENGTH | PRESSURE OUTLET | NOZZLE | WEIGHT |
|---|---|---|---|---|
| 200154500 | 38 in | 1/4" F x 1/4" Soap | 65° x 30.0 | 2.62 lb |
| 200154550 | 50 in | 1/4" F x 1/4" Soap | 65° x 30.0 | 3.46 lb |

| PRESSURE | TEMP. | INLET |
|---|---|---|
| 7250 PSI | 300° F | 1/4" MPT |

**Repair Kits:** Handle Assembly #200154400
Complete Valve Kit #200154490

**7250 PSI**

- High or low pressure operation is controlled by twisting the side handle
- Side handle helps manage the lance with ease for longer working periods
- Lance is equipped with a 65° x 30.0 brass soap nozzle
- Threads are rolled on providing consistent sealing and four times the strength than cut threads

3625 PSI

*** Lances not sold separately**

## ST-357 TWIN TURBO NOZZLE LANCES

*The increased tearing action of the rotating spray is ideal for hard surface applications, such as concrete graffiti cleaning or caked mud on heavy equipment*

| ORDER # | PRESSURE | TEMP. | LENGTH | INLET | ORIFICE | WEIGHT | NOZZLE REPAIR KIT |
|---|---|---|---|---|---|---|---|
| 999357530 | 3625 PSI | 190° F | 42 in | 1/4" MPT | 2 x 3.0 | 2.68 lb | 200357130 |
| 999357535 | 3625 PSI | 190° F | 42 in | 1/4" MPT | 2 x 3.5 | 2.68 lb | 200357135 |
| 999357540 | 3625 PSI | 190° F | 42 in | 1/4" MPT | 2 x 4.0 | 2.68 lb | 200357140 |
| 999357545 | 3625 PSI | 190° F | 42 in | 1/4" MPT | 2 x 4.5 | 2.68 lb | 200357145 |
| 999357550 | 3625 PSI | 190° F | 42 in | 1/4" MPT | 2 x 5.0 | 2.68 lb | 200357150 |
| 999357555 | 3625 PSI | 190° F | 42 in | 1/4" MPT | 2 x 5.5 | 2.68 lb | 200357155 |
| 999357560 | 3625 PSI | 190° F | 42 in | 1/4" MPT | 2 x 6.0 | 2.68 lb | 200357160 |
| 999357570 | 3625 PSI | 190° F | 42 in | 1/4" MPT | 2 x 7.0 | 2.68 lb | 200357170 |
| 999357580 | 3625 PSI | 190° F | 42 in | 1/4" MPT | 2 x 8.0 | 2.68 lb | 200357180 |
| 999357590 | 3625 PSI | 190° F | 42 in | 1/4" MPT | 2 x 9.0 | 2.68 lb | 200357190 |
| 999357510 | 3625 PSI | 190° F | 42 in | 1/4" MPT | 2 x 10.0 | 2.68 lb | 200357110 |

- Increases cleaning efficiency by as much as 375%
- The 0° rotation creates a cleaning and tearing action
- The two turbo nozzles cover twice the amount of surface are resulting in saving time and money

---

5070 PSI

*** Lances not sold separately**

## ST-456 TWIN TURBO NOZZLE LANCES

*The increased tearing action of the rotating spray is ideal for hard surface applications, such as concrete graffiti cleaning or caked mud on heavy equipment*

| ORDER # | PRESSURE | TEMP. | LENGTH | INLET | ORIFICE | WEIGHT | NOZZLE REPAIR KIT |
|---|---|---|---|---|---|---|---|
| 999456530 | 5070 PSI | 200° F | 42 in | 1/4" MPT | 2 x 3.0 | 3.2 lb | 200456130 |
| 999456535 | 5070 PSI | 200° F | 42 in | 1/4" MPT | 2 x 3.5 | 3.2 lb | 200456135 |
| 999456540 | 5070 PSI | 200° F | 42 in | 1/4" MPT | 2 x 4.0 | 3.2 lb | 200456140 |
| 999456545 | 5070 PSI | 200° F | 42 in | 1/4" MPT | 2 x 4.5 | 3.2 lb | 200456145 |
| 999456550 | 5070 PSI | 200° F | 42 in | 1/4" MPT | 2 x 5.0 | 3.2 lb | 200456150 |
| 999456555 | 5070 PSI | 200° F | 42 in | 1/4" MPT | 2 x 5.5 | 3.2 lb | 200456155 |
| 999456560 | 5070 PSI | 200° F | 42 in | 1/4" MPT | 2 x 6.0 | 3.2 lb | 200456160 |
| 999456570 | 5070 PSI | 200° F | 42 in | 1/4" MPT | 2 x 7.0 | 3.2 lb | 200456170 |
| 999456580 | 5070 PSI | 200° F | 42 in | 1/4" MPT | 2 x 8.0 | 3.2 lb | 200456180 |

- Increases cleaning efficiency by as much as 375%
- The 0° rotation creates a cleaning and tearing action
- The two turbo nozzles cover twice the amount of surface are resulting in saving time and money

## ST-457 TWIN TURBO NOZZLE LANCES

*The increased tearing action of the rotating spray is ideal for hard surface applications, such as concrete graffiti cleaning or caked mud on heavy equipment*

| ORDER # | PRESSURE | TEMP. | LENGTH | INLET | ORIFICE | WEIGHT | NOZZLE REPAIR KIT |
|---|---|---|---|---|---|---|---|
| 999457530 | 6000 PSI | 212° F | 42 in | 1/4" MPT | 2 x 3.0 | 4.28 lb | 200457130 |
| 999457535 | 6000 PSI | 212° F | 42 in | 1/4" MPT | 2 x 3.5 | 4.28 lb | 200457135 |
| 999457540 | 6000 PSI | 212° F | 42 in | 1/4" MPT | 2 x 4.0 | 4.28 lb | 200457140 |
| 999457545 | 6000 PSI | 212° F | 42 in | 1/4" MPT | 2 x 4.5 | 4.28 lb | 200457145 |
| 999457550 | 6000 PSI | 212° F | 42 in | 1/4" MPT | 2 x 5.0 | 4.28 lb | 200457150 |
| 999457555 | 6000 PSI | 212° F | 42 in | 1/4" MPT | 2 x 5.5 | 4.28 lb | 200457155 |
| 999457560 | 6000 PSI | 212° F | 42 in | 1/4" MPT | 2 x 6.0 | 4.28 lb | 200457160 |
| 999457570 | 6000 PSI | 212° F | 42 in | 1/4" MPT | 2 x 7.0 | 4.28 lb | 200457170 |
| 999457580 | 6000 PSI | 212° F | 42 in | 1/4" MPT | 2 x 8.0 | 4.28 lb | 200457180 |
| 999457590 | 6000 PSI | 212° F | 42 in | 1/4" MPT | 2 x 9.0 | 4.28 lb | 200457190 |
| 999457510 | 6000 PSI | 212° F | 42 in | 1/4" MPT | 2 x 10.0 | 4.28 lb | 200457110 |

- Increases cleaning efficiency by as much as 375%
- The 0° rotation creates a cleaning and tearing action
- The two turbo nozzles cover twice the amount of surface are resulting in saving time and money

6000 PSI

**** Lances not sold separately***

**8700 PSI**

## ST-3600 LANCES *(stainless steel)*

*This* **8700 PSI** *rated stainless steel lance is the perfect fit for the ST-3600 spray gun. The stainless steel construction is ideal for chemical applications.*

| ORDER # | PRESSURE | TEMP. | LENGTH | INLET | OUTLET | WEIGHT |
|---|---|---|---|---|---|---|
| 203600400 | 8700 PSI | 300° F | 19 in | 1/2" MPT | 1/4" FPT | 2.35 lb |
| 203600402 | 8700 PSI | 300° F | 39 in | 1/2" MPT | 1/4" FPT | 3.00 lb |
| 203600450 | 8700 PSI | 300° F | 19 in | 1/2" MNPT | 1/4" FNPT | 2.35 lb |
| 203600452 | 8700 PSI | 300° F | 39 in | 1/2" MNPT | 1/4" FNPT | 3.00 lb |

- Threads are rolled on providing consistent sealing and four times the strength than cut threads
- Adjustable handle
- ***Chemical resistant***

---

## ST-85 PUSH/PULL LANCES *(hard to reach areas)*

*Hard to reach applications, such as gutters, underneath fender walls, truck bellies and heavy equipment. Lance angles from 20° to 90°*

| ORDER # | PRESSURE | TEMP. | LENGTH | INLET | OUTLET | WEIGHT |
|---|---|---|---|---|---|---|
| 200085710 (no handle) | 3050 PSI | 300° F | 33 in | 1/4" FPT | 1/4" FPT | 2.22 lb |
| 200085712 (with handle) | 3050 PSI | 300° F | 33 in | 1/4" FPT | 1/4" FPT | 2.42 lb |

- Side handle can be mounted on the left or right side of the lance
- Great for hard to reach applications such as gutters, decks, underneath fender walls, truck bellies and heavy equipment
- Cleans hard to reach areas easier; saving time and money
- Vented grip can be adjusted to make the lance angle from 20° up to 90°

*20° angle to 90° angle*

*Scan QR code to watch a short demo*

*https://www.youtube.com/watch?time_continue=1&v=CAIBIbQB3Uk&feature=emb_logo*

## FLEX WAND *(galvanized)*

*Popular car wash choice and for hard to reach applications*

| ORDER # | PRESSURE | TEMP. | OUTLET | COLOR |
|---|---|---|---|---|
| 900000080 | 2500 PSI | 200° F | 1/4" MPT x 1/8" FPT | Black |
| 900000081 | 2500 PSI | 200° F | 1/4" MPT x 1/4" MPT | Blue |

| INLET | LENGTH | WEIGHT |
|---|---|---|
| 1/4" MPT | 18 in | .89 lb |

- Flexes 180° and returns if pulled or driven over
- Prevents broken lances
- Easily fits gun tube in car wash bays
- Threads are rolled on providing consistent sealing and four times the strength then cut threads

## STAINLESS STEEL LONGCAST LANCE

*Works great for cleaning heavy mud equipment*

| ORDER # | PRESSURE | TEMP. | LENGTH | INLET | FLOW RATE | WEIGHT |
|---|---|---|---|---|---|---|
| 200078520 | 2200 PSI | 300° F | 38 in | 1/2" FPT | 21 GPM | 2.82 lb |

**Repair Kits:** Handle Kit #200078301
Piston Kit #200078300

- The side handle grip makes an effortless adjustment of the water jet during operation possible
- Easily change from full jet to conical spray jet spraying
- Works well with low and high pressure pumps
- Vented grip lance

*Lance only #200078500 30 inches*

### ALSO AVAILABLE:

*Longcast Stainless Steel Nozzle*
***SOLD SEPARATELY***

| ORDER # | NOZZLE SIZE (MM) | ORIFICE SIZE |
|---|---|---|
| 200078412 | 1.2 mm | 3.5 |
| 200078415 | 1.5 mm | 5.5 |
| 200078418 | 1.8 mm | 8.0 |
| 200078420 | 2.0 mm | 9.5 |
| 200078423 | 2.3 mm | 10.0 |
| 200078425 | 2.5 mm | 15.0 |
| 200078430 | 3.0 mm | 25.0 |
| 200078435 | 3.5 mm | 30.0 |
| 200078440 | 4.0 mm | 40.0 |
| 200078445 | 4.5 mm | 55.0 |
| 200078450 | 5.0 mm | 60.0 |
| 200078470 | 7.0 mm | 85.0 |

**Nozzle needs to be sized to customer's machine*

*Long casting full jet*

*Progressive, conical spray jet*

Scan QR code to watch a short demo

*https://www.youtube.com/watch?v=phLF4Z00YSk&feature=emb_logo*

## UNDERBODY LANCE

*Ideal for rinsing mud, dirt, snow or salt from under your car/truck underbody. Comes with our ST-601 Inline Spray Gun or ST-601 Weep Inline Spray Gun. Connects to your existing pressure washer. Light in weight and rolls easy with a long reach.*

| ORDER # | SPRAY GUN | PRESSURE | TEMP. | INLET | LENGTH | WEIGHT |
|---|---|---|---|---|---|---|
| 200097810 | ST-601 | 3000 PSI | 300° F | 3/8" F | 67 in | 6 lb |
| 200097813 | ST-601 Weep | 3000 PSI | 300° F | 3/8" F | 67 in | 6 lb |

- Lightweight and rolls easily for a long reach
- Remove mud, dirt, snow or salt from the underbody of your vehicle
- Stainless steel lance
- Comes with the ST-601 Inline Spray Gun and connects to existing pressure washer hose
- The ergonomic lance reduces fatigue
- Uses (3) threaded MEG nozzles

Scan QR code to watch a short demo

*https://www.youtube.com/watch?v=YifgKCI3prM*

*Comes w/ (3) 25° #2 1/8 MEG nozzles*

## UNDERBODY LANCE HOLDER

| ORDER # | DIMENSIONS (H x W x D) | WEIGHT |
|---|---|---|
| 040000321 | 1.38 x 9.63 x 2.25 inches | .55 lb |

- Easy storage for the underbody lance
- Pre-drilled holes for mounting
- Stainless steel

*Underbody lance shown here on underbody lance holder. Products sold separately.*

## LANCE HOLDER MOUNT

| ORDER # | DESCRIPTION | DIMENSIONS (H x W x D) | WEIGHT |
|---|---|---|---|
| 040002055 | Mounting bracket for spray guns / lances | 2.25 x 8.81 x 2.31 inches | .85 lb |

- Mounting bracket for spray guns / lances
- Perfect for mounting Suttner's ST-175 foam to rinse lance
- Stainless steel

*Gun/lance shown here on lance holder mount.*

*Products sold separately.*

## LANCE HOLDER

| ORDER # | LENGTH | DIAMETER | WEIGHT |
|---|---|---|---|
| 105630 | 21.65 in. | 2.36 in | 3.8 lb |

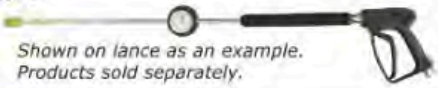
- Easily store lances when not in use
- Stainless steel

*Diameter*

*Assembly shown in lance holder. Products sold separately.*

## TEMPERATURE GAUGE

- Mounts easily to any spray lance
- Available for 1/4" (200097425) lance
- Simple way to monitor water temperature
- Great tool for service technicians



*Shown on lance as an example. Products sold separately.*

## LANCE BENDER *(stainless steel)*

*Stainless steel lance bender for 1/4" lances*

| ORDER # | MATERIAL | SIZE | WEIGHT |
|---|---|---|---|
| 040003600 | Stainless Steel | 1/4" Lances | .60 lb |

- Saves time and money
- Great for service trucks
- Add 15° to your own lances

Scan QR code to watch a short demo

*www.youtube.com/watch?v=5GvPLgE_7b4*

### *ALSO AVAILABLE:*

***15° Bend Available On All Lances***

- Added charge for bend
- When placing order to bend, add "B" to end of part number (example: 070000470B)

## NOZZLE HOLDER *(for 1/4" lance)*

*Easy access to nozzles*

| ORDER # | MATERIAL | TEMP. | WEIGHT |
|---|---|---|---|
| 020002515 | Soft durable polymer | 150° F | .10 lb |

- Holds (4) of your most commonly used 1/4" Quick Connect nozzles for quick and easy access

## ST-2 LANCE INSULATOR

*Insulates a bare lance and conforms to the curvature of the hand allowing for longer working hours*

| ORDER # | TEMP. | LENGTH | WEIGHT | BOX QTY |
|---|---|---|---|---|
| 200002510 | 300° F | 12 in | .28 lb | 50 |

- Easily adjusts anywhere on lance for anyone's desired ergonomic position
- Durable hardened plastic

*# 200009600*

*# 200009700*

## ST-009 LANCE HANDLES

*Helps manage the lance with ease and work longer hours*

| ORDER # | DESCRIPTION | WEIGHT | BOX QTY |
|---|---|---|---|
| 200009600 | Secures to any 1/4" lance | .28 lb | 200 |
| 200009700 | Secures to molded grip | .28 lb | — |

- #200009600 easily adjusts anywhere on a 1/4" metal lance for anyone's desired position
- Hand fits comfortably and secure around "star shaped" grip
- #200009700 easily adjusts anywhere on a Suttner molded grip lance for anyone's desired ergonomic position

*ST-9*
*#200009510*

*ST-9H*
*#200009520*

## ST-9 & ST-9H VENTED LANCE GRIPS

| ORDER # | DESCRIPTION | LENGTH | WEIGHT | BOX QTY |
|---|---|---|---|---|
| 200009510 | Vented grip | 15 in | .38 lb | 100 |
| 200009520 | Vented grip w/ side handle | 15 in | .62 lb | 100 |

- Vented grip allows heat to dissipate providing a cooler handle
- Easily adjusts anywhere on lance for anyone's desired ergonomic position
- Fits 1/4 inch lances

# NOZZLES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# Nozzle Chart

## CHOOSING THE RIGHT NOZZLE ORIFICE SIZE FOR YOUR MACHINE

*The orifice size of the nozzle determines the operating pressure of your machine. As a rule of thumb, the smaller the orifice, the greater the restriction of water flowing through the machine. This causes the pressure to increase.*

- Choosing a nozzle with too large an orifice will reduce operating pressure.
- Choosing a nozzle with too small an orifice will limit water flow and possibly create an excessive load on the machine.

| Nozzle Orifice Size (Gallons Per Minute (GPM)) | Pounds Per Square Inch (PSI) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 500 PSI | 600 PSI | 700 PSI | 800 PSI | 1000 PSI | 1500 PSI | 2000 PSI | 2500 PSI | 3000 PSI | 3500 PSI | 4000 PSI | 4500 PSI | 5000 PSI | 5500 PSI | 6000 PSI | 6500 PSI | 7000 PSI | 7500 PSI | 8000 PSI |
| 2 | .71 | .77 | .84 | .89 | 1.0 | 1.2 | 1.4 | 1.6 | 1.7 | 1.9 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 |
| 2.5 | .9 | 1.0 | 1.0 | 1.1 | 1.3 | 1.6 | 1.8 | 2.0 | 2.2 | 2.3 | 2.5 | 2.7 | 2.8 | 2.9 | 3.1 | 3.2 | 3.3 | 3.4 | 3.5 |
| 3.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.8 | 2.1 | 2.4 | 2.6 | 2.8 | 3.0 | 3.2 | 3.4 | 3.5 | 3.7 | 3.8 | 4.0 | 4.1 | 4.2 |
| 3.5 | 1.3 | 1.4 | 1.5 | 1.6 | 1.8 | 2.2 | 2.5 | 2.8 | 3.1 | 3.3 | 3.5 | 3.7 | 3.9 | 4.1 | 4.3 | 4.5 | 4.6 | 4.8 | 4.9 |
| 4.0 | 1.4 | 1.6 | 1.7 | 1.8 | 2.0 | 2.5 | 2.8 | 3.2 | 3.5 | 3.7 | 4.0 | 4.2 | 4.5 | 4.7 | 4.9 | 5.1 | 5.3 | 5.5 | 5.7 |
| 4.5 | 1.6 | 1.7 | 1.9 | 2.0 | 2.3 | 2.8 | 3.2 | 3.6 | 3.9 | 4.2 | 4.5 | 4.8 | 5.0 | 5.3 | 5.5 | 5.7 | 6.0 | 6.2 | 6.4 |
| 5.0 | 1.8 | 1.9 | 2.1 | 2.2 | 2.5 | 3.1 | 3.5 | 4.0 | 4.3 | 4.7 | 5.0 | 5.3 | 5.6 | 5.9 | 6.1 | 6.4 | 6.6 | 6.8 | 7.1 |
| 5.5 | 1.9 | 2.1 | 2.3 | 2.5 | 2.8 | 3.4 | 3.9 | 4.3 | 4.8 | 5.1 | 5.5 | 5.8 | 6.2 | 6.4 | 6.7 | 7.0 | 7.3 | 7.5 | 7.8 |
| 6.0 | 2.1 | 2.3 | 2.5 | 2.7 | 3.0 | 3.7 | 4.2 | 4.7 | 5.2 | 5.6 | 6.0 | 6.4 | 6.7 | 7.0 | 7.3 | 7.6 | 7.9 | 8.2 | 8.5 |
| 6.5 | 2.3 | 2.5 | 2.7 | 2.9 | 3.3 | 4.0 | 4.6 | 5.1 | 5.6 | 6.1 | 6.5 | 6.9 | 7.3 | 7.6 | 8.0 | 8.3 | 8.6 | 8.9 | 9.2 |
| 7.0 | 2.5 | 2.7 | 2.9 | 3.1 | 3.5 | 4.3 | 4.9 | 5.5 | 6.1 | 6.5 | 7.0 | 7.4 | 7.8 | 8.2 | 8.6 | 8.9 | 9.3 | 9.6 | 9.9 |
| 7.5 | 2.7 | 2.9 | 3.1 | 3.4 | 3.8 | 4.6 | 5.3 | 5.9 | 6.5 | 7.0 | 7.5 | 8.0 | 8.4 | 8.8 | 9.2 | 9.6 | 9.9 | 10.3 | 10.6 |
| 8.0 | 2.8 | 3.1 | 3.4 | 3.6 | 4.0 | 4.9 | 5.7 | 6.3 | 6.9 | 7.5 | 8.0 | 8.5 | 8.9 | 9.4 | 9.8 | 10.2 | 10.6 | 11.0 | 11.3 |
| 9.0 | 3.2 | 3.5 | 3.8 | 4.0 | 4.5 | 5.5 | 6.4 | 7.1 | 7.8 | 8.4 | 9.0 | 9.6 | 10.1 | 10.6 | 11.0 | 11.5 | 11.9 | 12.3 | 12.7 |
| 10 | 3.5 | 3.9 | 4.2 | 4.5 | 5.0 | 6.1 | 7.1 | 7.9 | 8.7 | 9.4 | 10.0 | 10.6 | 11.2 | 11.7 | 12.2 | 12.7 | 13.2 | 13.7 | 14.1 |
| 12 | 4.2 | 4.6 | 5.0 | 5.4 | 6.0 | 7.3 | 8.5 | 9.5 | 10.4 | 11.2 | 12.0 | 12.7 | 13.4 | 14.1 | 14.7 | 15.3 | 15.9 | 16.4 | 17.0 |
| 15 | 5.3 | 5.8 | 6.3 | 6.7 | 7.5 | 9.2 | 10.6 | 11.9 | 13.0 | 14.1 | 15.0 | 15.9 | 16.8 | 17.6 | 18.4 | 19.1 | 19.8 | 20.5 | 21.2 |

**Use the table to select the properly sized nozzle for your machine. Determine the nozzle size by matching the operating pressure (PSI) of your machine to the gallons per minute (GPM).**

### RED 0° NOZZLE

**USES:**
Removing weeds from sidewalk cracks, stubborn stains and chewing gum from concrete, masonry, aluminum, steel, caked mud and cleaning under lawn mowers.

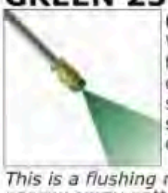
*This is a blasting nozzle. It delivers a very concentrated stream of water. Care should be used to avoid gouging wood or damaging fragile surfaces.*

### YELLOW 15° NOZZLE

**USES:**
Surface preparation (removing peeling paint and mildew stains), cleaning gutters, downspouts, removing bugs and grime from cars and trucks.

*This is a chiseling nozzle. The spray should be directed at a 45° angle to the surface and used like a scraper to remove paint, grease and dirt.*

### GREEN 25° NOZZLE



**USES:**
Wet-sweeping leaves from walks, curbs and driveways, cleaning stable floors, washing swimming pools and cleaning barbecue grills.

*This is a flushing nozzle. With a more narrow spray pattern than the 40° nozzle and with more concentrated spray pressure, this nozzle is best suited for flushing dirt, mud and grime.*

### WHITE 40° NOZZLE

**USES:**
Washing down siding on homes, cleaning windows, washing vehicles, spraying sidewalks, driveways and patios.

*This is a wash nozzle. Its wide spray pattern disperses the water pressure over a large area and is recommended for rinsing and moderate washing.*

### BLACK 65° NOZZLE

**USES:**
For applications using soaps and chemicals. Wide spray angle allows for even and broad applications for use on cars, siding and patios.

*This is a soap nozzle. Its wide angle spray pattern disperses soaps or chemicals over a large area.*

## QUICK CONNECT NOZZLES

*For applications requiring quick exchange of different degree nozzles*

| ORIFICE SIZE | 0° (Red) | 15° (Yellow) | 25° (Green) | 40° (White) |
|---|---|---|---|---|
| 2.0 | — | 900001520 | 900002520 | — |
| 2.5 | — | — | 900002525 | — |
| 3.0 | 900000D30 | 900001530 | 900002530 | 900004030 |
| 3.5 | 900000D35 | 900001535 | 900002535 | 900004035 |
| 4.0 | 900000D40 | 900001540 | 900002540 | 900004040 |
| 4.5 | 900000D45 | 900001545 | 900002545 | 900004045 |
| 5.0 | 900000D50 | 900001550 | 900002550 | 900004050 |
| 5.5 | 900000D55 | 900001555 | 900002555 | 900004055 |
| 6.0 | 900000D60 | 900001560 | 900002560 | 900004060 |
| 6.5 | 900000D65 | 900001565 | 900002565 | 900004065 |
| 7.0 | 900000D70 | 900001570 | 900002570 | 900004070 |
| 7.5 | 900000D75 | 900001575 | 900002575 | 900004075 |
| 8.0 | 900000D80 | 900001580 | 900002580 | 900004080 |
| 9.0 | 900000D90 | 900001590 | 900002590 | 900004090 |
| 10.0 | 900000D10 | 900001510 | 900002510 | 900004010 |
| 12.0 | 900000D12 | 900001512 | 900002512 | 900004012 |
| 15.0 | 900000D15 | 900001515 | 900002515 | 900004015 |
| 20.0 | 900000D20 | 900015D20 | — | — |
| 30.0 Special Order | — | 900015D30 | — | — |
| 35.0 Special Order | — | 900015D35 | — | — |

Spraying Systems Co.

*Available in Sets of 5*
*#999504000*

- 1/4" quick connect or disconnect design
- Spray angles range from high impact solid stream to 0° to 40° flat spray
- QCMEG include color coded protective nozzle guards identify nozzle degree

Scan QR code to watch a short demo

*www.youtube.com/watch?v=GRvP8CQBDas*

## ALSO AVAILABLE:

### Quick Connect Soap Nozzle

| ORIFICE SIZE | 25° SOAP (Black) | 65° SOAP (Black) |
|---|---|---|
| 40.0 | 9000S2540 | — |
| 40.0 | — | 839006540 |

*#9000S2540*
*Soap Nozzle*

## ECONOMY QUICK CONNECT NOZZLES

*For applications requiring quick exchange of different degree nozzles*

*Available in Sets of 5*
*#999544000*

*Degree marked on nozzles*

*#4000S6540*
*65° x 40*
*Soap Nozzle*

| ORIFICE SIZE | 0° (Red) | 15° (Yellow) | 25° (Green) | 40° (White) |
|---|---|---|---|---|
| 2.0 | — | 400001520 | 400002520 | 400004020 |
| 2.5 | — | 400001525 | 400002525 | — |
| 3.0 | 400000D30 | 400001530 | 400002530 | 400004030 |
| 3.5 | 400000D35 | 400001535 | 400002535 | 400004035 |
| 4.0 | 400000D40 | 400001540 | 400002540 | 400004040 |
| 4.5 | 400000D45 | 400001545 | 400002545 | 400004045 |
| 5.0 | 400000D50 | 400001550 | 400002550 | 400004050 |
| 5.5 | 400000D55 | 400001555 | 400002555 | 400004055 |
| 6.0 | 400000D60 | 400001560 | 400002560 | 400004060 |
| 6.5 | 400000D65 | 400001565 | 400002565 | 400004065 |
| 7.0 | 400000D70 | 400001570 | 400002570 | 400004070 |
| 7.5 | 400000D75 | 400001575 | 400002575 | 400004075 |
| 8.0 | 400000D80 | 400001580 | 400002580 | 400004080 |
| 8.5 | 400000D85 | 400001585 | 400002585 | 400004085 |
| 9.0 | 400000D90 | 400001590 | 400002590 | 400004090 |
| 10.0 | 400000D10 | 400001510 | 400002510 | 400004010 |
| 12.0 | 400000D12 | 400001512 | 400002512 | 400004012 |
| 15.0 | 400000D15 | 400001515 | 400002515 | — |
| 20.0 | 400000D20 | — | — | — |

- 1/4" quick connect or disconnect design
- Spray angles range from high impact solid stream to 0° to 40° flat spray
- QCMEG include color coded protective nozzle guards identify nozzle degree

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## QUICK CONNECT NOZZLE SETS

| ORDER # | PRESSURE | TEMP. | NOZZLE SIZE | COLOR |
|---|---|---|---|---|
| 125852040 | 5800 PSI | 300° F | 4.0 | Brown |
| 125852045 | 5800 PSI | 300° F | 4.5 | Green |
| 125852050 | 5800 PSI | 300° F | 5.0 | Black |
| 125852070 | 5800 PSI | 300° F | 7.0 | Orange |

- Easily change from one nozzle to another
- Nozzle spray angles: 0°, 15°, 40° and soap nozzle
- Professional stainless steel nozzle inserts
- Different color for different nozzle sizes

*#125852040*

*#125852050*

*#125852070*

## 1/8" MPT NOZZLES *(hardened stainless steel)*

*Ideal for one nozzle applications and quick exchange is not needed*

| ORIFICE SIZE | 15° | 25° | 40° | 50° | 65° |
|---|---|---|---|---|---|
| 1.0 | 828001501 | — | — | — | — |
| 1.5 | 828015015 | — | — | — | — |
| 2.0 | — | 828025020 | — | — | 828506520 |
| 2.5 | 828015025 | — | — | — | — |
| 3.0 | 828201530 | — | 828404030 | — | — |
| 3.5 | 828015035 | — | — | — | — |
| 4.0 | 828401540 | 828402540 | 828404040 | — | — |
| 4.5 | 828401545 | 828402545 | — | — | — |
| 5.0 | 828601550 | — | — | 828505050 | 828506550 |
| 5.5 | 828601555 | — | — | — | — |
| 6.0 | — | 828602560 | — | — | — |
| 6.5 | 828601565 | 828602565 | — | — | — |
| 7.0 | — | 828702570 | — | 828505070 | — |
| 8.0 | — | — | — | — | 828506580 |
| 10.0 | — | — | 828104010 | — | — |
| 15.0 | 828501515 | — | — | — | — |

- Spray angles range from high impact solid stream 15° to 65° flat spray
- Produce a uniform distribution of small to medium sized drops

### ALSO AVAILABLE:

*15° Soap (brass)*

| ORIFICE SIZE | 15° (Soap) |
|---|---|
| 15.0 | 828BR1515 |
| 50.0 | 828BR5050 |

***Minimal quantities required for special order nozzles**

## 1/4" FPT NOZZLES *(hardened stainless steel)*

*Ideal for one nozzle applications and when quick exchange is not needed*

Spraying Systems Co.

| ORIFICE SIZE | 0° | 15° | 25° | 40° |
|---|---|---|---|---|
| 4.0 | 9WEG0D040 | — | 9WEG25040 | — |
| 4.5 | — | 9WEG15045 | 9WEG25045 | 9WEG40045 |
| 5.0 | 9WEG0D005 | 9WEG15050 | 9WEG25050 | 9WEG40050 |
| 5.5 | 9WEG0D055 | 9WEG15055 | 9WEG25055 | 9WEG40055 |
| 6.0 | 9WEG0D006 | — | — | 9WEG40060 |
| 7.0 | — | 9WEG15070 | 9WEG25070 | 9WEG40070 |
| 8.0 | 9WEG0D008 | 9WEG15080 | 9WEG25080 | 9WEG40080 |
| 9.0 | — | 9WEG15090 | 9WEG25090 | 9WEG40090 |
| 10.0 | 9WEG00D10 | 9WEG01510 | 9WEG02510 | 9WEG04010 |

- Spray angles range from high impact solid stream 0° to a 40°

## 1/4" MPT NOZZLES *(hardened stainless steel)*

*Ideal for one nozzle applications and quick exchange is not needed*

| ORIFICE SIZE | 0° | 5° | 15° | 25° | 40° | 50° | 65° |
|---|---|---|---|---|---|---|---|
| 1.0 | — | — | — | 820202501 | 820204010 | — | — |
| 1.5 | — | — | — | 820202515 | — | — | — |
| 2.0 | 820200020 | — | 820201520 | 820202520 | 820204020 | — | 820206502 |
| 3.0 | 820200003 | — | 820201530 | 820202530 | 820204030 | — | 820306530 |
| 3.5 | 820200035 | — | 820201535 | 820202535 | 820204035 | — | — |
| 4.0 | 820300004 | 820300504 | 820301540 | 820302540 | 820304040 | — | 820306540 |
| 4.5 | 820400045 | — | 820401545 | 820402545 | 820404045 | — | 820406545 |
| 5.0 | 820500005 | — | 820501550 | 820502550 | 820504050 | — | 820506550 |
| 5.5 | 820600055 | — | 820601555 | 820602555 | 820604055 | — | 820606555 |
| 6.0 | 820700006 | — | 820701560 | 820702560 | 820704060 | 820705060 | 820706560 |
| 6.5 | 820700065 | — | 820701565 | 820702565 | 820704065 | — | — |
| 7.0 | 820800007 | — | 820801570 | 820802570 | 820804070 | — | — |
| 7.5 | — | — | 820801575 | — | — | — | — |
| 8.0 | 820900008 | — | 820901580 | 820902580 | 820904080 | — | 820906508 |
| 9.0 | — | — | 820901509 | — | 820904090 | 820905090 | 820906509 |
| 10.0 | 821000010 | — | 821001510 | 821002510 | 821004010 | — | 821006510 |
| 11.0 | — | — | 821001511 | — | — | — | — |
| 12.0 | 821000012 | 821500512 | 821001512 | 821002512 | 821004012 | — | — |
| 15.0 | 821000015 | 821500515 | 821001515 | 821002515 | 821504015 | — | 821006515 |
| 20.0 | 821000020 | 821500520 | 821501520 | 821002520 | 821504020 | 821005020 | 821006520 |
| 25.0 | 821500025 | — | 821501525 | 821502525 | 821004025 | — | — |
| 30.0 | 821000030 | 821500530 | 821601530 | 821002530 | 821604030 | — | 821006530 |
| 35.0 | 821000035 | — | 821001535 | 821002535 | 821604035 | — | — |
| 40.0 | 821000040 | — | 821001540 | 821002540 | 821004040 | — | 821006530 |
| 50.0 | 821000050 | — | — | — | 821004050 | — | — |
| 60.0 | 821000060 | 821500560 | — | 821002560 | — | — | — |

- Spray angles range from high impact solid stream 0° to 65° flat spray
- Produce an uniform distribution of small to medium sized drops

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## 1/4" MPT VEEJET NOZZLES *(brass)*

*Ideal for one nozzle applications and when quick exchange is not needed*

Spraying Systems Co.

| ORIFICE SIZE | 0° | 15° | 25° | 40° | 50° | 65° | 80° |
|---|---|---|---|---|---|---|---|
| 10.0 | — | — | 8110S2510 | 8110S4010 | — | — | — |
| 15.0 | — | — | 8110S2515 | — | — | — | — |
| 20.0 | 8110S0020 | 8110S1520 | 8110S2520 | 8110S4020 | — | — | 8110S8020 |
| 30.0 | 8110S0030 | 820051530 | 8110S2530 | 8110S4030 | — | — | — |
| 40.0 | — | — | 8110S2540 | — | — | 8110S6540 | — |
| 50.0 | 8110S0050 | — | 8110S2550 | 8110S4050 | 8120S5050 | — | — |
| 60.0 | 8110S0060 | — | 8110S2560 | 8110S4060 | — | — | — |
| 70.0 | — | — | 8110S2570 | — | — | — | — |

## ALSO AVAILABLE:

| ORIFICE SIZE | 25° | 65° | 110° |
|---|---|---|---|
| 1.0 | — | — | 811S11001 (S.S) |
| 10.0 | 812SS2510 (S.S) | 8110S6510 (B.R) | — |

- High impact spray pattern

## ST-004 NOZZLE PROTECTORS w/ BUSHING

*(protects the cleaning surface)*

| ORDER # | INLET | OUTLET | WEIGHT |
|---|---|---|---|
| 200000003 | 1/4" FPT | 1/4" FPT | .10 lb |
| 200000004 | 1/4" FPT | 1/8" FPT | .10 lb |

- Nozzle protection for 1/4" or 1/8" threaded nozzles
- Easy access to your nozzle

## ST-10 NOZZLE PROTECTORS *(soft edge, hard body)*

*Nozzle protection for 1/4" threaded nozzles. Ideal for protecting sensitive surfaces against damage, such as car washing*

| ORDER # | MATERIAL | TEMP. | INLET | OUTLET | WEIGHT |
|---|---|---|---|---|---|
| 200010520 | Zinc Plated | 300° F | 1/4" FPT | 1/4" FPT | .10 lb |
| 200010530 | Zinc Plated | 300° F | 1/4" FPT | 1/4" FPT | .10 lb |
| 200010720 | Stainless Steel | 300° F | 1/4" FPT | 1/4" FPT | .10 lb |

- Damage is prevented since nozzle is surrounded by protector and provides additional protection with its soft edge

*Red/Black*
*#200010520 Zinc Plated*
*#200010720 Stainless Steel*

*Black/Gray*
*#200010530 Zinc Plated*

### *ALSO AVAILABLE:*

*Multiple colors: Special order, minimum quantities Zinc plated or stainless steel.*

## NOZZLE PROTECTORS ST-11

| ORDER # | TEMP. | WEIGHT | COLOR |
|---|---|---|---|
| 020001123 | 300° F | 0.2 lb | Yellow |
| 020001149 | 300° F | 0.2 lb | Blue |
| 020001122 | 300° F | 0.2 lb | Green |
| 020001121 | 300° F | 0.2 lb | Red |

- The nozzle protector ST-11 suitable for nozzles 1/4" M

FOOD GRADE

*Example shown here, product sold separately*

# Turbo Nozzle Chart

| | ST-357 | ST-456 | ST-457 | ST-457H |
|---|---|---|---|---|
| **Page Number** | 53 | 53 | 54 | 56 |
| **Pressure Rating** | 3625 PSI | 5070 PSI | 6000 PSI | 6000 PSI |
| **Temp. Rating** | 190° F | 212° F | 212° F | 212° F |
| **Available Orifice Sizes** | 3.0 - 10.0 | 3.0 - 10.0 | 3.0 - 10.0 | 3.0 - 10.0 |
| **Inlet Size** | 1/4" FPT | 1/4" FPT | 1/4" FPT | 1/2" FPT |
| **Hydro-Excavating** | ✓ | ✓ | ✓ | ✓ |
| **Cover** | ✓ | ✓ | ✓ | ✓ |
| **Rotor & Seat Materials** | Ceramic | Ceramic | Ceramic | Ceramic |
| **Housing Materials** | Brass | Brass | Brass | Brass |

| | ST-458 | ST-458 Hydro-Excavating | ST-458H | ST-559 |
|---|---|---|---|---|
| **Page Number** | 54 | 57 | 57 | 55 |
| **Pressure Rating** | 6000 PSI | 6000 PSI | 6000 PSI | 8700 PSI |
| **Temp. Rating** | 212° F | 190° F | 212° F | 190° F |
| **Available Orifice Sizes** | 11.0 - 30.0 | 3.0 - 12.0 | 12.0 - 25.0 | 2.0 - 6.0 |
| **Inlet Sizes** | 1/4" FPT | 1/2" F | 1/2" FPT | 1/4" FPT |
| **Hydro-Excavating** | ✓ | ✓ | ✓ | ✓ |
| **Cover** | — | ✓ | ✓ | — |
| **Rotor & Seat Materials** | Ceramic | Ceramic | Ceramic | Tungsten Carbide |
| **Housing Materials** | Brass | Brass | Brass | Poly |

## ST-357 TURBO NOZZLES

*The increased tearing action of the rotating spray is ideal for hard surface applications, such as concrete graffiti cleaning or caked on mud on heavy equipment*

3625 PSI

| ORDER # | PRESSURE | TEMP. | ORIFICE | INLET | WEIGHT | REPAIR KIT |
|---|---|---|---|---|---|---|
| 200357530 | 3625 PSI | 190° F | 3.0 | 1/4" FPT | .68 lb | 200357130 |
| 200357535 | 3625 PSI | 190° F | 3.5 | 1/4" FPT | .68 lb | 200357135 |
| 200357540 | 3625 PSI | 190° F | 4.0 | 1/4" FPT | .68 lb | 200357140 |
| 200357545 | 3625 PSI | 190° F | 4.5 | 1/4" FPT | .68 lb | 200357145 |
| 200357550 | 3625 PSI | 190° F | 5.0 | 1/4" FPT | .68 lb | 200357150 |
| 200357555 | 3625 PSI | 190° F | 5.5 | 1/4" FPT | .68 lb | 200357155 |
| 200357570 | 3625 PSI | 190° F | 7.0 | 1/4" FPT | .68 lb | 200357170 |
| 200357580 | 3625 PSI | 190° F | 8.0 | 1/4" FPT | .68 lb | 200357180 |
| 200357590 | 3625 PSI | 190° F | 9.0 | 1/4" FPT | .68 lb | 200357190 |
| 200357510 | 3625 PSI | 190° F | 10.0 | 1/4" FPT | .68 lb | 200357110 |

- Increases cleaning efficiency as much as 200%
- The 0° rotation creates a cleaning and tearing action
- Minimum 1000 PSI
- Ideal for hard surfaces
- Improved materials for a longer life
- Orifice size stamped on inlet nut
- Box quantity: 50

***ALWAYS START TURBO NOZZLE IN A DOWNWARD POSITION.***

***THE USE OF A TURBO STRAINER IS RECOMMENDED FOR ALL TURBO NOZZLES.***

## ST-456 TURBO NOZZLES

*The increased tearing action of the rotating spray is ideal for hard surface applications, such as concrete graffiti cleaning or caked mud*

5070 PSI

| ORDER # | PRESSURE | TEMP. | ORIFICE | INLET | WEIGHT | REPAIR KIT |
|---|---|---|---|---|---|---|
| 200456530 | 5070 PSI | 212° F | 3.0 | 1/4" FPT | .9 lb | 200456130 |
| 200456535 | 5070 PSI | 212° F | 3.5 | 1/4" FPT | .9 lb | 200456135 |
| 200456540 | 5070 PSI | 212° F | 4.0 | 1/4" FPT | .9 lb | 200456140 |
| 200456545 | 5070 PSI | 212° F | 4.5 | 1/4" FPT | .9 lb | 200456145 |
| 200456550 | 5070 PSI | 212° F | 5.0 | 1/4" FPT | .9 lb | 200456150 |
| 200456555 | 5070 PSI | 212° F | 5.5 | 1/4" FPT | .9 lb | 200456155 |
| 200456560 | 5070 PSI | 212° F | 6.0 | 1/4" FPT | .9 lb | 200456160 |
| 200456570 | 5070 PSI | 212° F | 7.0 | 1/4" FPT | .9 lb | 200456170 |
| 200456580 | 5070 PSI | 212° F | 8.0 | 1/4" FPT | .9 lb | 200456180 |

- Increases cleaning efficiency as much as 200%
- The 0° rotation creates a cleaning and tearing action
- Minimum 1000 PSI
- Improved materials for a longer life
- Orifice size stamped on inlet nut
- Box quantity: 25

***ALWAYS START TURBO NOZZLE IN A DOWNWARD POSITION.***

***THE USE OF A TURBO STRAINER IS RECOMMENDED FOR ALL TURBO NOZZLES.***

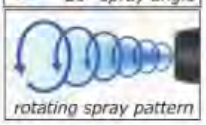
Scan QR code to watch a short demo

www.youtube.com/watch?v=L9zVj33WBa4&feature=youtu.be

6000 PSI

**ALWAYS START TURBO NOZZLE IN A DOWNWARD POSITION.**

**THE USE OF A TURBO STRAINER IS RECOMMENDED FOR ALL TURBO NOZZLES.**




## ST-457 TURBO NOZZLES

*The increased tearing action of the rotating spray is ideal for hard surface applications, such as concrete graffiti cleaning or caked on mud on heavy equipment*

| ORDER # | PRESSURE | TEMP. | ORIFICE | INLET | WEIGHT | REPAIR KIT |
|---|---|---|---|---|---|---|
| 200457530 | 6000 PSI | 212° F | 3.0 | 1/4" FPT | 1.48 lb | 200457130 |
| 200457535 | 6000 PSI | 212° F | 3.5 | 1/4" FPT | 1.48 lb | 200457135 |
| 200457540 | 6000 PSI | 212° F | 4.0 | 1/4" FPT | 1.48 lb | 200457140 |
| 200457545 | 6000 PSI | 212° F | 4.5 | 1/4" FPT | 1.48 lb | 200457145 |
| 200457550 | 6000 PSI | 212° F | 5.0 | 1/4" FPT | 1.48 lb | 200457150 |
| 200457555 | 6000 PSI | 212° F | 5.5 | 1/4" FPT | 1.48 lb | 200457155 |
| 200457560 | 6000 PSI | 212° F | 6.0 | 1/4" FPT | 1.48 lb | 200457160 |
| 200457570 | 6000 PSI | 212° F | 7.0 | 1/4" FPT | 1.48 lb | 200457170 |
| 200457580 | 6000 PSI | 212° F | 8.0 | 1/4" FPT | 1.48 lb | 200457180 |
| 200457590 | 6000 PSI | 212° F | 9.0 | 1/4" FPT | 1.48 lb | 200457190 |
| 200457510 | 6000 PSI | 212° F | 10.0 | 1/4" FPT | 1.48 lb | 200457110 |

- Increases cleaning efficiency as much as 200%
- The 0° rotation creates a cleaning and tearing action
- Minimum 1000 PSI
- Improved materials for a longer life
- Orifice size stamped on inlet nut
- Box quantity: 25

Scan QR code to watch a short demo

*www.youtube.com/watch?v=L9zVj33WBa4&feature=youtu.be*

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6000 PSI

**ALWAYS START TURBO NOZZLE IN A DOWNWARD POSITION.**

**THE USE OF A TURBO STRAINER IS RECOMMENDED FOR ALL TURBO NOZZLES.**

## ST-458 TURBO NOZZLES

*The increased tearing action of the rotating spray is ideal for hard surface applications, such as concrete graffiti cleaning or caked on mud on heavy equipment*

| ORDER # | PRESSURE | TEMP. | ORIFICE | INLET | WEIGHT | REPAIR KIT |
|---|---|---|---|---|---|---|
| 200458811 | 6000 PSI | 212° F | 11.0 | 1/4" FPT | 1.60 lb | 200458311 |
| 200458812 | 6000 PSI | 212° F | 12.0 | 1/4" FPT | 1.60 lb | 200458312 |
| 200458815 | 6000 PSI | 212° F | 15.0 | 1/4" FPT | 1.60 lb | 200458315 |
| 200458820 | 6000 PSI | 212° F | 20.0 | 1/4" FPT | 1.60 lb | 200458320 |
| 200458825 | 6000 PSI | 212° F | 25.0 | 1/4" FPT | 1.60 lb | 200458325 |
| 200458830 | 6000 PSI | 212° F | 30.0 | 1/4" FPT | 1.60 lb | 200458330 |

- Increases cleaning efficiency as much as 200%
- The 0° rotation creates a cleaning and tearing action
- Minimum 1000 PSI
- Improved materials for a longer life
- Orifice size stamped on inlet nut
- Box quantity: 25
- ***Special order: Orifice size 11.0***

Scan QR code to watch a short demo

*www.youtube.com/watch v=L9zVj33WBa4&feature=youtu.be*

## ST-559 TURBO NOZZLES

*(tungsten carbide nozzle & seat)*

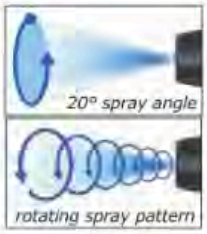
*The increased tearing action of the rotating spray is ideal for hard surface applications, such as concrete graffiti cleaning or caked on mud on heavy equipment*

| ORDER # | PRESSURE | TEMP. | ORIFICE | INLET | WEIGHT | REPAIR KIT |
|---|---|---|---|---|---|---|
| 200559620 | 8700 PSI | 190° F | 2.0 | 1/4" FPT | 1.32 lb | 200559120 |
| 200559630 | 8700 PSI | 190° F | 3.0 | 1/4" FPT | 1.32 lb | 200559130 |
| 200559640 | 8700 PSI | 190° F | 4.0 | 1/4" FPT | 1.32 lb | 200559140 |
| 200559650 | 8700 PSI | 190° F | 5.0 | 1/4" FPT | 1.32 lb | 200559150 |
| 200559655 | 8700 PSI | 190° F | 5.5 | 1/4" FPT | 1.32 lb | 200559155 |
| 200559660 | 8700 PSI | 190° F | 6.0 | 1/4" FPT | 1.32 lb | 200559160 |

***ALWAYS START TURBO NOZZLE IN A DOWNWARD POSITION.***

***THE USE OF A TURBO STRAINER IS RECOMMENDED FOR ALL TURBO NOZZLES.***

- Increases cleaning efficiency as much as 200%
- The 0° rotation creates a cleaning and tearing action
- Ideal for hard surfaces
- Improved materials for a longer life
- Tungsten carbide nozzle and sealing seat
- Orifice size stamped on inlet nut




### ALSO AVAILABLE:

*1/2" Inlet (minimum quantities)*

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## ST-415 TURBO NOZZLE *(rotating spray pattern)*

*Ideal for hard surface cleaning such as decks and concrete. Perfect for residential machines.*

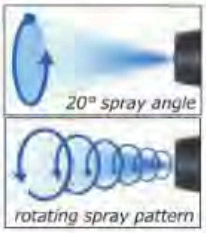
1750 PSI

| ORDER # | PRESSURE | TEMP. | ORIFICE | INLET | WEIGHT |
|---|---|---|---|---|---|
| 200415505 | 1750 PSI | 140° F | 3.5 | 1/4" FPT | .10 lb |

***ALWAYS START TURBO NOZZLE IN A DOWNWARD POSITION.***

***THE USE OF A TURBO STRAINER IS RECOMMENDED FOR ALL TURBO NOZZLES.***

- Increases cleaning efficiency as much as 200%
- The 0° rotation creates a cleaning and tearing action
- Improved materials for longer life
- Ideal for hard surfaces



## 8° TURBO NOZZLES *(stainless steel)*

- 8° spray angle
- Extremely aggressive jet
- Length: 6 inches
- Weight: 1 lb
- Chemical resistant housing
- ***Ideal for hydro excavating***

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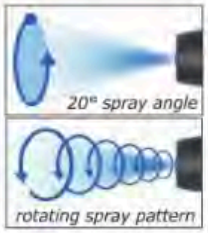
## ST-457H TURBO NOZZLES

6000 PSI

| ORDER # | PRESSURE | TEMP. | ORIFICE | INLET | WEIGHT | REPAIR KIT |
|---|---|---|---|---|---|---|
| 200457730 | 6000 PSI | 212° F | 3.0 | 1/2" FPT | 1.48 lb | 200457130 |
| 200457735 | 6000 PSI | 212° F | 3.5 | 1/2" FPT | 1.48 lb | 200457135 |
| 200457740 | 6000 PSI | 212° F | 4.0 | 1/2" FPT | 1.48 lb | 200457140 |
| 200457745 | 6000 PSI | 212° F | 4.5 | 1/2" FPT | 1.48 lb | 200457145 |
| 200457750 | 6000 PSI | 212° F | 5.0 | 1/2" FPT | 1.48 lb | 200457150 |
| 200457755 | 6000 PSI | 212° F | 5.5 | 1/2" FPT | 1.48 lb | 200457155 |
| 200457760 | 6000 PSI | 212° F | 6.0 | 1/2" FPT | 1.48 lb | 200457160 |
| 200457770 | 6000 PSI | 212° F | 7.0 | 1/2" FPT | 1.48 lb | 200457170 |
| 200457780 | 6000 PSI | 212° F | 8.0 | 1/2" FPT | 1.48 lb | 200457180 |
| 200457790 | 6000 PSI | 212° F | 9.0 | 1/2" FPT | 1.48 lb | 200457190 |
| 200457710 | 6000 PSI | 212° F | 10.0 | 1/2" FPT | 1.48 lb | 200457110 |

***ALWAYS START TURBO NOZZLE IN A DOWNWARD POSITION.***

***THE USE OF A TURBO STRAINER IS RECOMMENDED FOR ALL TURBO NOZZLES.***




- Increases cleaning efficiency as much as 200%
- The 0° rotation creates a cleaning and tearing action
- Ideal for hard surfaces
- Minimum 1000 PSI
- Ideal for hard surfaces
- Improved materials for a longer life
- ***Ideal for hydro excavating***
- Orifice size stamped on inlet nut
- Box quantity: 20

## ST-458 HYDRO EXCAVATING TURBO NOZZLES

| ORDER # | PRESSURE | TEMP. | NOZZLE SIZE | INLET | WEIGHT | REPAIR KIT |
|---|---|---|---|---|---|---|
| 200458982 | 6000 PSI | 190° F | 3.0 | 1/2" F | 1.60 lb | 200457130 |
| 200458983 | 6000 PSI | 190° F | 3.5 | 1/2" F | 1.60 lb | 200457135 |
| 200458984 | 6000 PSI | 190° F | 4.0 | 1/2" F | 1.60 lb | 200457140 |
| 200458985 | 6000 PSI | 190° F | 4.5 | 1/2" F | 1.60 lb | 200457145 |
| 200458986 | 6000 PSI | 190° F | 5.0 | 1/2" F | 1.60 lb | 200457150 |
| 200458987 | 6000 PSI | 190° F | 5.5 | 1/2" F | 1.60 lb | 200457155 |
| 200458988 | 6000 PSI | 190° F | 6.0 | 1/2" F | 1.60 lb | 200457160 |
| 200458990 | 6000 PSI | 190° F | 7.0 | 1/2" F | 1.60 lb | 200457170 |
| 200458981 | 6000 PSI | 190° F | 8.0 | 1/2" F | 1.60 lb | 200457180 |
| 200458991 | 6000 PSI | 190° F | 9.0 | 1/2" F | 1.60 lb | 200457190 |
| 200458992 | 6000 PSI | 190° F | 10.0 | 1/2" F | 1.60 lb | 200457110 |
| 200458993 | 6000 PSI | 190° F | 12.0 | 1/2" F | 1.60 lb | 200458312 |

***ALWAYS START TURBO NOZZLE IN A DOWNWARD POSITION.***

***THE USE OF A TURBO STRAINER IS RECOMMENDED FOR ALL TURBO NOZZLES.***

- Added extension to the outlet to help prevent mud and dirt from damaging the seat and rotor
- Molded and wear resistant poly cover
- Increases the lifetime of the nozzle significantly
- Different colors available per request
- ***Ideal for hydro excavating***
- Orifice size stamped on inlet nut

## ST-458H TURBO NOZZLES

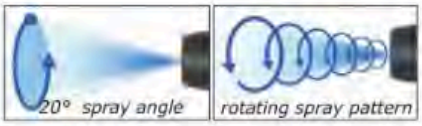
| ORDER # | PRESSURE | TEMP. | ORIFICE | INLET | WEIGHT | REPAIR KIT |
|---|---|---|---|---|---|---|
| 200458712 | 6000 PSI | 212° F | 12.0 | 1/2" FPT | 1.60 lb | 200458312 |
| 200458715 | 6000 PSI | 212° F | 15.0 | 1/2" FPT | 1.60 lb | 200458315 |
| 200458720 | 6000 PSI | 212° F | 20.0 | 1/2" FPT | 1.60 lb | 200458320 |
| 200458725 | 6000 PSI | 212° F | 25.0 | 1/2" FPT | 1.60 lb | 200458325 |
| 200458730 | 6000 PSI | 212° F | 30.0 | 1/2" FPT | 1.60 lb | 200458330 |

6000 PSI

***ALWAYS START TURBO NOZZLE IN A DOWNWARD POSITION.***

***THE USE OF A TURBO STRAINER IS RECOMMENDED FOR ALL TURBO NOZZLES.***

- Increases cleaning efficiency as much as 200%
- The 0° rotation creates a cleaning and tearing action
- Minimum 1000 PSI
- Improved materials for a longer life
- ***Ideal for hydro excavating***
- Box quantity: 25




### ***ALSO AVAILABLE:***

*Available Without Cap in 12.0 orifice #200458712*

*Front view*

## STATIC HYDRO EXCAVATION NOZZLES

*Hydro-excavation is fast and effective in all geology types, capable of working at greater depths pneumatic systems*

| ORDER # | PRESSURE | TEMP. | ORIFICE | INLET | WEIGHT |
|---|---|---|---|---|---|
| 200049420045 | 4000 PSI | 212° F | 4.5 | 1/2" FPT | .25 lb |
| 200049420055 | 4000 PSI | 212° F | 5.5 | 1/2" FPT | .25 lb |
| 200049420060 | 4000 PSI | 212° F | 6.0 | 1/2" FPT | .25 lb |
| 200049420080 | 4000 PSI | 212° F | 8.0 | 1/2" FPT | .25 lb |
| 200049420100 | 4000 PSI | 212° F | 10.0 | 1/2" FPT | .25 lb |
| 200049420110 | 4000 PSI | 212° F | 11.0 | 1/2" FPT | .25 lb |
| 200049420120 | 4000 PSI | 212° F | 12.0 | 1/2" FPT | .25 lb |
| 200049420130 | 4000 PSI | 212° F | 13.0 | 1/2" FPT | .25 lb |
| 200049420150 | 4000 PSI | 212° F | 15.0 | 1/2" FPT | .25 lb |
| 200049420200 | 4000 PSI | 212° F | 20.0 | 1/2" FPT | .25 lb |
| 200049420300 | 4000 PSI | 212° F | 30.0 | 1/2" FPT | .25 lb |
| 200049420350 | 4000 PSI | 212° F | 35.0 | 1/2" FPT | .25 lb |

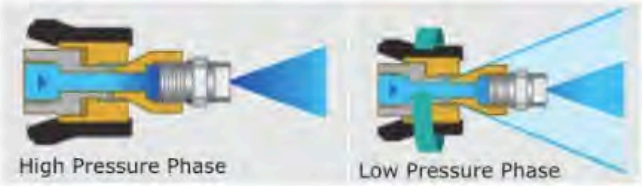
- (1) Centric front nozzle and (3) 15° front
- Ideal for areas with access issues
- Safely remove contaminated materials
- ***Ideal for hydro excavating***
- Custom made for customer's machine
- Hardened stainless steel with durable poly cover

## ST-51N ADJUSTABLE NOZZLE *(high and low pressures)*

*For use when high and low pressures are needed. For example, spraying cleaning agents with low pressure through an injector valve and then cleaning with high pressure.*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | OUTLET | WEIGHT |
|---|---|---|---|---|---|---|
| 200051530 | 3600 PSI | 212° F | 8 GPM | 1/4" FPT | 1/4" FPT | .36 lb |

- Through twisting the plastic housing the high or low pressure operation is continuously adjustable
- Dumps water around nozzle to lower pressure
- The nozzle housing is made of an impact resistant plastic, manufactured or corrosion resistant material




## ST-330 ADJUSTABLE NOZZLE HOLDERS

*(stainless steel)*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | OUTLET | WEIGHT |
|---|---|---|---|---|---|---|
| 200330500 | 5070 PSI | 300° F | 10 GPM | 1/4" F | 1/4" F | .30 lb |
| 200330501 | 5070 PSI | 300° F | 10 GPM | 1/4" F | 1/4" F | .40 lb |
| 200330510 | 5070 PSI | 300° F | 10 GPM | 1/4" F | 1/4" M | .30 lb |
| NEW! **200330540** | **5070 PSI** | **300° F** | **10 GPM** | **1/4" M** | **1/4" F** | **.30 lb** |

- Stainless steel
- Perfect for hard to reach areas
- Adjustable 270° (+/-135°)

Scan QR code to watch a short demo

www.youtube.com/watch?v=maMfWp6up2g

*cleaning gutters*

*#200330500*

*#200330501*

*#200330510*

NEW!

*#200330540*

*Pivot-able nozzle holder*

Spraying Systems Co.

## ADJUSTABLE WASHJET NOZZLES *(0° to 80°)*

*For use when different spray patterns from 0° solid stream to 80° flat spray are needed. No need to switch out nozzle to achieve different spray patterns.*

| ORDER # | PRESSURE | TEMP. | ORIFICE | INLET | LENGTH | DIAMETER | WEIGHT |
|---|---|---|---|---|---|---|---|
| 239900035 | 3000 PSI | 300° F | 3.5 | 1/4" FPT | 1.875 in | 1.1875 in | .20 lb |
| 239900040 | 3000 PSI | 300° F | 4.0 | 1/4" FPT | 1.875 in | 1.1875 in | .20 lb |
| 239900045 | 3000 PSI | 300° F | 4.5 | 1/4" FPT | 1.875 in | 1.1875 in | .20 lb |
| 239900055 | 3000 PSI | 300° F | 5.5 | 1/4" FPT | 1.875 in | 1.1875 in | .20 lb |
| 239900200 | 3000 PSI | 300° F | 20.0 | 1/4" FPT | 1.875 in | 1.1875 in | .20 lb |

- Quick and easy spray pattern adjustment from 0° solid stream to 80° flat spray with a simple twist of the nozzle head
- Internal guide vane visual reference for spray alignment
- Hardened stainless steel orifice for wear resistance and long life
- Outer covering made of nylon for additional protection

## ST-52 PRESSURE REGULATOR

*Control pressure and volume by turning the black housing and restricting water flow. No need to switch nozzle sizes to lower pressure.*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | OUTLET | WEIGHT |
|---|---|---|---|---|---|---|
| 200052500 | 3600 PSI | 300° F | 8 GPM | 1/2" MPT | 1/4" FPT | .36 lb |

- Reduces pressure down to a 500 PSI

## ST-56 ROLL-OVER NOZZLE *(switch nozzles easily)*

*Switch between two nozzles without stopping. Great for applying soap and then cleaning with high pressure. Popular at tunnel car washes.*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | OUTLET | WEIGHT |
|---|---|---|---|---|---|---|
| 200056500 | 3600 PSI | 300° F | 8 GPM | 1/4" FPT | 1/4" FPT | .51 lb |

- Simply turn over the complete assembly or swivel lance and you have access to two different nozzles
- Spray depends on nozzles used
- Water sprays through one nozzle port at a time since a stainless steel ball covers the opposite port

## ST-58 CHANGE-OVER VALVE *(stainless steel)*

| ORDER # | PRESSURE | TEMP. | INLET | WEIGHT |
|---|---|---|---|---|
| 200058600 | 5000 PSI | 200° F | 1/4" FPT | .85 lb |

- Ideal for dual lance applications
- Custom make your dual lance
- Stainless steel
- Replaces roll-over nozzles
- Corrosive resistant

Scan QR code to watch a short demo

https://youtu.be/4CoQ-0h80x8

## MULTI-REG NOZZLES

*For use when high and low pressures are needed and switching between a solid or a flat spray pattern without changing nozzle. Low pressure mode great for introduction of downstream chemicals.*

| ORDER # | PRESSURE | TEMP. | ORIFICE /COLOR | INLET | LENGTH | DIAMETER | WEIGHT |
|---|---|---|---|---|---|---|---|
| 200059630 | 3200 PSI | 300° F | 3.0 | 1/4" FPT | 3.75 in | 1.25 in | .34 lb |
| 200059635 | 3200 PSI | 300° F | 3.5 | 1/4" FPT | 3.75 in | 1.25 in | .34 lb |
| 200059640 | 3200 PSI | 300° F | 4.0 | 1/4" FPT | 3.75 in | 1.25 in | .34 lb |
| 200059645 | 3200 PSI | 300° F | 4.5 | 1/4" FPT | 3.75 in | 1.25 in | .34 lb |
| 200059650 | 3200 PSI | 300° F | 5.0 | 1/4" FPT | 3.75 in | 1.25 in | .34 lb |
| 200059655 | 3200 PSI | 300° F | 5.5 | 1/4" FPT | 3.75 in | 1.25 in | .34 lb |
| 200059660 | 3200 PSI | 300° F | 6.0 | 1/4" FPT | 3.75 in | 1.25 in | .34 lb |

Top View

- Quick and easy spray pattern adjustment from 0° solid stream to 80° flat spray with a simple twist of the nozzle head
- High/low feature allows for fast setting to high or low pressure mode
- Stainless steel fins. Cover made of special heavy-duty glass-filled plastics

## MULTI-REG NOZZLES *(high-low)*

*For use when high and low pressures are needed and switching between a solid or a flat spray pattern without changing nozzle. Low pressure mode great for introduction of downstream chemicals.*

| ORDER # | PRESSURE | TEMP. | ORIFICE | INLET | LENGTH | DIAMETER | WEIGHT |
|---|---|---|---|---|---|---|---|
| 200059920 | 3000 PSI | 140° F | 2.0 | 1/4" FPT | 4.25 in | 1.25 in | .34 lb |
| 200059935 | 3000 PSI | 140° F | 3.5 | 1/4" FPT | 4.25 in | 1.25 in | .34 lb |

- Quick and easy spray pattern adjustment from 0° solid stream to 80° flat spray with a simple twist of the nozzle head
- High/low feature allows for fast setting to high or low pressure mode
- Stainless steel fins. Cover made of special heavy-duty glass-filled plastics

***MULTI-REG SPRAY PATTERNS***

*0°* *40°* *80°*

## TURBO NOZZLE STRAINERS *(protects turbo nozzle)*

*Protects from dirt or other damaging particles from entering turbo nozzles*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | OUTLET | WEIGHT |
|---|---|---|---|---|---|---|
| 900000009 | 6000 PSI | 300° F | 8 GPM | 1/4" QC Plug | 1/4" MPT | .26 lb |
| 900000019 | 6000 PSI | 300° F | 8 GPM | 1/4" FPT | 1/4" MPT | .26 lb |

**Repair Kit:** #900000919

- Extends the life of your turbo nozzle
- #900000009 threads into turbo nozzle inlet and quick connects to lance with socket
- #900000019 threads into turbo nozzle inlet and lance outlet
- Cleanable screen

*Recommended use with Turbo Nozzles*

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## 1/2" TURBO NOZZLE STRAINER *(stainless steel)*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | OUTLET |
|---|---|---|---|---|---|
| 200033870 | 5000 PSI | 300° F | 16 GPM | 1/2" FPT | 1/2" MPT |

**Replacement screen:** #710100005

- Perfect for 1/2" turbo nozzles
- 1/2" M x F connection
- Protect your turbo nozzle investment

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## TURBO NOZZLE COVERS

*Minimum quantities required. Available in different colors for all Turbo Nozzles (excluding the ST-415)*

## NON-ROTATING MINI SEWER NOZZLE

| ORDER # | PRESSURE | O.D. | NOZZLE SIZE | REAR JETS | SIDE JETS | INLET |
|---|---|---|---|---|---|---|
| 120000380 | 7252 PSI | .39" | 030 | 3 | — | 1/16" F |
| 120001380 | 7252 PSI | .39" | 065 | 3 | — | 1/16" F |
| 120373373 | 7252 PSI | .39" | 065 | 3 | 3 | 1/16" F |

#120000380

#120373373

- (3) rear jets for maximum thrust
- (3) (90°) side jet option for powerful wall coverage
- Ideal for 1/2" - 1" diameter lines
- Stainless steel

## NON-ROTATING "COMPRESSOR" SEWER NOZZLE

| ORDER # | PRESSURE | O.D. | FLOW RATE | NOZZLE SIZE | FRONT JETS | REAR JETS | INLET |
|---|---|---|---|---|---|---|---|
| 120155375 | 7252 PSI | .59" | 4.5 GPM | 035 | 1 | 3 | 1/8" F |
| 10120045004 | 7252 PSI | .59" | 4.5 GPM | 045 | — | 4 | 1/8" F |
| 10120045103 | 7252 PSI | .59" | 4.5 GPM | 045 | 1 | 3 | 1/8" F |
| 10120055004 | 7252 PSI | .59" | 4.5 GPM | 055 | — | 4 | 1/8" F |
| 10120055103 | 7252 PSI | .59" | 4.5 GPM | 055 | 1 | 3 | 1/8" F |
| 10120080004 | 7252 PSI | .59" | 4.5 GPM | 080 | — | 4 | 1/8" F |
| 10120080103 | 7252 PSI | .59" | 4.5 GPM | 080 | 1 | 3 | 1/8" F |

- Compact design is ideal for maneuvering through tight elbows
- Front port blasts through roots, solid clogs, scale and ice
- Ideal for 1" - 3" diameter lines
- Hardened stainless steel

## NON-ROTATING "PREDATOR" SEWER NOZZLE

| ORDER # | PRESSURE | O.D. | FLOW RATE | NOZZLE SIZE | FRONT JETS | REAR JETS | INLET |
|---|---|---|---|---|---|---|---|
| 120163390 | 7252 PSI | .86" | 6.6 GPM | 045 | 1 | 3 | 1/4" F |

- Cone shape design is ideal for maneuvering through tight bends and traps
- Front jets for blasting through clogs
- (3) rear jets for a maximum thrust and cleaning impact
- Hardened stainless steel
- Ideal for 2" - 4" diameter lines

## NON-ROTATING "ROOT RAM" SEWER NOZZLE

| ORDER # | PRESSURE | O.D. | FLOW RATE | NOZZLE SIZE | FRONT JETS | REAR JETS | INLET |
|---|---|---|---|---|---|---|---|
| 120155672 | 7252 PSI | .86" | 7.9 GPM | 055 | 1 | 6 | 1/4" F |

- (3) rear (30°) jets and (3) rear (45°) for better drive and cleaning coverage
- Ideal for 2" - 4" lines
- Hardened stainless steel

## NON-ROTATING "GREASE BALL" SEWER NOZZLE

| ORDER # | PRESSURE | O.D. | NOZZLE SIZE | REAR JETS | INLET |
|---|---|---|---|---|---|
| 120000860 | 7252 PSI | 1" | 080 | 8 | 1/4" F |

- Designed for cleaning side wall debris and works well on roots
- Hardened stainless steel
- Ideal for 2" - 4" diameter lines
- Jets are recessed for damage protection

## NON-ROTATING "HYDRO MOLE" SEWER NOZZLE

| ORDER # | PRESSURE | O.D. | NOZZLE SIZE | FRONT JETS | REAR JETS | INLET |
|---|---|---|---|---|---|---|
| 120460385 | 7250 PSI | .86" | 070 | 4 | 3 | 1/4" F |

- 4 strong, concentrated forward jets for breaking through most any solid clog, including ice
- Ideal for 2" - 4" lines
- Nozzle jets are recessed for protection against physical impact

#120163391

#120000675

## NON-ROTATING "NEGOTIATOR" SEWER NOZZLE

| ORDER # | PRESSURE | O.D. | FLOW RATE | NOZZLE SIZE | FRONT JETS | REAR JETS | INLET |
|---|---|---|---|---|---|---|---|
| 120163391 | 7252 PSI | .86" | 7.9 GPM | 050 | 1 | 3 | 1/4" F |
| 120000675 | 7252 PSI | .86" | 7.9 GPM | 060 | — | 6 | 1/4" F |

- Compact design, ideal for tight elbows
- Hardened stainless steel
- Ideal for 2" - 4" diameter lines
- Available with 3 or 6 rear jets
- Also available with or without front jets

## NON-ROTATING "BALL TYPE" SEWER NOZZLE

| ORDER # | PRESSURE | O.D. | NOZZLE SIZE | FRONT JETS | REAR JETS | INLET |
|---|---|---|---|---|---|---|
| 122370000 | 4200 PSI | .59" | 035 | — | 3 | 1/8" F |
| 122365000 | 4200 PSI | .59" | 040 | — | 3 | 1/8" F |
| 122375000 | 4200 PSI | .59" | 045 | — | 3 | 1/8" F |
| 122390000 | 4200 PSI | .59" | 055 | — | 3 | 1/8" F |
| 122300000 | 4200 PSI | .59" | 060 | — | 3 | 1/8" F |
| 122320500 | 4200 PSI | .59" | 090 | — | 3 | 1/8" F |
| 122375175 | 4200 PSI | .59" | 050 | 1 | 3 | 1/8" F |
| 122370170 | 4200 PSI | .59" | 055 | 1 | 3 | 1/8" F |
| 122385185 | 4200 PSI | .59" | 060 | 1 | 3 | 1/8" F |
| 122390190 | 4200 PSI | .59" | 065 | 1 | 3 | 1/8" F |
| 122300100 | 4200 PSI | .59" | 075 | 1 | 3 | 1/8" F |
| 122320120 | 4200 PSI | .59" | 100 | 1 | 3 | 1/8" F |
| 900204012 | 4200 PSI | .59" | 120 | 1 | 3 | 1/8" F |
| 121370000 | 4200 PSI | .75" | 035 | — | 3 | 1/4" F |
| 121395000 | 4200 PSI | .75" | 040 | — | 3 | 1/4" F |
| 121380000 | 4200 PSI | .75" | 045 | — | 3 | 1/4" F |
| 121390000 | 4200 PSI | .75" | 050 | — | 3 | 1/4" F |
| 121480000 | 4200 PSI | .75" | 055 | — | 4 | 1/4" F |
| 121300000 | 4200 PSI | .75" | 060 | — | 3 | 1/4" F |
| 121312000 | 4200 PSI | .75" | 090 | — | 3 | 1/4" F |
| 121880000 | 4200 PSI | .75" | 120 | — | 8 | 1/4" F |
| 121360170 | 4200 PSI | .75" | 040 | 1 | 3 | 1/4" F |
| 121370170 | 4200 PSI | .75" | 045 | 1 | 3 | 1/4" F |
| 121375175 | 4200 PSI | .75" | 055 | 1 | 3 | 1/4" F |
| 121470170 | 4200 PSI | .75" | 060 | 1 | 4 | 1/4" F |
| 121390191 | 4200 PSI | .75" | 065 | 1 | 3 | 1/4" F |
| 121480180 | 4200 PSI | .75" | 075 | 1 | 4 | 1/4" F |
| 121395195 | 4200 PSI | .75" | 080 | 1 | 3 | 1/4" F |
| 121310000 | 4200 PSI | .75" | 090 | 1 | 3 | 1/4" F |
| 121320010 | 4200 PSI | .75" | 100 | 1 | 3 | 1/4" F |
| 121500100 | 4200 PSI | .75" | 100 | 1 | 5 | 1/4" F |
| 121320000 | 4200 PSI | .75" | 120 | 1 | 3 | 1/4" F |
| 123065184 | 4200 PSI | .920" | 070 | — | 4 | 3/8" F |
| 123065188 | 4200 PSI | .920" | 040 | 1 | 3 | 3/8" F |
| 123065187 | 4200 PSI | .920" | 055 | 1 | 3 | 3/8" F |
| 123065189 | 4200 PSI | .920" | 085 | 1 | 4 | 3/8" F |
| 123065186 | 4200 PSI | .920" | 120 | 1 | 4 | 3/8" F |
| 123065185 | 4200 PSI | .920" | 140 | 1 | 4 | 3/8" F |
| 123065182 | 4200 PSI | .920" | 150 | 1 | 4 | 3/8" F |
| 123065181 | 4200 PSI | .920" | 200 | 1 | 4 | 3/8" F |

1/8" ideal for 1" - 3" lines

1/4" ideal for 2" - 4" lines

3/8" ideal for 4" - 8" lines

- Nozzles with forward ports blast through and break up clogs
- Rear ports thrust nozzle forward and flush debris
- Great cornering ability
- Stainless steel
- Size stamped nozzle

## NON-ROTATING "BULLET" SEWER NOZZLE

1/4" ideal for 2" - 4" lines

3/8" ideal for 4" - 8" lines

| ORDER # | PRESSURE | O.D. | NOZZLE SIZE | FRONT JETS | REAR JETS | INLET |
|---|---|---|---|---|---|---|
| 649030216040 | 7252 PSI | .98" | 040 | None | 6 | 1/4" F |
| 649030216045 | 7252 PSI | .98" | 045 | 1 | 6 | 1/4" F |
| 649030216055 | 7252 PSI | .98" | 055 | 1 | 6 | 1/4" F |
| 649030216060 | 7252 PSI | .98" | 060 | 1 or None | 6 | 1/4" F |
| 649030216070 | 7252 PSI | .98" | 070 | 1 | 6 | 1/4" F |
| 649030216080 | 7252 PSI | .98" | 080 | 1 or None | 6 | 1/4" F |
| 649030216081 | 7252 PSI | .98" | 080 | 1 | 6 | 1/4" F |
| 649030216085 | 7252 PSI | .98" | 085 | 1 | 6 | 1/4" F |
| 649030216100 | 7252 PSI | .98" | 100 | 1 | 6 | 1/4" F |
| 649030216120 | 7252 PSI | .98" | 120 | 1 or None | 6 | 1/4" F |
| 649030216121 | 7252 PSI | .98" | 120 | 0 | 6 | 1/4" F |
| 649030216150 | 7252 PSI | .98" | 150 | 1 | 6 | 1/4" F |
| 649030216161 | 7252 PSI | .98" | 160 | 0 | 6 | 1/4" F |
| 649030216180 | 7252 PSI | .98" | 180 | 1 | 6 | 1/4" F |
| 649030216200 | 7252 PSI | .98" | 200 | 1 or None | 6 | 1/4" F |
| 649030216250 | 7252 PSI | .98" | 250 | 1 | 6 | 1/4" F |
| 649030314045 | 7252 PSI | 1.18" | 045 | 1 | 4 | 3/8" F |
| 649030314050 | 7252 PSI | 1.18" | 050 | 1 | 4 | 3/8" F |
| 649030314055 | 7252 PSI | 1.18" | 055 | 1 | 4 | 3/8" F |
| 649030314060 | 7252 PSI | 1.18" | 060 | 1 | 4 | 3/8" F |
| 649030314061 | 7252 PSI | 1.18" | 060 | 0 | 4 | 3/8" F |
| 649030314065 | 7252 PSI | 1.18" | 065 | 1 | 4 | 3/8" F |
| 649030314080 | 7252 PSI | 1.18" | 080 | 1 | 4 | 3/8" F |
| 649030314081 | 7252 PSI | 1.18" | 080 | 0 | 4 | 3/8" F |
| 649030314100 | 7252 PSI | 1.18" | 100 | 1 | 4 | 3/8" F |
| 649030314101 | 7252 PSI | 1.18" | 100 | 0 | 4 | 3/8" F |
| 649030314120 | 7252 PSI | 1.18" | 120 | 1 or None | 4 | 3/8" F |
| 649030314150 | 7252 PSI | 1.18" | 150 | 1 | 4 | 3/8" F |
| 649030314200 | 7252 PSI | 1.18" | 200 | 1 | 4 | 3/8" F |
| 649030316050 | 7252 PSI | .98" | 050 | 1 | 6 | 3/8" F |
| 649030316060 | 7252 PSI | .98" | 060 | 1 or None | 6 | 3/8" F |
| 649030316061 | 7252 PSI | .98" | 060 | 0 | 6 | 3/8" F |
| 649030316065 | 7252 PSI | .98" | 065 | 1 | 6 | 3/8" F |
| 649030316080 | 7252 PSI | .98" | 080 | 1 or None | 6 | 3/8" F |
| 649030316081 | 7252 PSI | .98" | 080 | 0 | 6 | 3/8" F |
| 649030316100 | 7252 PSI | .98" | 100 | 1 | 6 | 3/8" F |
| 649030316120 | 7252 PSI | .98" | 120 | 1 or None | 6 | 3/8" F |
| 649030316121 | 7252 PSI | .98" | 120 | 0 | 6 | 3/8" F |
| 649030316140 | 7252 PSI | .98" | 140 | 1 | 6 | 3/8" F |
| 649030316150 | 7252 PSI | .98" | 150 | 1 | 6 | 3/8" F |
| 649030316200 | 7252 PSI | .98" | 200 | 1 or None | 6 | 3/8" F |
| 649030316250 | 7252 PSI | .98" | 250 | 1 | 6 | 3/8" F |

- Made of wear resistant stainless steel
- Available with or without front jets
- Sturdy wall thickness
- All ports are hardened stainless steel inserts, precisely drilled for efficiency
- Ideal for removing sludge and silt; and blasting through frozen clogs

## NON-ROTATING "BULLET" SEWER NOZZLE

| ORDER # | PRESSURE | O.D. | NOZZLE SIZE | FRONT JETS | REAR JETS | INLET |
|---|---|---|---|---|---|---|
| 649030416041 | 7252 PSI | 1.18" | 040 | 1 | 6 | 1/2" F |
| 649030416045 | 7252 PSI | 1.18" | 045 | 1 | 6 | 1/2" F |
| 649030416060 | 7252 PSI | 1.18" | 060 | 1 or None | 6 | 1/2" F |
| 649040416075 | 7252 PSI | 1.18" | 075 | 1 | 6 | 1/2" F |
| 649030416080 | 7252 PSI | 1.18" | 080 | 1 or None | 6 | 1/2" F |
| 649030416081 | 7252 PSI | 1.18" | 080 | 0 | 6 | 1/2" F |
| 649030416100 | 7252 PSI | 1.18" | 100 | 1 | 6 | 1/2" F |
| 649030416120 | 7252 PSI | 1.18" | 120 | 1 or None | 6 | 1/2" F |
| 649030416121 | 7252 PSI | 1.18" | 120 | 0 | 6 | 1/2" F |
| 649030416140 | 7252 PSI | 1.18" | 140 | 1 | 6 | 1/2" F |
| 649030416150 | 7252 PSI | 1.18" | 150 | 1 | 6 | 1/2" F |
| 649030416151 | 7252 PSI | 1.18" | 150 | 0 | 6 | 1/2" F |
| 649030416180 | 7252 PSI | 1.18" | 180 | 1 | 6 | 1/2" F |
| 649030416200 | 7252 PSI | 1.18" | 200 | 1 or None | 6 | 1/2" F |
| 649030416201 | 7252 PSI | 1.18" | 200 | 0 | 6 | 1/2" F |
| 649030415280 | 7252 PSI | 1.18" | 280 | 0 | 6 | 1/2" F |
| 649030416280 | 7252 PSI | 1.18" | 280 | 1 | 6 | 1/2" F |
| 649030416355 | 7252 PSI | 1.18" | 355 | 0 | 6 | 1/2" F |
| 649030416615 | 7252 PSI | 1.18" | 615 | 1 | 6 | 1/2" F |
| 652200040400 | 7252 PSI | 2.76" | 400 | 0 | 6 | 3/4" F |
| 652200040401 | 7252 PSI | 2.76" | 400 | 1 | 6 | 3/4" F |
| 652200040450 | 7252 PSI | 2.76" | 450 | 1 | 6 | 3/4" F |
| 652200030470 | 7252 PSI | 2.76" | 470 | 1 | 6 | 3/4" F |
| 652200040470 | 7252 PSI | 2.76" | 470 | 0 | 6 | 3/4" F |
| 652200030615 | 7252 PSI | 2.76" | 615 | 1 | 6 | 3/4" F |
| 652200060230 | 7252 PSI | 2.95" | 230 | 1 | 8 | 1" F |
| 652200060650 | 7252 PSI | 2.95" | 650 | 1 | 8 | 1" F |
| 652200050750 | 7252 PSI | 2.95" | 700 | 0 | 8 | 1" F |
| 652200060750 | 7252 PSI | 2.95" | 750 | 1 | 8 | 1" F |

1/2" ideal for 6"-12" lines

3/4" ideal for 12"-20" lines

1" ideal for 20"-28" lines

- Made of wear resistant stainless steel
- Available with or without front jets
- Sturdy wall thickness
- All ports are hardened stainless steel inserts, precisely drilled for efficiency
- Ideal for removing sludge and silt; and blasting through frozen clogs

- 1/4" ideal for 2" - 4" lines
- 3/8" ideal for 4" - 8" lines
- 1/2" ideal for 6" - 12" lines
- 3/4" ideal for 12" - 20" lines

## WARHEAD RADIAL NOZZLES

| ORDER # | PRESSURE | NOZZLE SIZE | FRONT JETS | SIDE JETS | REAR JETS | INLET |
|---|---|---|---|---|---|---|
| 649110219065 | 7250 PSI | 065 | 1 | 6 | 3 | 1/4" F |
| 649110219080 | 7250 PSI | 080 | 1 | 6 | 3 | 1/4" F |
| 649110219100 | 7250 PSI | 100 | 1 | 6 | 3 | 1/4" F |
| 649110219120 | 7250 PSI | 120 | 1 | 6 | 3 | 1/4" F |
| 649110219150 | 7250 PSI | 150 | 1 | 6 | 3 | 1/4" F |
| 649110219200 | 7250 PSI | 200 | 1 | 6 | 3 | 1/4" F |
| 649110319065 | 7250 PSI | 065 | 1 | 6 | 3 | 3/8" F |
| 649110319080 | 7250 PSI | 080 | 1 | 6 | 3 | 3/8" F |
| 649110319100 | 7250 PSI | 100 | 1 | 6 | 3 | 3/8" F |
| 649110319120 | 7250 PSI | 120 | 1 | 6 | 3 | 3/8" F |
| 649110319150 | 7250 PSI | 150 | 1 | 6 | 3 | 3/8" F |
| 649110319200 | 7250 PSI | 200 | 1 | 6 | 3 | 3/8" F |
| 649110419080 | 7250 PSI | 080 | 1 | 6 | 3 | 1/2" F |
| 649110419100 | 7250 PSI | 100 | 1 | 6 | 3 | 1/2" F |
| 649110419120 | 7250 PSI | 120 | 1 | 6 | 3 | 1/2" F |
| 649110419150 | 7250 PSI | 150 | 1 | 6 | 3 | 1/2" F |
| 649110419200 | 7250 PSI | 200 | 1 | 6 | 3 | 1/2" F |
| 649110419250 | 7250 PSI | 250 | 1 | 6 | 3 | 1/2" F |
| 649110519450 | 7250 PSI | 450 | 1 | 6 | 3 | 3/4" F |

- Made of wear resistant hardened stainless steel
- All ports are hardened stainless steel for efficiency
- Improved sidewall cleaning
- Great for sanitary applications
- Ideal for removing hard grease and scale

- 1/4" ideal for 2" - 4" lines
- 3/8" ideal for 4" - 8" lines

## WARHEAD NOZZLES

| ORDER # | PRESSURE | NOZZLE SIZE | FRONT JETS | REAR JETS | INLET |
|---|---|---|---|---|---|
| 649120216065 | 7250 PSI | 065 | 1 | 6 | 1/4" F |
| 649120216080 | 7250 PSI | 080 | 1 | 6 | 1/4" F |
| 649120216100 | 7250 PSI | 100 | 1 | 6 | 1/4" F |
| 649120216120 | 7250 PSI | 120 | 1 | 6 | 1/4" F |
| 649120216150 | 7250 PSI | 150 | 1 | 6 | 1/4" F |
| 649120216200 | 7250 PSI | 200 | 1 | 6 | 1/4" F |
| 649120316040 | 7250 PSI | 040 | 1 | 6 | 3/8" F |
| 649120316065 | 7250 PSI | 065 | 1 | 6 | 3/8" F |
| 649120316080 | 7250 PSI | 080 | 1 | 6 | 3/8" F |
| 649120316100 | 7250 PSI | 100 | 1 | 6 | 3/8" F |
| 649120316120 | 7250 PSI | 120 | 1 | 6 | 3/8" F |
| 649120316150 | 7250 PSI | 150 | 1 | 6 | 3/8" F |
| 649120316200 | 7250 PSI | 200 | 1 | 6 | 3/8" F |

- Made of wear resistant hardened stainless steel
- All ports are hardened stainless steel for efficiency
- Great for sanitary applications
- Ideal for removing hard grease and scale

## WARHEAD NOZZLES

| ORDER # | PRESSURE | NOZZLE SIZE | FRONT JETS | REAR JETS | INLET |
|---|---|---|---|---|---|
| 649120416080 | 7250 PSI | 080 | 1 | 6 | 1/2" F |
| 649120416100 | 7250 PSI | 100 | 1 | 6 | 1/2" F |
| 649120416120 | 7250 PSI | 120 | 1 | 6 | 1/2" F |
| 649120416150 | 7250 PSI | 150 | 1 | 6 | 1/2" F |
| 649120416200 | 7250 PSI | 200 | 1 | 6 | 1/2" F |
| 649120416250 | 7250 PSI | 250 | 1 | 6 | 1/2" F |
| 649120618100 | 7250 PSI | 100 | 1 | 8 | 1" F |

- 1/2" ideal for 6" - 12" lines
- 1" ideal for 20" - 28" lines

- Made of wear resistant hardened stainless steel
- All ports are hardened stainless steel for efficiency
- Great for sanitary applications
- Ideal for removing hard grease and scale

## VIBRATING ROTATING NOZZLE

| ORDER # | PRESSURE | O.D. | REAR JETS | SIDE JETS | INLET |
|---|---|---|---|---|---|
| 200049671xxx | 3625 PSI | 1.18" | 4 | 3 | 1/4" F |
| 200049676xxx | 3625 PSI | 1.18" | 4 | 3 | 3/8" F |
| 200049681xxx | 3625 PSI | 1.50" | 5 | 3 | 1/2" F |
| 200049686xxx | 3625 PSI | 1.50" | 6 | 3 | 3/4" F |

- Stainless steel and brass construction

## ST-49 ROTATING SEWER NOZZLE

| ORDER # | PRESSURE | O.D. | FLOW RATE | NOZZLE SIZE | REAR JETS | SIDE JETS | INLET |
|---|---|---|---|---|---|---|---|
| 200049950 | 7252 PSI | .47" | 6.6 GPM | 050 | 2 | 2 | 1/8" FBSP |
| 200049970 | 7252 PSI | .47" | 9.2 GPM | 070 | 2 | 2 | 1/8" FBSP |
| 200049951 | 7252 PSI | .47" | 6.6 GPM | 050 | 2 | 2 | 1/8" FPT |
| 200049971 | 7252 PSI | .47" | 9.2 GPM | 070 | 2 | 2 | 1/8" FPT |

#200049950

- Hardened stainless steel
- Excellent interior cleaning nozzle
- Slower rotor speed for higher cleaning performance
- Ideal for cleaning heat exchange tubes

## ST-49 ROTATING SEWER NOZZLE

| ORDER # | PRESSURE | O.D. | NOZZLE SIZE | FRONT JETS | REAR JETS | SIDE JETS | INLET |
|---|---|---|---|---|---|---|---|
| 200049825 | 4000 PSI | .74" | 045 | None | 3 | None | 1/8" F |
| 200049830 | 4000 PSI | .74" | 050 | None | 3 | None | 1/8" F |
| 200049650 | 4000 PSI | .74" | 055 | None | 3 | None | 1/8" F |
| 200049840 | 4000 PSI | .74" | 060 | None | 3 | None | 1/8" F |
| 200049845 | 4000 PSI | .74" | 070 | None | 3 | None | 1/8" F |
| 200049850 | 4000 PSI | .74" | 080 | None | 3 | None | 1/8" F |
| 200049794 | 4000 PSI | .74" | 040 | None | 3 | None | 1/4" F |
| 200049795 | 4000 PSI | .74" | 045 | None | 3 | None | 1/4" F |
| 200049800 | 4000 PSI | .74" | 050 | None | 3 | None | 1/4" F |
| 200049600 | 4000 PSI | .74" | 055 | None | 3 | None | 1/4" F |
| 200049810 | 4000 PSI | .74" | 060 | None | 3 | None | 1/4" F |
| 200049815 | 4000 PSI | .74" | 070 | None | 3 | None | 1/4" F |
| 200049610 | 4000 PSI | .74" | 080 | None | 3 | None | 1/4" F |
| 200049700 | 4000 PSI | .74" | 055 | None | None | 2 | 1/4" F |
| 200065161 | 4000 PSI | .74" | 090 | None | 3 | 2 | 1/4" F |
| 200065162 | 4000 PSI | .74" | 120 | 3 | 3 | 2 | 1/4" F |
| 200049860 | 4000 PSI | .94" | 040 | None | 3 | None | 3/8" F |
| 200049870 | 4000 PSI | .94" | 045 | None | 3 | None | 3/8" F |
| 200049880 | 4000 PSI | .94" | 050 | None | 3 | None | 3/8" F |
| 200049890 | 4000 PSI | .94" | 060 | None | 3 | None | 3/8" F |
| 200049885 | 4001 PSI | .94" | 065 | None | 3 | None | 3/8" F |
| 200049891 | 4000 PSI | .94" | 080 | None | 3 | None | 3/8" F |
| 200049892 | 4000 PSI | .94" | 100 | None | 3 | None | 3/8" F |
| 200049893 | 4000 PSI | .94" | 120 | None | 3 | None | 3/8" F |
| 200049894 | 4000 PSI | .94" | 150 | None | 3 | None | 3/8" F |
| 200049895 | 4000 PSI | .94" | 200 | None | 4 | None | 3/8" F |
| 200049896 | 4000 PSI | .94" | 100 | 1 | 3 | None | 3/8" F |
| 200049897 | 4000 PSI | .94" | 120 | 1 | 3 | None | 3/8" F |
| 200049898 | 4000 PSI | .94" | 150 | 1 | 3 | None | 3/8" F |
| 200049899 | 4000 PSI | .94" | 180 | 1 | 3 | None | 3/8" F |

- Brass and stainless construction
- Ideal for cleaning or flushing pipes
- Size stamped on nozzle
- 1/8" ideal for 1"-3" lines
- 1/4" ideal for 2"-4" lines
- 3/8" ideal for 4"-8" lines

## NON-ROTATING "MILLING" SEWER NOZZLE

| ORDER # | PRESSURE | O.D. | NOZZLE SIZE | FRONT JETS | REAR JETS | INLET |
|---|---|---|---|---|---|---|
| 649010234040 | 5076 PSI | .95" | 040 | 3 | 4 | 1/4" F |
| 649010234045 | 5076 PSI | .95" | 045 | 3 | 4 | 1/4" F |
| 649010234050 | 5076 PSI | .95" | 050 | 3 | 4 | 1/4" F |
| 649010234055 | 5076 PSI | .95" | 055 | 3 | 4 | 1/4" F |
| 649010244060 | 5076 PSI | .95" | 060 | 3 or 4 | 4 | 1/4" F |
| 649010244061 | 5076 PSI | .95" | 060 | 3 | 4 | 1/4" F |
| 649010244070 | 5076 PSI | .95" | 070 | 3 or 4 | 4 | 1/4" F |
| 649010244080 | 5076 PSI | .95" | 080 | 3 or 4 | 4 | 1/4" F |
| 649010244081 | 5076 PSI | .95" | 080 | 3 | 4 | 1/4" F |
| 649010244085 | 5076 PSI | .95" | 085 | 4 | 4 | 1/4" F |
| 649010244100 | 5076 PSI | .95" | 100 | 4 | 4 | 1/4" F |
| 649010244101 | 5076 PSI | .95" | 100 | 3 | 4 | 1/4" F |
| 649010244120 | 5076 PSI | .95" | 120 | 3 or 4 | 4 | 1/4" F |
| 649010244150 | 5076 PSI | .95" | 150 | 4 | 4 | 1/4" F |
| 649010244200 | 5076 PSI | .95" | 200 | 4 | 4 | 1/4" F |
| 649010336055 | 5076 PSI | 1.11" | 055 | 3 | 6 | 3/8" F |
| 649010346070 | 5076 PSI | 1.11" | 070 | 4 | 6 | 3/8" F |
| 649010346071 | 5076 PSI | 1.11" | 070 | 3 | 6 | 3/8" F |
| 649010346080 | 5076 PSI | 1.11" | 080 | 4 | 6 | 3/8" F |
| 649010346081 | 5076 PSI | 1.11" | 080 | 3 | 6 | 3/8" F |
| 649010346085 | 5076 PSI | 1.11" | 085 | 3 | 6 | 3/8" F |
| 649010346090 | 5076 PSI | 1.11" | 090 | 4 | 6 | 3/8" F |
| 649010346100 | 5076 PSI | 1.11" | 100 | 4 | 6 | 3/8" F |
| 649010346101 | 5076 PSI | 1.11" | 100 | 3 | 6 | 3/8" F |
| 649010346120 | 5076 PSI | 1.11" | 120 | 3 or 4 | 6 | 3/8" F |
| 649010346150 | 5076 PSI | 1.11" | 150 | 4 | 6 | 3/8" F |
| 649010346200 | 5076 PSI | 1.11" | 200 | 3 or 4 | 6 | 3/8" F |
| 649010346250 | 5076 PSI | 1.11" | 250 | 4 | 6 | 3/8" F |
| 649010346270 | 5076 PSI | 1.11" | 270 | 4 | 6 | 3/8" F |
| 649010446070 | 5076 PSI | 1.23" | 070 | 3 | 6 | 1/2" F |
| 649010446075 | 5076 PSI | 1.23" | 075 | 4 | 6 | 1/2" F |
| 649010446080 | 5076 PSI | 1.23" | 080 | 4 | 6 | 1/2" F |
| 649010446081 | 5076 PSI | 1.23" | 080 | 3 | 6 | 1/2" F |
| 649010446100 | 5076 PSI | 1.23" | 100 | 3 or 4 | 6 | 1/2" F |
| 649010446120 | 5076 PSI | 1.23" | 120 | 3 or 4 | 6 | 1/2" F |
| 649010446150 | 5076 PSI | 1.23" | 150 | 4 | 6 | 1/2" F |
| 649010446180 | 5076 PSI | 1.23" | 180 | 4 | 6 | 1/2" F |
| 649010446200 | 5076 PSI | 1.23" | 200 | 4 | 6 | 1/2" F |
| 649010446201 | 5076 PSI | 1.23" | 200 | 3 | 6 | 1/2" F |
| 649010446250 | 5076 PSI | 1.23" | 250 | 4 | 6 | 1/2" F |
| 649010446310 | 5076 PSI | 1.23" | 310 | 4 | 6 | 1/2" F |
| 649010446311 | 5076 PSI | 1.23" | 310 | 3 | 6 | 1/2" F |
| 649010446495 | 5076 PSI | 1.23" | 495 | 4 | 6 | 1/2" F |

Spike available for front port #040075090

1/4" ideal for 2" - 4" lines

3/8" ideal for 4" - 8" lines

1/2" ideal for 6" - 12" lines

- Sharp cutting edges and forward tearing jets tear through almost any clog
- Ports are hardened stainless steel insert type with precision port
- Works well for lines with roots
- Hardened stainless steel body

3/4" ideal for 12" - 20" lines

1" ideal for 20" - 28" lines

## NON-ROTATING "MILLING" SEWER NOZZLE *continued*

| ORDER # | PRESSURE | O.D. | NOZZLE SIZE | FRONT JETS | REAR JETS | INLET |
|---|---|---|---|---|---|---|
| 652300040400 | 5076 PSI | 1.50" | 400 | 3 | 6 | 3/4" F |
| 652300040401 | 5076 PSI | 1.50" | 400 | 4 | 6 | 3/4" F |
| 652300040450 | 5076 PSI | 1.50" | 450 | 4 | 6 | 3/4" F |
| 652300040580 | 5076 PSI | 1.50" | 580 | 4 | 6 | 3/4" F |
| 652300040680 | 5076 PSI | 1.50" | 680 | 4 | 6 | 3/4" F |
| 652300050750 | 5076 PSI | 1.96" | 750 | 3 or 4 | 9 | 1" F |

- Sharp cutting edges and forward tearing jets tear through almost any clog
- Ports are hardened stainless steel insert type with precision port
- Works well for lines with roots
- Hardened stainless steel body

## SEWER JETTING TURBO NOZZLE

Front

Rear

#200358681

| ORDER # | PRESSURE | TEMP. | ORIFICE | FRONT JETS | REAR JETS | INLET | WEIGHT |
|---|---|---|---|---|---|---|---|
| 200358651 | 5070 PSI | 212° F | 5.0 | 1 | 5 | 1/4" F | .61 lb |
| 200358661 | 5070 PSI | 212° F | 6.0 | 1 | 6 | 1/4" F | .61 lb |
| 200358681 | 5070 PSI | 212° F | 8.0 | 1 | 8 | 1/4" F | .61 lb |

- Precision drilled rear drive jets
- All stainless steel construction
- Great nozzle for cutting, cleaning and removal

## DUAL TURBO NOZZLE DRIVER

| ORDER # | PRESSURE | O.D. | OUTLET | INLET |
|---|---|---|---|---|
| 200049410 | 3625 PSI | 3.46" | 2 x 1/4" M | 3/8" F |

- Use with Suttner turbo nozzles
- Brass body with stainless steel male 1/4" connections
- Excellent choice for flushing silt and debris from sewer main lines

shown here with turbo nozzles (not included)

## DUAL MEG NOZZLE DRIVER

| ORDER # | PRESSURE | O.D. | OUTLET | INLET |
|---|---|---|---|---|
| 010000399 | 6000 PSI | 2.83" | 2 x 1/4" FPT | 1/2" F |

- Use with (2) rear facing fan jet meg nozzles
- Brass body
- Great choice for flushing sewer mainlines

shown with here Meg nozzles (not included)

## SINGLE TURBO NOZZLE DRIVER

| ORDER # | PRESSURE | O.D. | OUTLET | INLET |
|---|---|---|---|---|
| 200049400 | 5800 PSI | 2.0625" | 1/4" M | 1/4" F |

- Use with Suttner turbo nozzles
- Hardened stainless steel
- Fine choice for cutting and flushing roots

Shown here with Turbo nozzle (not included)

## TURBO NOZZLE DRIVERS

| ORDER # | PRESSURE | O.D. | NOZZLE SIZE | REAR JETS | INLET | RECOMMENDED TURBO NOZZLE |
|---|---|---|---|---|---|---|
| 649081206065 | 5076 PSI | 1.13" | 065 | 6 | 1/4" F | ST-357 or ST-456 |
| 649081206080 | 5076 PSI | 1.13" | 080 | 4 | 1/4" F | ST-357 or ST-456 |
| 649081306065 | 5076 PSI | 1.19" | 065 | 6 | 3/8" F | ST-357 or ST-456 |
| 649081306080 | 5076 PSI | 1.19" | 080 | 4 | 3/8" F | ST-357 or ST-456 |
| 649081306090 | 5076 PSI | 1.19" | 090 | 6 | 3/8" F | ST-357 or ST-456 |
| 649081406010 | 5076 PSI | 1.19" | 100 | 6 | 3/8" F | ST-357 or ST-456 |
| 649081306120 | 5076 PSI | 1.19" | 120 | 6 | 3/8" F | ST-357 or ST-456 |
| 649082306480 | 6000 PSI | 1.19" | 480 | 6 | 3/8" F | ST-457 |
| 649082406065 | 7252 PSI | 1.44" | 065 | 6 | 1/2" F | ST-457 or ST-559 |
| 649082406100 | 7252 PSI | 1.44" | 100 | 6 | 1/2" F | ST-457 or ST-559 |
| 649082406115 | 6000 PSI | 1.44" | 115 | 6 | 1/2" F | ST-457 |
| 649082406120 | 7252 PSI | 1.44" | 120 | 6 | 1/2" F | ST-457 or ST-559 |
| 649082406150 | 7252 PSI | 1.44" | 150 | 6 | 1/2" F | ST-457 or ST-559 |
| 649082406170 | 6000 PSI | 1.44" | 170 | 6 | 1/2" F | ST-456 or ST-457 |
| 649082406180 | 6000 PSI | 1.44" | 180 | 4 | 1/2" F | ST-456 or ST-457 |
| 649082406200 | 6000 PSI | 1.44" | 200 | 6 | 1/2" F | ST-457 |
| 649082406250 | 6000 PSI | 1.44" | 250 | 6 | 1/2" F | ST-456 or ST-457 |
| 649082406300 | 6000 PSI | 1.44" | 300 | 6 | 1/2" F | ST-457 |

Inserts included

*1/4"*

*3/8" and 1/2"*

- Stainless steel turbo nozzle driver
- Ideal for thrusting turbo nozzles into sewer lines for root cutting and forward sidewall blasting
- ***Each part number includes the body and inserts, not the turbo nozzle***

Shown here with turbo nozzle

***Disclaimer: Turbo Nozzle Drivers are NOT sold separately. Must use with Suttner turbo nozzle.***

# HOSES


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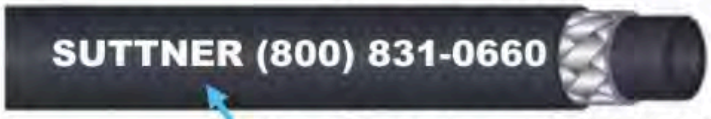
# Promote your company with Private Label Hoses

***COMPANY NAME***

***& INFORMATION HERE***




***Actual font size on layline: Arial Black, 16 pt.***

### *Layline Options:*

- Colored background with one color text or logo
- One color text or logo

- Available on all of Suttner's high pressure hose, bulk reels and assemblies, *except the SST hose*
- Minimum order is ***10,000 feet* per hose style**
  - Example: Order (50) of 100 ft. assemblies ***and***
  - (100) of 50 ft. assemblies to total 10,000 feet
- Available in all standard hose colors
- Full line of two piece crimp fittings available
- Designed for commercial pressure washing applications
- Available in 3000, 4000, & 6000 PSI hoses
- Available in 1/4", 3/8", and 1/2" hoses
- Temperature: -15° F to 250° F
- Chemical and heat resistant rubber inner tube
- Synthetic rubber cover

SUTTNER AMERICA

## WATER SUPPLY HOSES

| ORDER # | I.D. | O.D. | LENGTH | WEIGHT | BOX QTY |
|---|---|---|---|---|---|
| B3V25050 | 5/8" | .88" | 50 ft | 12.8 lb | 4 |
| B3V25100 | 5/8" | .88" | 100 ft | 32.95 lb | 2 |
| B3V25150 | 5/8" | .88" | 150 ft | 37.75 lb | 1 |
| B3V23050 | 3/4" | 1.125" | 50 ft | 18 lb | 3 |
| B3V23100 | 3/4" | 1.125" | 100 ft | 35.8 lb | 2 |
| B3V23150 | 3/4" | 1.125" | 150 ft | 54 lb | 1 |

| PRESSURE | TEMP. | FITTINGS |
|---|---|---|
| 200 PSI | 200° F | 3/4 MGHT x 3/4 FGHT |

- Black bend guard on female end
- EPDM tube and cover
- Textile cord reinforced
- Resistant to heat, sunlight, ozone and weathering
- Excellent abrasion resistance
- Crimped on, crush resistant brass garden hose connections
- Designed specifically for supply water to pressure washer inlet

## CONSUMER HOSES

*Perfect hose for consumer/DIY pressure washers*

| ORDER # | PRESSURE | FITTINGS | LENGTH | WEIGHT | BOX QTY |
|---|---|---|---|---|---|
| 080032008 | 3200 PSI | M22 x M22 | 25 ft | 1.64 lb | 16 |
| 080032010 | 3000 PSI | 1/4" FBSP Swivel Nut x M22 | 25 ft | 1.64 lb | 16 |
| 080032015 | 3000 PSI | 3/8" M x M22 Screw Coupling | 50 ft | 3.28 lb | 10 |
| 080032020 | 3200 PSI | M22 x M22 | 50 ft | 3.28 lb | 10 |

| TEMP. | I.D. | O.D. |
|---|---|---|
| 140° F | 1/4" | .44" |

M22 x M22

3/8" Male x M22

1/4" FBSP Swivel x M22

- Designed for cold water consumer gas and electric pressure washers
- Reinforced with one layer of polyester braid
- Smooth thermo plastic non-marking cover
- Resistant to cleaning detergents

## 5/16" SINGLE WIRE 4000 PSI HOSES

| ORDER # | FITTINGS | LENGTH | WEIGHT | BOX QTY |
|---|---|---|---|---|
| B3V45025 | 3/8" MPT x M swivel | 25 ft | 4.3 lb | 10 |
| B3V45026 | M22 x 3/8" M swivel | 25 ft | 5 lb | 7 |
| B3V45035 | M22 x M22 | 25 ft | 4.3 lb | 10 |
| B3V45040 | 3/8" QC Socket/Plug | 25 ft | 5 lb | 10 |
| B3V45050 | 3/8" MPT x M swivel | 50 ft | 8.5 lb | 5 |
| B3V45055 | M22 x M22 swivel | 50 ft | 9 lb | 5 |
| B3V45075 | M22 x M22 | 50 ft | 8.5 lb | 5 |

| PRESSURE | TEMP. | I.D. | O.D. |
|---|---|---|---|
| 4000 PSI | -15° F to 250° F | 5/16" | .65" |

3/8" QC Socket/Plug

M22 x 3/8" M swivel

M22 x M22

3/8" MPT x M swivel

- Reinforced with one layer of high tensile steel wire
- Heat resistant synthetic rubber inner tube
- Wrapped abrasion resistant synthetic cover
- Suitable for consumer and commercial pressure washers
- Black bend guards on each end
- Lighter weight wire braided rubber alternative

### REPAIR YOUR OWN HOSE *(fittings & ferrules)*

***Note: each fitting requires a crimp ferrule***

| ORDER # | DESCRIPTION | SIZE | WEIGHT | COLOR | BOX QTY |
|---|---|---|---|---|---|
| B3R45050 | Bulk Hose | 500 ft reel | 90 lb | Black | 1 |
| 899400016 | Zinc Crimp Ferrule | 16.3 mm ± 0.3 mm | — | — | 25 |
| 898400616 | Zinc Fitting | 3/8" MPT x Barb | 2.8 oz | — | 25 |
| 898400618 | Zinc Fitting | 3/8" MPT x Barb Swivel | 3.8 oz | — | 25 |
| 898400622 | Brass/Plated Steel | M22 | 3.8 oz | — | 25 |
| 080030816 | Rubber Bend Restrictors | For 5/16" Hose | — | Black | 25 |

Swivel

Solid

3/8" MPT x M Swivel

## 5/16" DOUBLE WIRE 6000 PSI BULK REEL HOSES

| ORDER # | FITTINGS | LENGTH | WEIGHT | COLOR |
|---|---|---|---|---|
| B3R45105 | M22 x M22 | 500 ft | 73 lb | Black |
| B3R45106 | 3/8" MPT x M Swivel | 656 ft | 95 lb | Gray |

| PRESSURE | TEMP. | I.D. | O.D. |
|---|---|---|---|
| 6000 PSI | -15° F to 250° F | 5/16" | .672" |

- Double wire braided rubber hose
- Heat resistant synthetic rubber inner tube
- Suitable for consumer and commercial pressure washers
- Lighter weight wire braided rubber alternative
- Wrapped abrasion resistant synthetic cover

Crimp Ferrule

Swivel

Solid

**REPAIR YOUR OWN HOSE** *(fittings & ferrules)*

***Note: each fitting requires a crimp ferrule***

| ORDER # | DESCRIPTION | SIZE | WEIGHT | COLOR | BOX QTY |
|---|---|---|---|---|---|
| 899600016 | Zinc Crimp Ferrule | 18.50 mm - 19.00 mm | — | — | 25 |
| 898400616 | Zinc Fitting | 3/8" MPT x Barb | 2.8 oz | — | 25 |
| 898400618 | Zinc Fitting | 3/8" MPT x Barb Swivel | 3.8 oz | — | 25 |
| 898400622 | Brass/Plated Steel | M22 | 3.8 oz | — | 25 |
| 080030817 | Rubber Bend Restrictors | For 5/16" Hose | — | Red | 25 |

# Sewer Hose & Accessories

***see pages 87 through 90***

## 3/8" SINGLE WIRE 4000 PSI HOSES

| ORDER # | COLOR | FITTINGS | LENGTH | WEIGHT | BOX QTY |
|---|---|---|---|---|---|
| B3V00340 | Black | 3/8" MPT x M Swivel | 25 ft | 4.57 lb | 6 |
| B3V00341 | Gray | 3/8" MPT x M Swivel | 25 ft | 4.57 lb | 6 |
| B3V00350 | Black | 3/8" MPT x M Swivel | 50 ft | 9.15 lb | 5 |
| B3V00351 | Black | 3/8" QC Socket / Plug | 50 ft | 9.15 lb | 5 |
| B3V00352 | Gray | 3/8" MPT x M Swivel | 50 ft | 9.15 lb | 5 |
| B3V00353 | Gray | 3/8" QC Socket / Plug | 50 ft | 9.15 lb | 5 |
| B3V00354 | Blue | 3/8" MPT x M Swivel | 50 ft | 9.15 lb | 5 |
| B3V00355 | Yellow | 3/8" MPT x M Swivel | 50 ft | 9.15 lb | 5 |
| B3V00375 | Black | 3/8" MPT x M Swivel | 75 ft | 13.75 lb | 3 |
| B3V00376 | Gray | 3/8" MPT x M Swivel | 75 ft | 13.75 lb | 3 |
| B3V00377 | Blue | 3/8" MPT x M Swivel | 75 ft | 13.75 lb | 3 |
| B3V00378 | Yellow | 3/8" MPT x M Swivel | 75 ft | 13.75 lb | 3 |
| B3V00380 | Black | 3/8" MPT x M Swivel | 100 ft | 18.25 lb | 3 |
| B3V00381 | Black | 3/8" QC Socket / Plug | 100 ft | 18.25 lb | 3 |
| B3V00382 | Gray | 3/8" MPT x M Swivel | 100 ft | 18.25 lb | 3 |
| B3V00384 | Blue | 3/8" MPT x M Swivel | 100 ft | 18.25 lb | 3 |
| B3V00700 | Yellow | 3/8" MPT x M Swivel | 100 ft | 18.25 lb | 3 |
| B3V00390 | Black | 3/8" MPT x M Swivel | 150 ft | 27.4 lb | 1 |
| B3V00391 | Gray | 3/8" MPT x M Swivel | 150 ft | 27.4 lb | 1 |
| B3V00395 | Black | 3/8" MPT x M Swivel | 200 ft | 36.5 lb | 1 |
| B3V00396 | Gray | 3/8" MPT x M Swivel | 200 ft | 36.5 lb | 1 |

| PRESSURE | TEMP. | I.D. | O.D. |
|---|---|---|---|
| 4000 PSI | -15° F to 250° F | 3/8" | .693" |

- Synthetic rubber abrasion resistant wrapped cover
- Designed for commercial high pressure cleaning applications
- Single wire braided rubber hose
- Black bend guards on each end
- Heat resistant synthetic rubber inner tube

### REPAIR YOUR OWN HOSE *(fittings & ferrules)*

***Note: each fitting requires a crimp ferrule***

| ORDER # | DESCRIPTION | SIZE | WEIGHT | COLOR | BOX QTY |
|---|---|---|---|---|---|
| B3R00351 | Bulk Hose | 500 ft reel | 92 lb | Black | 1 |
| B3R00353 | Bulk Hose | 500 ft reel | 92 lb | Gray | 1 |
| B3R00354 | Bulk Hose | 500 ft reel | 92 lb | Blue | 1 |
| B3R00355 | Bulk Hose | 500 ft reel | 92 lb | Yellow | 1 |
| 899400038 | Zinc Crimp Ferrule | 18.9 mm ± 0.3 mm | — | — | 25 |
| 898400738 | Zinc Fitting | 3/8" MPT x Barb | 3.0 oz | — | 25 |
| 898400739 | Zinc Fitting | 3/8" MPT x Barb swivel | 3.5 oz | — | 25 |
| 080030838 | Rubber Bend Restrictors | For 3/8" Hose | — | Black | 25 |

## 3/8" SINGLE WIRE 4000 PSI SMOOTH HOSES

| ORDER # | COLOR | FITTINGS | LENGTH | WEIGHT | BOX QTY |
|---|---|---|---|---|---|
| B3V00302 | Blue | 3/8" MPT x M swivel | 2 ft | 0.48 lb | 50 |
| B3V00325 | Black | 3/8" MPT x M swivel | 25 ft | 6 lb | 6 |
| B3V00326 | Blue | 3/8" MPT x M swivel | 25 ft | 6 lb | 6 |
| B3V00334 | Black | 3/8" MPT x M swivel | 50 ft | 12.5 lb | 5 |
| B3V00335 | Blue | 3/8" MPT x M swivel | 50 ft | 12.5 lb | 4 |
| B3V00424 | Black | 3/8" MPT x M swivel | 75 ft | 18 lb | 3 |
| B3V00425 | Blue | 3/8" MPT x M swivel | 75 ft | 18 lb | 3 |
| B3V00534 | Black | 3/8" MPT x M swivel | 100 ft | 25 lb | 3 |
| B3V00547 | Blue | 3/8" MPT x M swivel | 100 ft | 25 lb | 3 |
| B3V00536 | Black | 3/8" MPT x M swivel | 150 ft | 37.5 lb | 1 |
| B3R00420 | Blue | 3/8" MPT x M swivel | 200 ft | 50 lb | 1 |
| B3R00430 | Blue | 3/8" MPT x M swivel | 300 ft | 75 lb | 1 |

| TEMP. | PRESSURE | I.D. | O.D. |
|---|---|---|---|
| -15° F to 250° F | 4000 PSI | 3/8" | .693" |

- Blue minimal marking abrasion resistant smooth synthetic rubber cover
- Black bend guards on each end
- Reinforced with one layer of high tensile steel wire
- Heat resistant synthetic rubber inner tube
- Designed as a solution hose for carpet cleaning equipment and high pressure cleaning applications

## REPAIR YOUR OWN HOSE *(fittings & ferrules)*

***Note: each fitting requires a crimp ferrule***

| ORDER # | DESCRIPTION | SIZE | WEIGHT | COLOR | BOX QTY |
|---|---|---|---|---|---|
| B3R00334 | Bulk Hose | 500 ft reel | 92 lb | Black | 1 |
| B3R00436 | Bulk Hose | 500 ft reel | 92 lb | Blue | 1 |
| B3R00440 | Bulk Hose | 500 ft reel | 92 lb | Yellow | 1 |
| B3R00442 | Bulk Hose | 500 ft reel | 92 lb | Gray | 1 |
| 899400038 | Zinc Crimp Ferrule | 18.9 mm ± 0.3 mm | — | — | 25 |
| 898400738 | Zinc Fitting | 3/8" MPT x Barb | 3.0 oz | — | 25 |
| 898400739 | Zinc Fitting | 3/8" MPT x Barb swivel | 3.5 oz | — | 25 |
| 080030838 | Rubber Bend Restrictors | For 3/8" Hose | — | Black | 25 |

## 3/8" SINGLE WIRE 4000 PSI "JUMPER" HOSES

| ORDER # | FITTINGS | LENGTH | WEIGHT | BOX QTY |
|---|---|---|---|---|
| B3V00018 | 3/8" MPT x M swivel | 18 in | .5 lb | 50 |
| B3V00002 | 3/8" MPT x M swivel | 2 ft | .6 lb | 50 |
| B3V00005 | 3/8" MPT x M swivel | 2.5 ft | .8 lb | 50 |
| B3V00003 | 3/8" MPT x M swivel | 3 ft | .9 lb | 50 |
| B3V00004 | 3/8" MPT x M swivel | 4 ft | 1.2 lb | 25 |
| B3V00007 | 3/8" MPT x M swivel | 5 ft | 1.4 lb | 25 |
| B3V00006 | 3/8" MPT x M swivel | 6 ft | 1.5 lb | 15 |
| B3V00008 | 3/8" MPT x M swivel | 7 ft | 1.6 lb | 15 |
| B3V00011 | 3/8" MPT x M swivel | 11 ft | 2.3 lb | 10 |
| B3V00012 | 3/8" MPT x M swivel | 12 ft | 2.5 lb | 10 |
| B3V00318 | 3/8" MPT x M swivel | 18 ft | 3.5 lb | 10 |

| TEMP. | PRESSURE | I.D. | O.D. |
|---|---|---|---|
| -15° F to 250° F | 4000 PSI | 3/8" | .693" |

- Synthetic rubber abrasion resistant wrapped cover
- Designed for connecting hose reels to pressure washers
- Heat resistant synthetic rubber inner tube
- Commercial grade
- Reinforced with one layer of high tensile steel wire

## 3/8" SUPER TUFF COVER HOSES

*This hose has an additional, more durable coating that makes it more abrasion resistant, non marking and Super Tuff cover that lasts longer than the standard hose*

| ORDER # | PRESSURE | O.D. | LENGTH | WEIGHT | BOX QTY |
|---|---|---|---|---|---|
| B3V46050 | 4000 PSI | .693" | 50 ft | 9.30 lb | 5 |
| B3V46100 | 4000 PSI | .693" | 100 ft | 18.0 lb | 3 |
| B3V47050 | 6000 PSI | .74" | 50 ft | 15.25 lb | 5 |
| B3V47100 | 6000 PSI | .74" | 100 ft | 30.5 lb | 2 |

| TEMP. | I.D. | FITTINGS |
|---|---|---|
| -15° F to 250° F | 3/8" | 3/8" MPT x M swivel |

- Reduce downtime because of a worn out hose
- Reinforced with one layer (4000 PSI) or 2 layers (6000 PSI) of high tensile steel wire
- Designed for high pressure cleaning applications that require exceptional cover wear resistant
- Heat resistant synthetic rubber inner tube
- Red bend guards on each end

## 3/8" DOUBLE WIRE 6000 PSI "JUMPER" HOSES

| ORDER # | FITTINGS | LENGTH | WEIGHT | BOX QTY |
|---|---|---|---|---|
| B3V58018 | 3/8" MPT x M swivel | 18 in | .5 lb | 50 |
| B3V58002 | 3/8" MPT x M swivel | 2 ft | .6 lb | 50 |
| B3V58019 | 3/8" MPT x M swivel | 2.5 ft | .75 lb | 50 |
| B3V58003 | 3/8" MPT x M swivel | 3 ft | .9 lb | 50 |
| B3V58004 | 3/8" MPT x M swivel | 4 ft | 1.2 lb | 25 |
| B3V58006 | 3/8" MPT x M swivel | 6 ft | 1.8 lb | 15 |
| B3V58010 | 3/8" MPT x M swivel | 10 ft | 3 lb | 10 |
| B3V58015 | 3/8" MPT x M swivel | 15 ft | 4.45 lb | 10 |

| TEMP. | PRESSURE | I.D. | O.D. |
|---|---|---|---|
| -15° F to 250° F | 6000 PSI | 3/8" | .77" |

- Double wire braided rubber hose
- Synthetic rubber abrasion resistant wrapped cover
- Designed for connecting hose reels to pressure washers
- Reinforced with one layer of high tensile steel wire
- Heat resistant synthetic rubber inner tube
- Commercial grade

## 3/8" DOUBLE WIRE 6000 PSI HOSES

| ORDER # | FITTINGS | LENGTH | WEIGHT | COLOR | BOX QTY |
|---|---|---|---|---|---|
| B3V58025 | 3/8" MPT x M swivel | 25 ft | 7.6 lb | Black | 6 |
| B3V58050 | 3/8" MPT x M swivel | 50 ft | 15.25 lb | Black | 5 |
| B3V58060 | 3/8" MPT x M swivel | 50 ft | 15.25 lb | Gray | 5 |
| B3V58075 | 3/8" MPT x M swivel | 75 ft | 22.8 lb | Black | 3 |
| B3V58100 | 3/8" MPT x M swivel | 100 ft | 30.5 lb | Black | 2 |
| B3V58101 | 3/8" MPT x M swivel | 100 ft | 30.5 lb | Gray | 2 |
| B3V58150 | 3/8" MPT x M swivel | 150 ft | 45.75 lb | Gray | 1 |
| B3V58200 | 3/8" MPT x M swivel | 200 ft | 61 lb | Gray | 1 |

| TEMP. | PRESSURE | I.D. | O.D. |
|---|---|---|---|
| -15° F to 250° F | 6000 PSI | 3/8" | .77" |

- Bend guards on each end
- Heat resistant synthetic rubber inner tube
- Designed for high pressure cleaning applications
- Abrasion resistant wrapped synthetic rubber cover
- Double wire braided rubber hose
- An ideal hose for hot water applications

### REPAIR YOUR OWN HOSE *(fittings & ferrules)*

***Note: each fitting requires a crimp ferrule***

| ORDER # | DESCRIPTION | SIZE | WEIGHT | COLOR | BOX QTY |
|---|---|---|---|---|---|
| B3R58050 | Bulk Hose | 500 ft reel | 155 lb | Black | 1 |
| B3R58060 | Bulk Hose | 500 ft reel | 155 lb | Gray | 1 |
| 899600038 | Zinc Crimp Ferrule | 20.6 mm ± 0.3 mm | — | — | 25 |
| 898400738 | Zinc Fitting | 3/8" MPT x Barb | 3.0 oz | — | 25 |
| 898400739 | Zinc Fitting | 3/8" MPT x Barb swivel | 3.5 oz | — | 25 |
| 898400722 | Brass/Plated Steel | M22 | 3.8 oz | — | 25 |
| 080030839 | Rubber Bend Restrictors | for 3/8" Hose | — | Red | 25 |

## 3/8" 7200 PSI "ULTRA HIGH" PRESSURE HOSE

| ORDER # | FITTINGS | LENGTH | WEIGHT | BOX QTY |
|---|---|---|---|---|
| B3V72003 | 3/8" MPT x MPT | 3 ft | 1.40 lb | 25 |
| B3V72004 | 3/8" MPT x MPT | 4 ft | 1.75 lb | 25 |
| B3V72050 | 3/8" MPT x MPT | 50 ft | 16.25 lb | 4 |
| B3V72100 | 3/8" MPT x MPT | 100 ft | 31.5 lb | 2 |
| B3V72150 | 3/8" MPT x MPT | 150 ft | 46.75 lb | 1 |

| TEMP. | PRESSURE | I.D. | O.D. |
|---|---|---|---|
| -15° F to 250° F | 7200 PSI | 3/8" | .77" |

- Designed for commercial high pressure cleaning applications
- An ideal hose for hot water applications
- Red bend guards on each end
- Commercial grade
- Synthetic rubber abrasion resistant wrapped cover

## 1/2" DOUBLE WIRE 4000 PSI HOSE

| ORDER # | FITTINGS | LENGTH | WEIGHT | BOX QTY |
|---|---|---|---|---|
| B3V00750 | 1/2" MPT x M swivel | 50 ft | 19.15 lb | 3 |
| B3V00755 | 1/2" MPT x M swivel | 75 ft | 27.75 lb | 2 |
| B3V00766 | 1/2" MPT x M swivel | 100 ft | 37.3 lb | 2 |

| TEMP. | PRESSURE | I.D. | O.D. |
|---|---|---|---|
| -15° F to 250° F | 4000 PSI | 1/2" | .81" |

****Jumper Hose lengths available from 2 ft to 12 ft per request****

- Heat resistant synthetic rubber inner tube
- Designed for high pressure cleaning applications
- Double wire braided rubber hose
- Red bend guards on each end

**REPAIR YOUR OWN HOSE** *(fittings & ferrules)*
***Note: each fitting requires a crimp ferrule***

| ORDER # | DESCRIPTION | SIZE | WEIGHT | COLOR | BOX QTY |
|---|---|---|---|---|---|
| B3R00750 | Bulk Hose | 350 ft reel | 125 lb | Black | 1 |
| 899400050 | Zinc Crimp Ferrule | 25.1 mm ± 0.3 mm | — | — | 25 |
| 898400650 | Zinc Fitting | 1/2" MPT x Barb | — | — | 25 |
| 898400651 | Zinc Fitting | 1/2" MPT x Barb swivel | 3.5 oz | — | 25 |
| 080030845 | Rubber Bend Restrictors | for 1/2" Hose | — | Red | 25 |

## 1/2" DOUBLE WIRE 6000 PSI HOSE

| ORDER # | FITTINGS | LENGTH | WEIGHT | BOX QTY |
|---|---|---|---|---|
| B3R00760 | 1/2" MPT x M swivel | 350 ft Reel | 150 lb | — |
| B3V00760 | 1/2" M swivel x M swivel | 50 ft | 23.5 lb | 3 |
| B3V00765 | 1/2" M swivel x M swivel | 100 ft | 45 lb | 2 |

| TEMP. | PRESSURE | I.D. | O.D. |
|---|---|---|---|
| -15° F to 250° F | 6000 PSI | 1/2" | .81" |

- Heat resistant synthetic rubber inner tube
- Designed for high pressure cleaning applications
- Double wire braided rubber hose
- Red bend guards on each end

## 1/4" SINGLE WIRE 3000 PSI BLUE CARPET SOLUTION HOSES

| ORDER # | FITTINGS | LENGTH | WEIGHT | BOX QTY |
|---|---|---|---|---|
| B3V00201 | 1/4" MPT x M swivel | 1 ft | 0.15 lb | 50 |
| B3V00203 | 1/4" MPT x M swivel | 3 ft | 0.46 lb | 50 |
| B3V00204 | 1/4" MPT x M swivel | 25 ft | 2.8 lb | 10 |
| B3V00205 | 1/4" MPT x M swivel | 50 ft | 5.6 lb | 6 |
| B3V00210 | 1/4" MPT x M swivel | 100 ft | 11 lb | 2 |
| B3V00250 | 1/4" MPT x M swivel | 150 ft | 16.5 lb | 1 |
| B3V00300 | 1/4" MPT x M swivel | 200 ft | 22 lb | 1 |

| PRESSURE | TEMP. | I.D. | O.D. |
|---|---|---|---|
| 3000 PSI | -15° F to 250° F | 1/4" | .44" |

- Blue non-marking abrasion resistant smooth synthetic rubber cover
- Black bend guards on each end
- Reinforced with one layer of high tensile steel wire
- Heat resistant synthetic rubber inner tube
- Designed as a solution hose for carpet cleaning equipment and high pressure cleaning applications

**REPAIR YOUR OWN HOSE** *(fittings & ferrules)*
***Note: each fitting requires a crimp ferrule***

| ORDER # | DESCRIPTION | SIZE | WEIGHT | COLOR | BOX QTY |
|---|---|---|---|---|---|
| B3R00205 | Bulk Hose | 500 ft reel | 70 lb | Blue | 1 |
| 899300014 | Zinc Crimp Ferrule | 12.8 mm - 13.0 mm | — | — | 25 |
| 898300014 | Zinc Fitting | 1/4" MPT x Barb | 2.6 oz | — | 25 |
| 898300015 | Zinc Fitting | 1/4" MPT x Barb Swivel | 3.2 oz | — | 25 |
| 080030814 | Rubber Bend Restrictors | for 1/4" hose | — | Black | 25 |

## HOSE BEND PROTECTORS *(extends the life of the hose)*

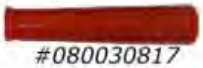
| ORDER # | DESCRIPTION | COLOR |
|---|---|---|
| 080030814 | Fits 1/4" Hose | Black |
| 080030816 | Fits 5/16" Hose | Black |
| 080030817 | Fits 5/16" Hose | Red |
| 080030838 | Fits 3/8" Hose | Black |
| 080030839 | Fits 3/8" Hose | Red |
| 080030845 | Fits 1/2" Hose | Red |
| 080030870 | Fits 3/8" Hose | Red |
| 080030871 | Fits 3/8" Hose | Black |
| 080030872 | Fits 1/4" Hose | Black |
| 080030875 | Fits 3/4" Hose | Black |

- Special material that is more UV and ozone resistant than rubber
- Resistant to cleaning detergents

*Private label available*

*#080030814*

*#080030816*



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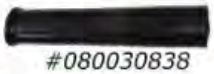

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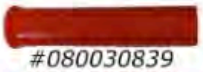

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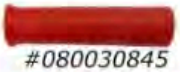


*#080030845*

*#080030870*

*#080030871*

*#080030872*

*#080030875*

***ALSO AVAILABLE:***

#080030871 in assorted colors:
Special order, minimum quantities

## HOSE HANGER *(stainless steel)*

| ORDER # | MATERIAL | DIMENSION | WEIGHT |
|---|---|---|---|
| 11006 | Polished Stainless Steel | 13.75" x 6" x 7.75" | 2 lb |

- Polished stainless steel
- Food grade
- Holds 175 ft of 3/8" hose
- Holds 120 ft of 1/2" hose
- Holds 90 ft of 3/4" hose

## PROTECTIVE HOSE SLEEVE

| ORDER # | FITS HOSE | DESCRIPTION | COLOR | WEIGHT |
|---|---|---|---|---|
| 080030824 | Fits 3/8" Hose | 24" PVC | Black | .2 lb |
| 080030825 | Fits 3/8" Hose | 24" PVC | Red | .2 lb |

- 24" durable PVC protective guard attaches to the trigger gun end of a pressure washer hose providing the operator protection against high pressure burst

---

## SUTTNER SUPERBALLS

| ORDER # | DESCRIPTION | COLOR | BOX QTY | BOX WEIGHT |
|---|---|---|---|---|
| 200000505 | For 3/8" 4000 PSI hose | Orange | 36 | 1.2 lb |
| 200000515 | For 3/8" 6000 PSI hose | Red | 36 | 1.2 lb |
| 200000516 | For 1/4" 3000 PSI hose | Blue | 36 | 1.2 lb |

- Greatly reduces hose cover wear caused by abrasion
- Helps keep hose clean and water from damming around it
- Easy handling and dragging of hose
- Recommended spacing is 16 inches
- Easy Installation

https://youtu.be/si6_qAYcUnE

## 1/8" 4800 PSI BLACK SMOOTH HOSE

| ORDER # | PRESSURE | TEMP. | I.D. | O.D. | FITTINGS | LENGTH | WEIGHT | BOX QTY |
|---|---|---|---|---|---|---|---|---|
| 894800025 | 4800 PSI | 160° F | .12" | .27" | 1/8" MPT x 1/8" MPT | 25 ft | 2.5 lb | 12 |
| 894800050 | 4800 PSI | 160° F | .12" | .27" | 1/8" MPT x 1/8" MPT | 50 ft | 4.3 lb | 6 |
| 894800100 | 4800 PSI | 160° F | .12" | .27" | 1/8" MPT x 1/8" MPT | 100 ft | 7.75 lb | 3 |

- Kevlar braid reinforced
- Seamless nylon inner tube
- 1" bend radius (2.54 cm)
- Black abrasion resistant polyurethane smooth cover
- Maximum flow rate up to 1.5 GPM
- 2.5:1 burst to operating pressure
- Lightweight and highly flexible

**REPAIR YOUR OWN HOSE** *(fittings & ferrules)*

***Note: each fitting requires a crimp ferrule***

| ORDER # | DESCRIPTION | SIZE | BOX QTY |
|---|---|---|---|
| 899480008 | Zinc Crimp Ferrule | 6.5 mm - OD | 25 |
| 898480008 | Zinc Fitting | 1/8" MPT x 1/8" Barb | 25 |

## 3/16" 4800 PSI BLACK SMOOTH HOSE

| ORDER # | PRESSURE | TEMP. | I.D. | O.D. | FITTINGS | LENGTH | WEIGHT | BOX QTY |
|---|---|---|---|---|---|---|---|---|
| 894803050 | 4800 PSI | 160° F | .19" | .39" | 1/8" MPT x 1/8" MPT | 50 ft | 5.37 lb | 6 |
| 894803100 | 4800 PSI | 160° F | .19" | .39" | 1/8" MPT x 1/8" MPT | 100 ft | 9.75 lb | 3 |

- Polyester braid reinforced
- Seamless nylon inner tube
- Male NPT zinc plated steel fitting
- Black abrasion resistant polyurethane smooth cover
- Maximum flow rate up to 2.5 GPM
- 2.5:1 burst to operating pressure
- Lightweight and highly flexible
- Ideal for 2"-4" diameter lines
- 1.18" bend radius (3.00 cm)

**REPAIR YOUR OWN HOSE** *(fittings & ferrules)*

***Note: each fitting requires a crimp ferrule***

| ORDER # | DESCRIPTION | SIZE | BOX QTY |
|---|---|---|---|
| 899480016 | Zinc Crimp Ferrule | 10.5 mm - OD | 25 |
| 898480016 | Zinc Fitting | 1/8" MPT x 3/16" Barb | 25 |

#084400026 sewer hose comes with 4.5 sewer nozzle & M22 nipple

## WIRE BRAID RUBBER SMOOTH SEWER HOSE

| ORDER # | PRESSURE | TEMP. | I.D. | O.D. | FITTINGS | BEND RADIUS | LENGTH | WEIGHT |
|---|---|---|---|---|---|---|---|---|
| 084290050 | 2900 PSI | 140° F | 1/8" | .41" | 1/8" MPT x 1/4" MPT | 1.5" | 50 ft | 4.3 lb |
| 084290100 | 2900 PSI | 140° F | 1/8" | .41" | 1/8" MPT x 1/4" MPT | 1.5" | 100 ft | 8.5 lb |
| 084350054 | 4350 PSI | 212° F | 1/4" | .44" | 1/4" MPT x 1/4" MPT | 2.95" | 50 ft | 4.3 lb |
| 084350104 | 4350 PSI | 212° F | 1/4" | .44" | 1/4" MPT x 1/4" MPT | 2.95" | 100 ft | 8.5 lb |
| 084350154 | 4350 PSI | 212° F | 1/4" | .44" | 1/4" MPT x 1/4" MPT | 2.95" | 150 ft | 13 lb |
| 084350204 | 4350 PSI | 212° F | 1/4" | .44" | 1/4" MPT x 1/4" MPT | 2.95" | 200 ft | 17.25 lb |
| 084400025 | 4400 PSI | 160° F | 1/4" | .47" | 1/8" MPT x 1/8" MPT | 1.25" | 25 ft | 1.8 lb |
| 084400026 | 4400 PSI | 160° F | 1/4" | .47" | 1/8" x 1/8" 25' w/4.5 nozzle & M22 nipple | 1.25" | 25 ft | 1.8 lb |

•Durable wire braid rubber construction, flexible and lightweight for cornering around line elbows

## 1/4" TEXTILE BRAID THERMOPLASTIC SMOOTH HOSE

| ORDER # | FITTINGS | LENGTH | WEIGHT | BOX QTY |
|---|---|---|---|---|
| 894400050 | 1/4" MPT x 1/4" MPT Swivel | 50 ft | 6.75 lb | 10 |
| 894400075 | 1/4" MPT x 1/4" MPT Swivel | 75 ft | 9.25 lb | 5 |
| 894400100 | 1/4" MPT x 1/4" MPT Swivel | 100 ft | 12.5 lb | 6 |
| 894400150 | 1/4" MPT x 1/4" MPT Swivel | 150 ft | 18.25 lb | 4 |
| 894400200 | 1/4" MPT x 1/4" MPT Swivel | 200 ft | 24 lb | 3 |
| 894400300 | 1/4" MPT x 1/4" MPT Swivel | 300 ft | 35.5 lb | 2 |

| PRESSURE | TEMP. | I.D. |
|---|---|---|
| 4400 PSI | 160° F | .25" |

- Polyester braid reinforced
- Seamless thermoplastic inner tube
- Male NPT zinc plated steel fitting
- Black abrasion resistant thermoplastic smooth cover
- Maximum flow rate up to 4.0 GPM
- 2.5:1 burst to operating pressure
- Lightweight and highly flexible
- Ideal for 2"-4" diameter lines
- 1.57 bend radius (3.99 cm)

**REPAIR YOUR OWN HOSE** *(fittings & ferrules)*

***Note: each fitting requires a crimp ferrule***

| ORDER # | DESCRIPTION | SIZE | BOX QTY |
|---|---|---|---|
| 899440014 | Zinc Crimp Ferrule | 13.5 mm - OD | 25 |
| 898440014 | Zinc Fitting | 1/4" MPT x Barb | 25 |
| 898440015 | Zinc Fitting | 1/4" MPT x Barb swivel | 25 |

## 3/8" 4000 PSI BLACK SMOOTH HOSE

| ORDER # | FITTINGS | LENGTH | WEIGHT | BOX QTY |
|---|---|---|---|---|
| 894000050 | 3/8" MPT x 3/8" MPT Swivel | 50 ft | 10.24 lb | 6 |
| 894000100 | 3/8" MPT x 3/8" MPT Swivel | 100 ft | 19 lb | 3 |
| 894000150 | 3/8" MPT x 3/8" MPT Swivel | 150 ft | 27.75 lb | 2 |
| 894000200 | 3/8" MPT x 3/8" MPT Swivel | 200 ft | 46.5 lb | 1 |
| 894000250 | 3/8" MPT x 3/8" MPT Swivel | 250 ft | 55.25 lb | 1 |
| 894000300 | 3/8" MPT x 3/8" MPT Swivel | 300 ft | 64 lb | 1 |

- Reinforced with (1) layer of steel wire braid
- Seamless nylon inner tube
- Highly flexible
- Black abrasion resistant polyurethane smooth cover
- Maximum flow rate up to 9.0 GPM
- 2.51 burst to operating pressure
- Ideal for 4"-8" diameter lines
- 3.94" bend radius (10.1 cm)

**REPAIR YOUR OWN HOSE** *(fittings & ferrules)*

***Note: each fitting requires a crimp ferrule***

| ORDER # | DESCRIPTION | SIZE | BOX QTY |
|---|---|---|---|
| 899400045 | Zinc Crimp Ferrule | 19 mm - OD | 25 |
| 898400038 | Zinc Fitting | 3/8" MPT x Barb | 25 |
| 898400039 | Zinc Fitting | 3/8" MPT x Barb swivel | 25 |

## 1/2" 4000 PSI GREEN SMOOTH HOSE

| ORDER # | FITTINGS | LENGTH | WEIGHT |
|---|---|---|---|
| 894012050 | 1/2" MPT X 1/2" MPT Swivel | 50 ft | 23.5 lb |
| 894012100 | 1/2" MPT X 1/2" MPT Swivel | 100 ft | 28.5 lb |
| 894012200 | 1/2" MPT X 1/2" MPT Swivel | 200 ft | 64.5 lb |
| 894012300 | 1/2" MPT X 1/2" MPT Swivel | 300 ft | 91 lb |
| 894012500 | 1/2" MPT X 1/2" MPT Swivel | 500 ft | 143 lb |

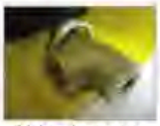
| PRESSURE | TEMP. | I.D. |
|---|---|---|
| 4000 PSI | 160° F | .50" |

- Reinforced with (2) layers of steel wire braid
- Seamless nylon inner tube
- Green abrasion resistant polyurethane smooth cover
- Maximum flow rate up to 15 GPM
- Ideal for 6"-12" diameter lines
- 3.94" bend radius (10.1 cm)

**REPAIR YOUR OWN HOSE** *(fittings & ferrules)*

***Note: each fitting requires a crimp ferrule***

| ORDER # | DESCRIPTION | SIZE | BOX QTY |
|---|---|---|---|
| 899400012 | Zinc Crimp Ferrule | 23 mm - OD | 15 |
| 898400050 | Zinc Fitting | 1/2" MPT x Barb | 15 |
| 898400051 | Zinc Fitting | 1/2" MPT x Barb swivel | 15 |



Valve housing

## FOOT ACTUATED VALVE *(3000 psi)*

*Foot controlled valves allow both hands to be free to control the sewer hose pulling hose back and forth to flush pipes*

| ORDER # | PRESSURE | TEMP. | INLET | OUTLET | FLOW RATE | WEIGHT |
|---|---|---|---|---|---|---|
| 999000012 | 3000 PSI | 320° F | 3/8" FPT | 1/4" FPT | 8 GPM | 7 lb |

**Complete Valve Repair Kit:** #200851484

- Inlet and outlet are positioned to help keep hose out of the way
- Heavy gauge steel construction for durability and stability
- Pedal and valve are in protective housing

## FOOT ACTUATED VALVE *(5000 psi)*

*Foot controlled valves allow both hands to be free to control the sewer hose pulling hose back and forth to flush pipes*

| ORDER # | PRESSURE | TEMP. | INLET | OUTLET | FLOW RATE | WEIGHT |
|---|---|---|---|---|---|---|
| 999002305 | 5000 PSI | 300° F | 3/8" FPT | 1/4" FPT | 12 GPM | 15 lb |
| 999002700 | 5000 PSI | 300° F | 3/8" FPT | 1/4" FPT | 12 GPM | 15 lb |

**Repair Kits:** #202300490
#202700490

- Heavy gauge steel construction for durability and stability
- Uses the ST-2305 or ST-2700 spray guns as a control valve
- Pedal and valve are in protective housing
- Inlet and outlet are positioned to help keep hose out of the way

## ST-550 FOOT ACTUATED VALVE *(7300 psi)*

*Foot controlled valves allow both hands to be free to control the sewer hose pulling hose back and forth to flush pipes*

| ORDER # | PRESSURE | TEMP. | INLET | OUTLET | FLOW RATE | WEIGHT |
|---|---|---|---|---|---|---|
| 200550500 | 7300 PSI | 300° F | 1/4" FPT | 1/4" FPT | 10.5 GPM | 9 lb |

**Repair Kit:** #203600490

- Inlet and outlet are positioned to help keep hose out of the way
- Stainless steel construction
- Pedal and valve are in protective housing

# FOAMING


Foam Chart.....92
Foam Injectors.....94
Dosing Nozzles.....108
Foamers.....109
Foam Nozzles.....110
Foam Brush.....112
Foam Lances.....112
Foaming Accessories.....115

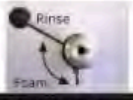
## DETERMINE THE FOAM COMPONENTS YOU NEED

**1** *SELECT A FOAM INJECTOR TO FIT YOUR MACHINE & JOB*
*Use the chart below for selection of Components*

**2** *SELECT THE SPRAY GUN TO FIT YOUR REQUIREMENTS & MACHINE*
*Spray Gun Chart below – NOTE GPM ratings for gun selection*

**3** *SELECT THE FOAMER THAT BEST SUITS YOUR CRITERIA*

**1**

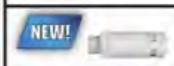
| | INJECTORS | | | | | |
|---|---|---|---|---|---|---|
| | | Food Grade | # of Chemicals | Flow Rate | Bypass Rinse Option | Description / Diagram |
| | ST-160 | | 1 | 1-18 GPM | — | page 94 |
| | ST-160.3 | | 1 2 3 | 1-24 GPM | — | page 98 |
| | ST-164 | | 1 2 | 1-18 GPM | | page 100 |
| | ST-166 | | 1 2 | 1-18 GPM | — | page 102 |
| | ST-167 | | 1 | 1-18 GPM |   | page 104 |

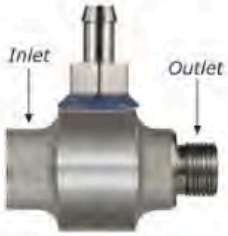
| | COMPRESSED AIR INJECTORS | | | | | |
|---|---|---|---|---|---|---|
| | | Food Grade | # of Chemicals | Flow Rate | Bypass Option | Description / Diagram |
| | ST-160.2 | | 1 | 1-18 GPM | — | page 97 |
| | ST-160.3A | | 1 2 3 | 1-24 GPM | — | page 99 |
| | ST-164A | | 1 2 | 1-18 GPM | | page 101 |
| | ST-168 | | 1 | 1-18 GPM | | page 106 |

2

| | SPRAY GUNS | Food Grade | Below 6 GPM | Above 6 GPM | Relax Action Trigger | Description / Diagram |
|---|---|---|---|---|---|---|
| | ST-2605F | — | ✓ | — | ✓ | page 17 |
| | ST-2620F | — | ✓ | ✓ | ✓ | page 18 |
| | ST-2720F | 🍴 | ✓ | ✓ | ✓ | page 18 |
| | ST-3225 | 🍴 | — | ✓ | — | page 22 |
| | **COMPRESSED AIR SPRAY GUNS** | | | | | |
| | | Food Grade | Below 6 GPM | Above 6 GPM | Relax Action Trigger | Description / Diagram |
| | ST-2620F w/ Foam Lance | — | — | — | ✓ | page 18 |

3

| | FOAMERS | Food Grade | Below 6 GPM | Above 6 GPM | Description / Diagram |
|---|---|---|---|---|---|
| | ST-73 | — | ✓ | — | page 109 |
| | ST-73H | — | — | ✓ | page 109 |
| | ST-75 | — | ✓ | — | page 110 |
| | ST-75S Food Grade | 🍴 | ✓ | — | page 110 |
|   | Foam Nozzle | 🍴 | ✓ | — | page 110 |
| | ST-75.2 Long Range Foam Nozzle | 🍴 | ✓ | ✓ | page 111 |
| | ST-76 | — | — | ✓ | page 111 |
| | ST-72 | — | ✓ | — | page 113 |
| | ST-72F Food Grade | 🍴 | ✓ | — | page 114 |
| | ST-175 | — | ✓ | — | page 112 |
| | ST-176 | — | — | ✓ | page 113 |



## ST-160 CHEMICAL INJECTOR *(single chemical)*

| ORDER # | NOZZLE / ORIFICE |
|---|---|
| 200160499 | 3.0 |
| 200160500 | 3.5 |
| 200160505 | 4.0 |
| 200160510 | 4.5 |
| 200160515 | 5.5 |
| 200160520 | 6.0 |
| 200160525 | 7.0 |
| 200160530 | 8.0 |
| 200160535 | 8.5 |
| 200160540 | 9.0 |
| 200160545 | 10.0 |
| 200160550 | 11.0 |
| 200160555 | 12.0 |
| 200160560 | 12.5 |
| 200160565 | 14.0 |
| 200160570 | 15.0 |
| 200160575 | 18.0 |

- Durable Stainless Steel housing
- 10 metering/dosing nozzles included (see page 108 for dilution ratios)
- Temperature: 194° F
- Inlet: 3/8" F
- Outlet: 3/8" M
- Presure: 1000-5000 PSI
- Flow Rate: 1-18 GPM
- Weight .71 lb
- ***Optimum foam created 130°F or less***

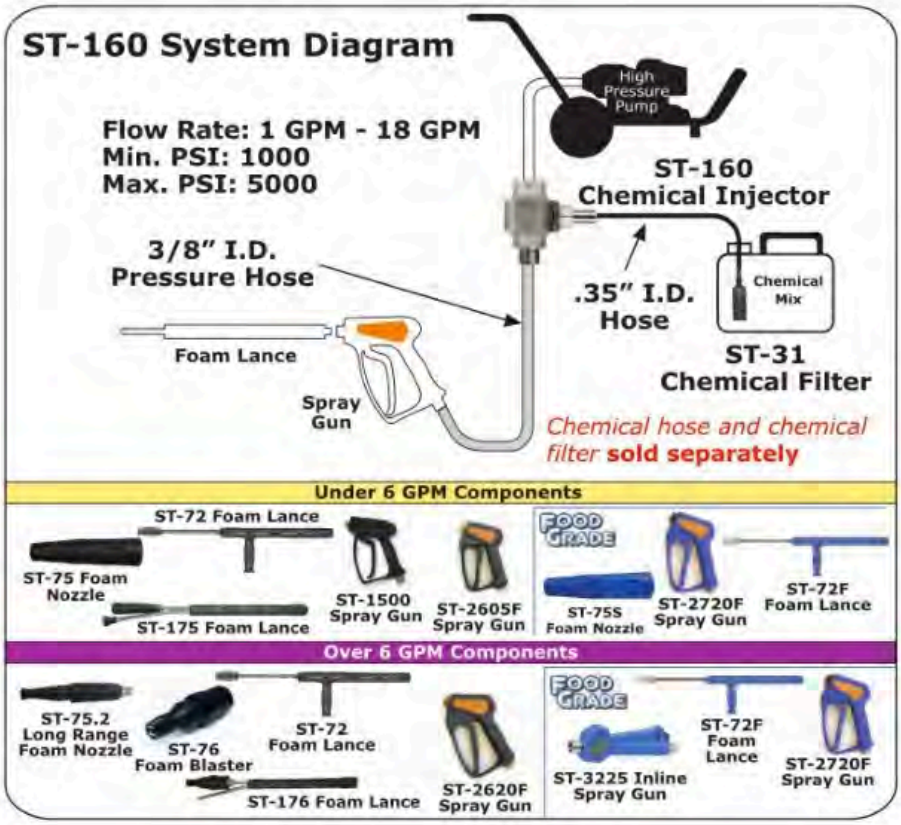
**** Also available: Extreme chemical injectors for PH Level 2.0 or below***

Available in all orifice sizes

**MOUNTING BRACKET:**

#200160160

****Sold Separately***



## ST-160M CHEMICAL INJECTOR *(single chemical)*

*With ST-161 Metering/Dosing Valve*

| ORDER # | NOZZLE / ORIFICE |
|---|---|
| 200160600 | 3.0 |
| 200160601 | 3.5 |
| 200160602 | 4.0 |
| 200160603 | 4.5 |
| 200160604 | 5.5 |
| 200160605 | 6.0 |
| 200160606 | 7.0 |
| 200160607 | 8.0 |
| 200160608 | 8.5 |
| 200160609 | 9.0 |
| 200160610 | 10.0 |
| 200160611 | 11.0 |
| 200160612 | 12.0 |
| 200160613 | 12.5 |
| 200160614 | 14.0 |
| 200160615 | 15.0 |
| 200160616 | 18.0 |

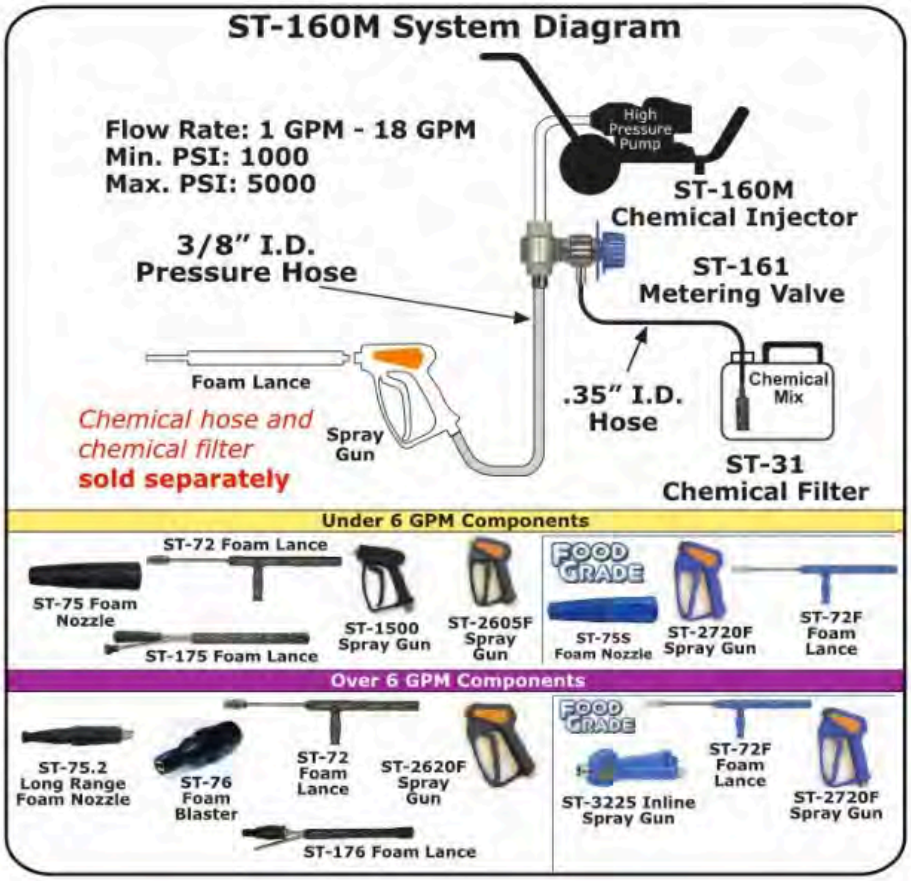
- Conserves chemicals
- Locks in position for accurate metering
- Multiple metering positions
- Temperature: 194° F
- Inlet: 3/8" F
- Outlet: 3/8" M
- Presure: 1000-5000 PSI
- Flow Rate: 1-18 GPM
- Weight 1.25 lb
- ***Optimum foam created 130°F or less***

* ***Also available:*** ***Extreme chemical injectors for PH Level 2.0 or below***

Available in all orifice sizes

FOOD GRADE

*Easy to read dial*




***MOUNTING BRACKET:***

#200160160

****Sold Separately***

## UNIVERSAL FOAM INJECTOR KIT

***Includes ST-75 Foam nozzle & ST-160 injector***

*Adapts to any pressure washer*

| ORDER # | KIT | ORIFICE |
|---|---|---|
| 999160751 | 1 | 2.0 - 3.5 |
| 999160752 | 2 | 4.0 - 5.5 |
| 999160753 | 3 | 6.5 - 7.0 |

Scan QR code to watch a short demo

*https://youtu.be/pl-eZl0aRtM*

- *Fits all orifice sizes*
- ***Optimum foam created 130°F or less***

### *ST-75 Foam Nozzle*

ST-75 produces thick foam for an easy and safe application and to save on chemical usage by reducing splash and drift of chemicals

| PRESSURE | INLET | WEIGHT |
|---|---|---|
| 4000 PSI | 1/4" | .31 lb |

### *ST-160 Stainless Steel Injector*

Durable stainless steel housing and single chemical

| PRESSURE | INLET | OUTLET | WEIGHT |
|---|---|---|---|
| 5000 PSI | 3/8" | 3/8" | .71 lb |

**Foam injector conveniently attaches after the pump/unloader on your pressure washer**

## *ALSO AVAILABLE: with ST-76 Foam Nozzle*

*For high volume applications over 6 GPM*

| ORDER # | KIT | ORIFICE |
|---|---|---|
| 999160764 | 4 | 7.5 - 8.5 |
| 999160765 | 5 | 9.0 - 12.0 |

## ST-160.2 CHEMICAL INJECTOR *(single chemical)*

*With ST-161 Metering/Dosing Valve*

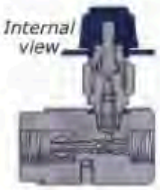
| ORDER # | NOZZLE / ORIFICE |
|---|---|
| 200160630 | 3.0 |
| 200160631 | 3.5 |
| 200160632 | 4.0 |
| 200160633 | 4.5 |
| 200160634 | 5.5 |
| 200160635 | 6.0 |
| 200160636 | 7.0 |
| 200160637 | 8.0 |
| 200160638 | 8.5 |
| 200160639 | 9.0 |
| 200160640 | 10.0 |
| 200160641 | 11.0 |
| 200160642 | 12.0 |
| 200160643 | 12.5 |
| 200160644 | 14.0 |
| 200160645 | 15.0 |
| 200160646 | 18.0 |

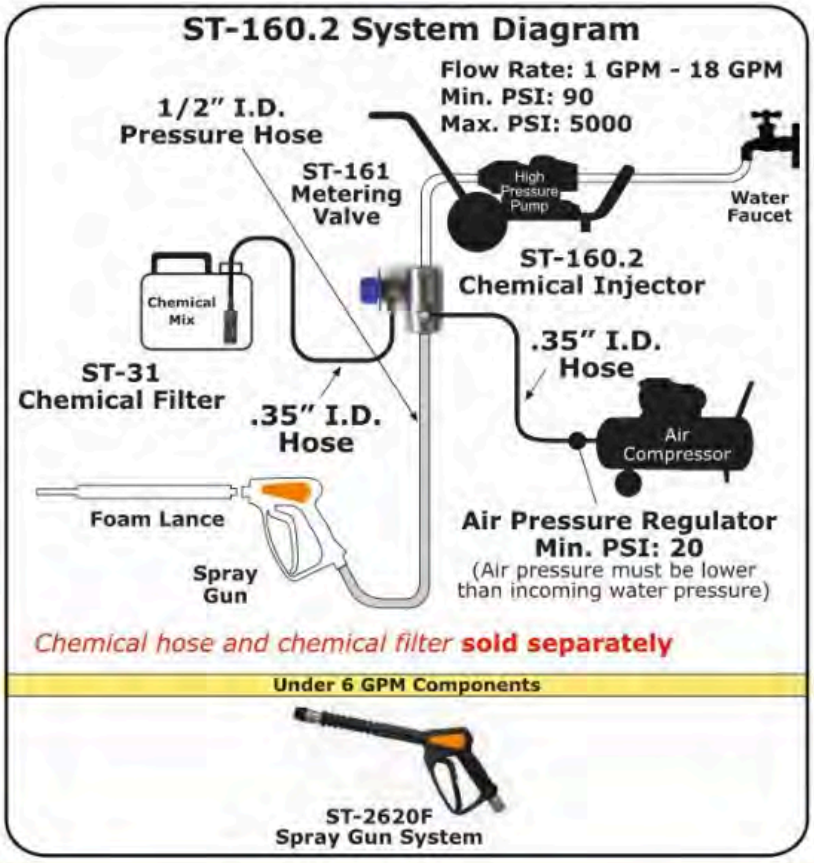
- Conserves chemicals
- Locks in position for accurate metering
- Multiple metering positions
- Temperature: 194° F
- Inlet: 1/2" F
- Outlet: 1/2" F
- Pressure: 90-5000 PSI
- Flow Rate: 1-18 GPM
- Weight: 2.20 lb
- ***Optimum foam created 130°F or less***

* ***Also available:*** ***Extreme chemical injectors for PH Level 2.0 or below***

Available in all orifice sizes

***The use of compressed air provides energy to propel foam faster and farther during application***




### MOUNTING BRACKET:

***Included with Injector***

*#200168420*

***Also available:***
Two component inlet
#200164355
*see page 116*

## ST-160.3 CHEMICAL INJECTOR *(high flow)*

| ORDER # | NOZZLE/ ORIFICE |
|---|---|
| 200160326 | 6.0 |
| 200160330 | 4.5 |
| 200160331 | 7.5 |
| 200160332 | 9.0 |
| 200160347 | 45.0 |
| 200160348 | 54.0 |

**** Available in additional orifice sizes***

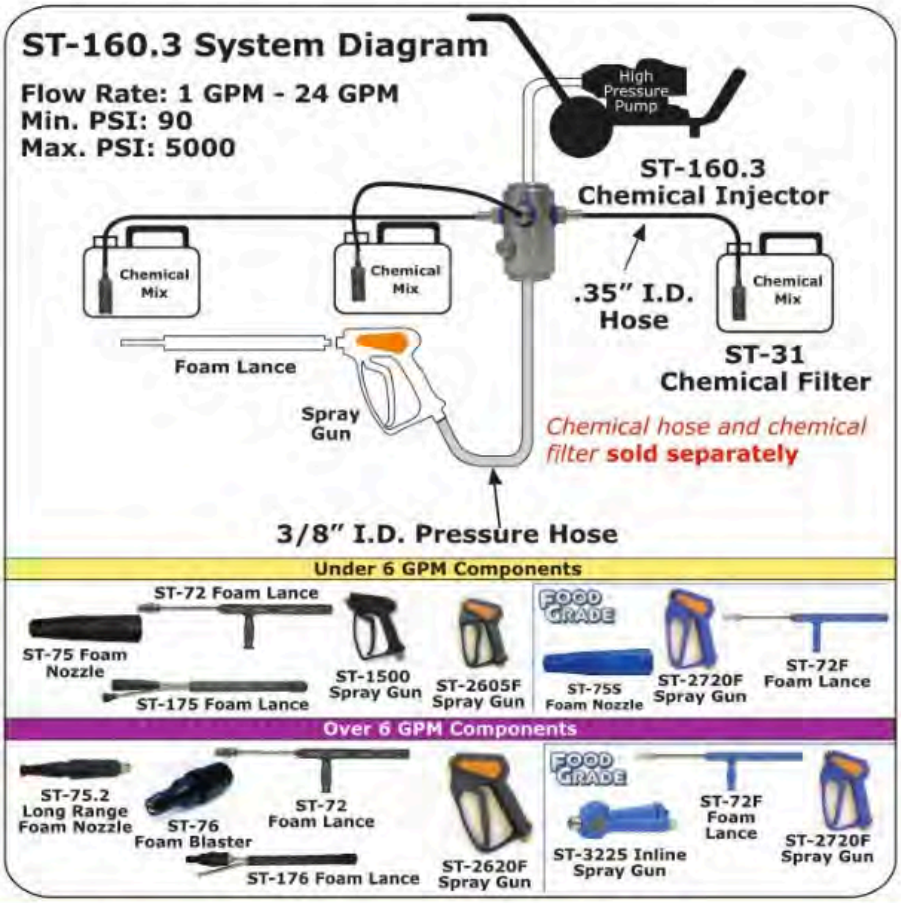
- For large water quantities and high dosing
- Three pairs of injector and nozzle in one housing and can be configured independently
- Includes (3) dosing nozzles sets
- Multiple metering positions
- Temperature: 194° F
- Inlet: 1/2" F
- Outlet: 1/2" F
- Pressure: 90 - 5000 PSI
- Flow Rate: 1 GPM - 24 GPM
- Weight: 3.55 lb
- ***Optimum foam created 130°F or less***

**** Also available: Extreme chemical injectors for PH Level 2.0 or below***

Available in all orifice sizes

***MOUNTING BRACKET:***
***Included with Injector***

*#200168420*



***Also available:***
Two component inlet
#200164355
*see page 116*

## ST-160.3A CHEMICAL INJECTOR *(high dosages)*

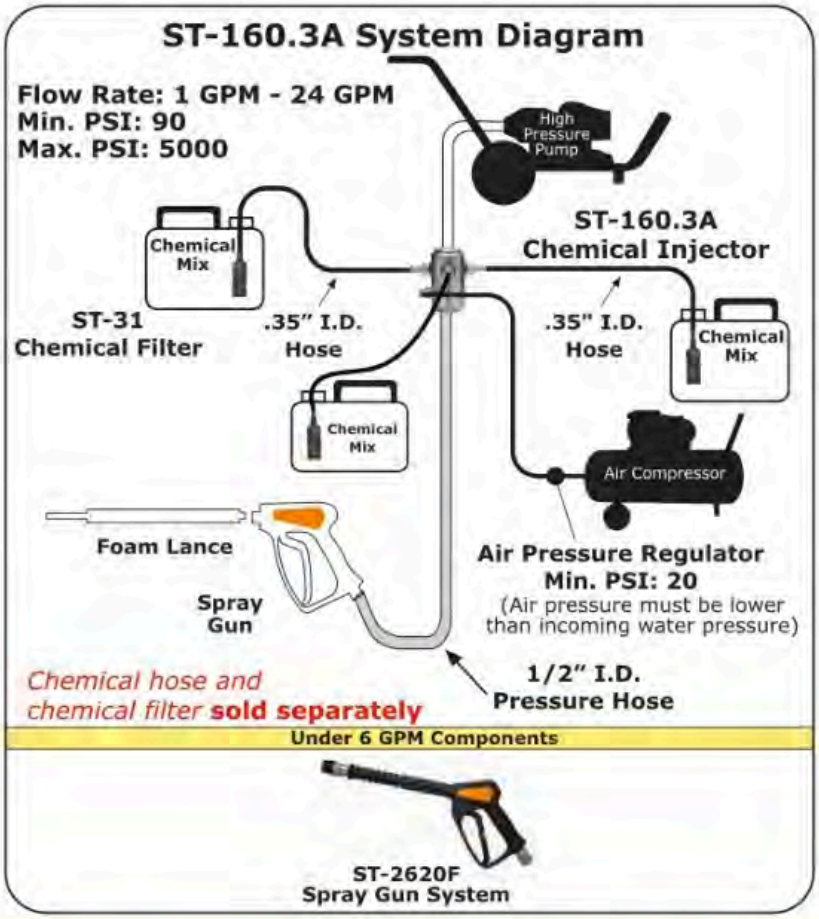
| ORDER # | NOZZLE/ ORIFICE |
|---|---|
| 200160300 | 4.5 |
| 200160302 | 9.0 |
| 200160318 | 54.0 |

**** Available in additional orifice sizes***

- For large water quantities and high dosing
- Three pairs of injector and nozzle in one housing and can be configured independently
- Includes (3) dosing nozzles sets
- Multiple metering positions
- Temperature: 194° F
- Inlet: 1/2" F
- Outlet: 1/2" F
- Pressure: 90 - 5000 PSI
- Flow Rate: 1 GPM - 24 GPM
- Weight: 3.55 lb
- ***Optimum foam created 130°F or less***

**** Also available: Extreme chemical injectors for PH Level 2.0 or below***

Available in all orifice sizes




### *MOUNTING BRACKET:*

***Included with Injector***

*#200168420*

***The use of compressed air provides energy to propel foam faster and farther during application***

***Also available:***
Two component inlet
#200164355
*see page 116*

## ST-164 CHEMICAL BYPASS INJECTOR

| ORDER # | NOZZLE / ORIFICE |
|---|---|
| 200164499 | 3.0 |
| 200164500 | 3.5 |
| 200164502 | 4.0 |
| 200164503 | 4.5 |
| 200164504 | 5.5 |
| 200164505 | 6.0 |
| 200164506 | 7.0 |
| 200164507 | 8.0 |
| 200164508 | 8.5 |
| 200164509 | 9.0 |
| 200164510 | 10.0 |
| 200164511 | 11.0 |
| 200164512 | 12.0 |
| 200164513 | 12.5 |
| 200164516 | 18.0 |

- Durable stainless steel construction
- Food grade quality and specifications
- 20 dosing nozzles included
- Integrated lever that allows you to go from disinfectant to foam to rinse
- Temperature: 212° F
- Inlet: 3/8" F
- Outlet: 1/2" F
- Pressure: 1000-5000 PSI
- Flow Rate: 1-18 GPM
- Weight: 4.80 lb
- ***Optimum foam created 130°F or less***

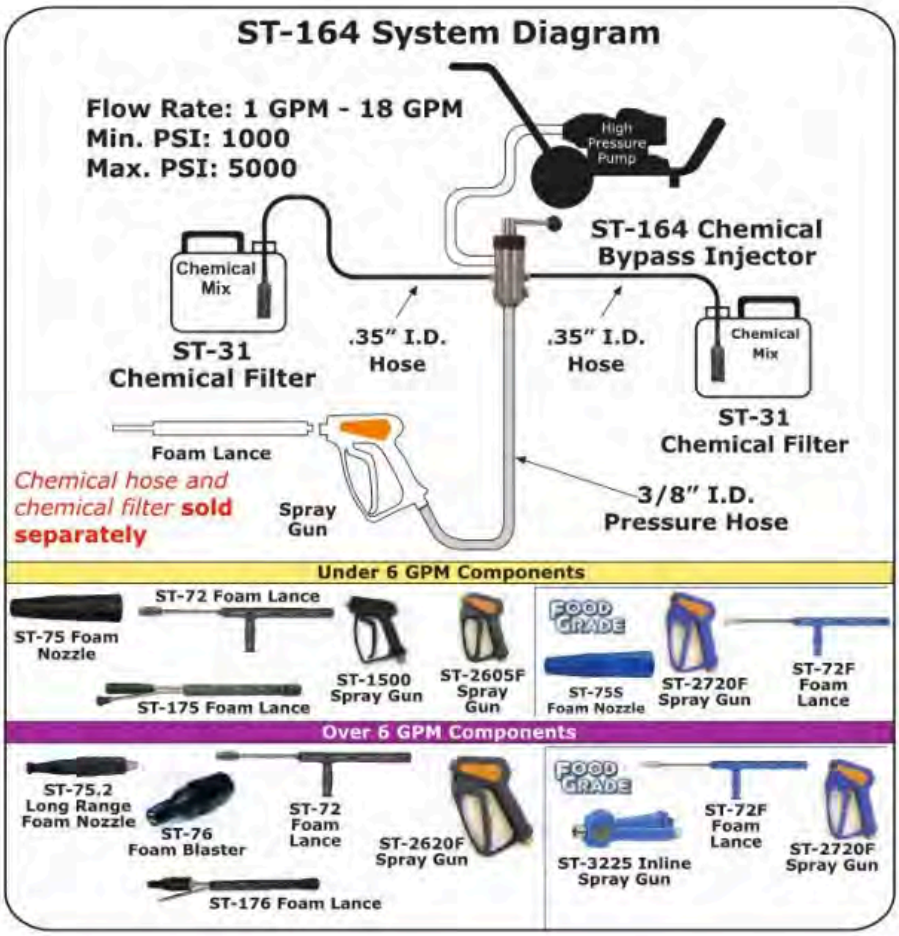
**** Also available: Extreme chemical injectors for PH Level 2.0 or below***

Available in all orifice sizes

### MOUNTING BRACKET:

***Included with Injector***

*#200168420*



***Also available:***
Two component inlet
#200164355
*see page 116*

## ST-164A CHEMICAL BYPASS INJECTOR *(with air intake)*

*With integrated lever that allows you to go from disinfectant to foam to rinse*

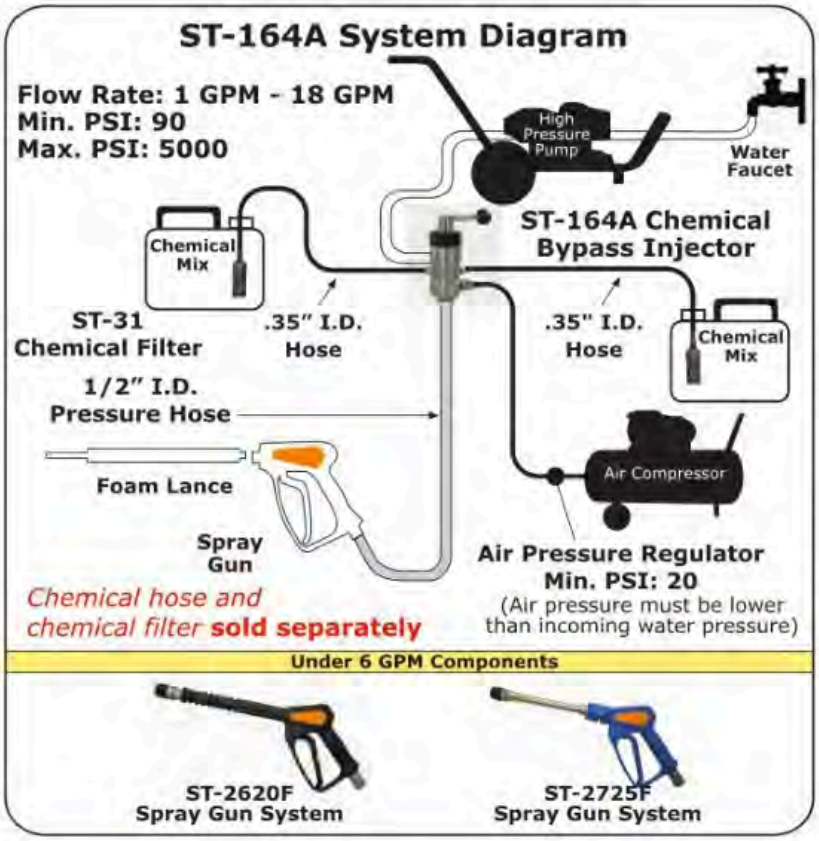
| ORDER # | NOZZLE / ORIFICE |
|---|---|
| 200164599 | 3.0 |
| 200164600 | 3.5 |
| 200164602 | 4.0 |
| 200164603 | 4.5 |
| 200164604 | 5.5 |
| 200164605 | 6.0 |
| 200164606 | 7.0 |
| 200164607 | 8.0 |
| 200164608 | 8.5 |
| 200164609 | 9.0 |
| 200164610 | 10.0 |
| 200164611 | 11.0 |
| 200164612 | 12.0 |
| 200164613 | 12.5 |
| 200164616 | 18.0 |

- Durable stainless steel construction
- Food grade quality and specifications
- 20 dosing nozzles included
- Integrated lever that allows you to go from disinfectant to foam to rinse
- Temperature: 212° F
- Inlet: 3/8" F
- Outlet: 1/2" F
- Pressure: 90-5000 PSI
- Flow Rate: 1-18 GPM
- Weight: 2.20 lb
- ***Optimum foam created 130°F or less***

* ***Also available:*** ***Extreme chemical injectors for PH Level 2.0 or below***

Available in all orifice sizes

FOOD GRADE




### MOUNTING BRACKET:

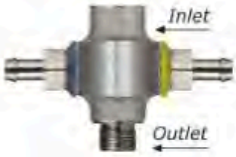
***Included with Injector***

*#200168420*

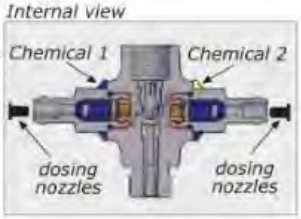
***The use of compressed air provides energy to propel foam faster and farther during application***

***Also available:***
Two component inlet
#200164355
*see page 116*

FOOD GRADE




Internal view




## ST-166 DUAL CHEMICAL INJECTOR *(stainless steel)*

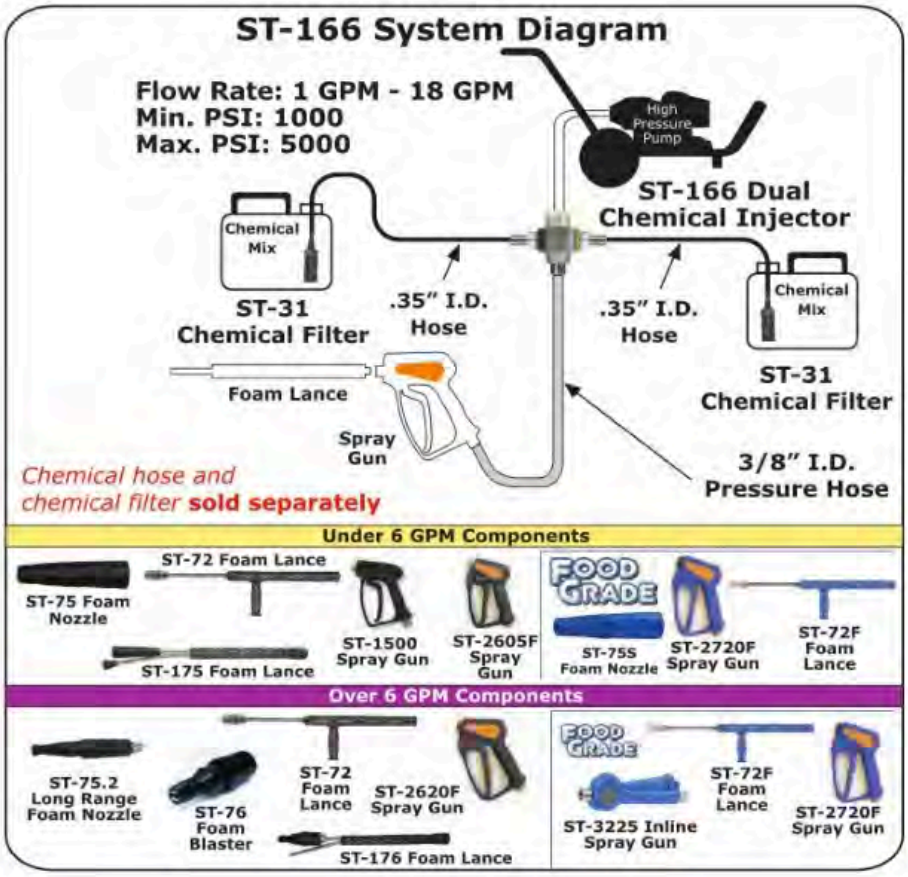
*Use for chemical & foam applications*

| ORDER # | NOZZLE / ORIFICE |
|---|---|
| 200166499 | 3.0 |
| 200166500 | 3.5 |
| 200166505 | 4.0 |
| 200166510 | 4.5 |
| 200166515 | 5.5 |
| 200166520 | 6.0 |
| 200166525 | 7.0 |
| 200166530 | 8.0 |
| 200166535 | 8.5 |
| 200166540 | 9.0 |
| 200166545 | 10.0 |
| 200166550 | 11.0 |
| 200166555 | 12.0 |
| 200166560 | 12.5 |
| 200166565 | 14.0 |
| 200166570 | 15.0 |
| 200166580 | 18.0 |

- Designed to inject and mix 2 chemicals simultaneously
- Durable stainless steel
- 20 dosing nozzles to control chemical suction included (see page 108 for dilution ratios)
- Temperature: 194° F
- Inlet: 3/8" F
- Outlet: 3/8" M
- Pressure: 1000-5000 PSI
- Flow Rate: 1-18 GPM
- Weight: .75 lb
- ***Optimum foam created 130°F or less***

**** Also available: Extreme chemical injectors for PH Level 2.0 or below***

Available in all orifice sizes



## ST-166M DUAL CHEMICAL INJECTOR *(stainless steel)*

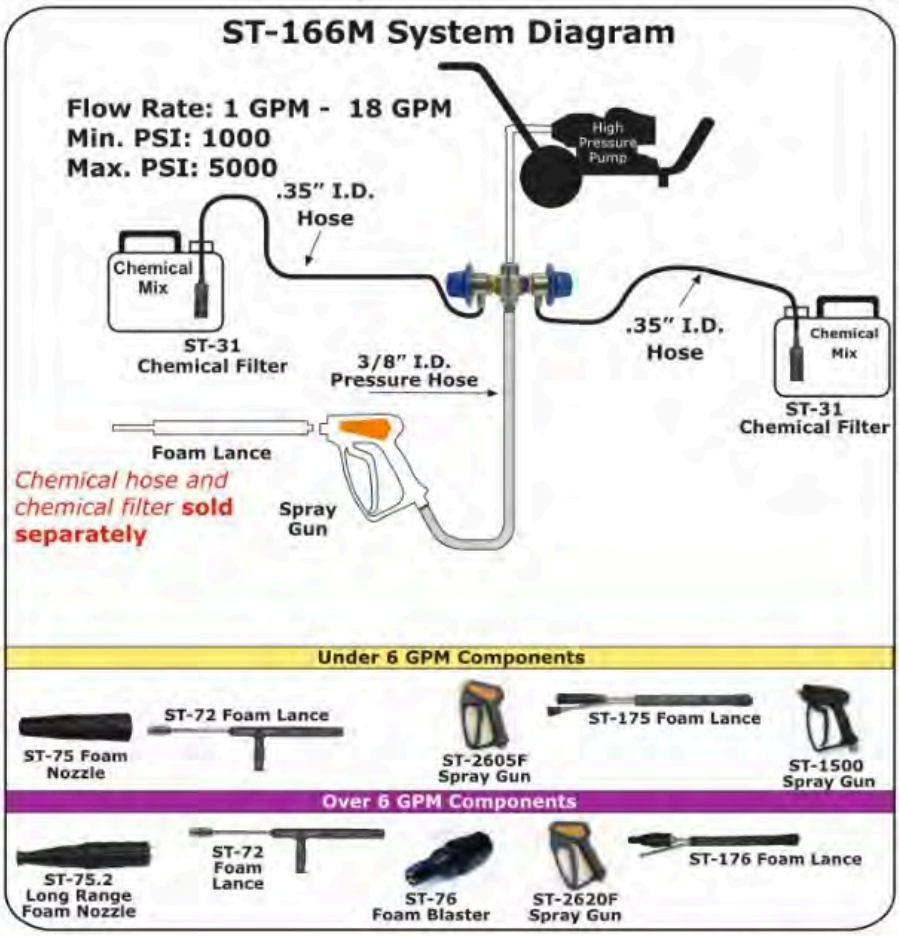
*with ST-161 metering valves*

| ORDER # | NOZZLE / ORIFICE |
|---|---|
| 200166600 | 3.5 |
| 200166605 | 4.0 |
| 200166620 | 6.0 |
| 200166625 | 7.0 |
| 200166640 | 9.0 |
| 200166670 | 15.0 |

- Designed to inject and mix 2 chemicals simultaneously
- Durable stainless steel
- Multiple metering positions
- Temperature: 194° F
- Inlet: 3/8" F
- Outlet: 3/8" M
- Pressure: 1000-5000 PSI
- Flow Rate: 1-18 GPM
- Weight: 1.35 lb
- ***Optimum foam created 130°F or less***

**** Also available: Extreme chemical injectors for PH Level 2.0 or below***

Available in all orifice sizes



## ST-167 CHEMICAL BYPASS INJECTOR *(stainless steel)*

*With integrated lever that allows you to go from chemical to rinse*

| ORDER # | NOZZLE / ORIFICE |
|---|---|
| 200167500 | 3.0 |
| 200167501 | 3.5 |
| 200167502 | 4.0 |
| 200167503 | 4.5 |
| 200167504 | 5.5 |
| 200167505 | 6.0 |
| 200167506 | 7.0 |
| 200167507 | 8.0 |
| 200167508 | 8.5 |
| 200167509 | 9.0 |
| 200167510 | 10.0 |
| 200167511 | 11.0 |
| 200167512 | 12.0 |
| 200167513 | 12.5 |
| 200167514 | 14.0 |
| 200167515 | 15.0 |
| 200167516 | 18.0 |

- Food grade quality and specifications
- Integrated lever that allows you to go from disinfectant to foam to rinse
- Durable stainless steel construction
- 10 dosing nozzles included. (see page 108 for dilution ratios)
- Temperature: 212° F
- Inlet: 3/8" F
- Outlet: 3/8" F
- Pressure:
- Flow Rate
- Weight: 2.38 lb
- ***Optimum foam created 130°F or less***

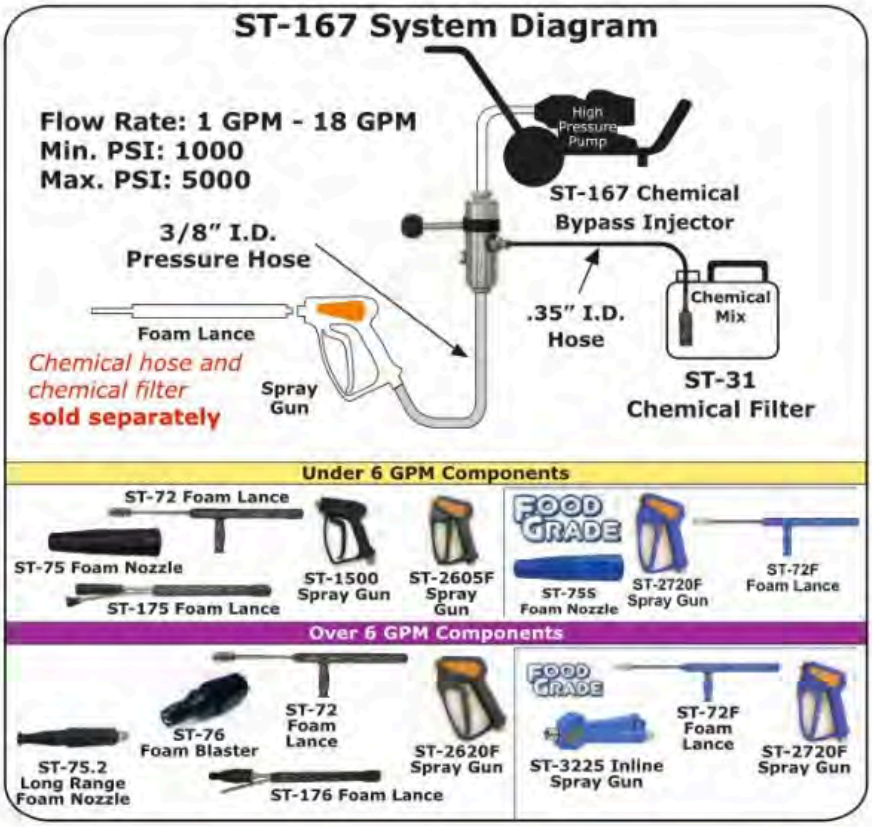
**** Also available: Extreme chemical injectors for PH Level 2.0 or below***

Available in all orifice sizes

### *MOUNTING BRACKET:*

***Included with Injector***

*#200168420*



***Also available:***
Two component inlet
#200164355
*see page 116*

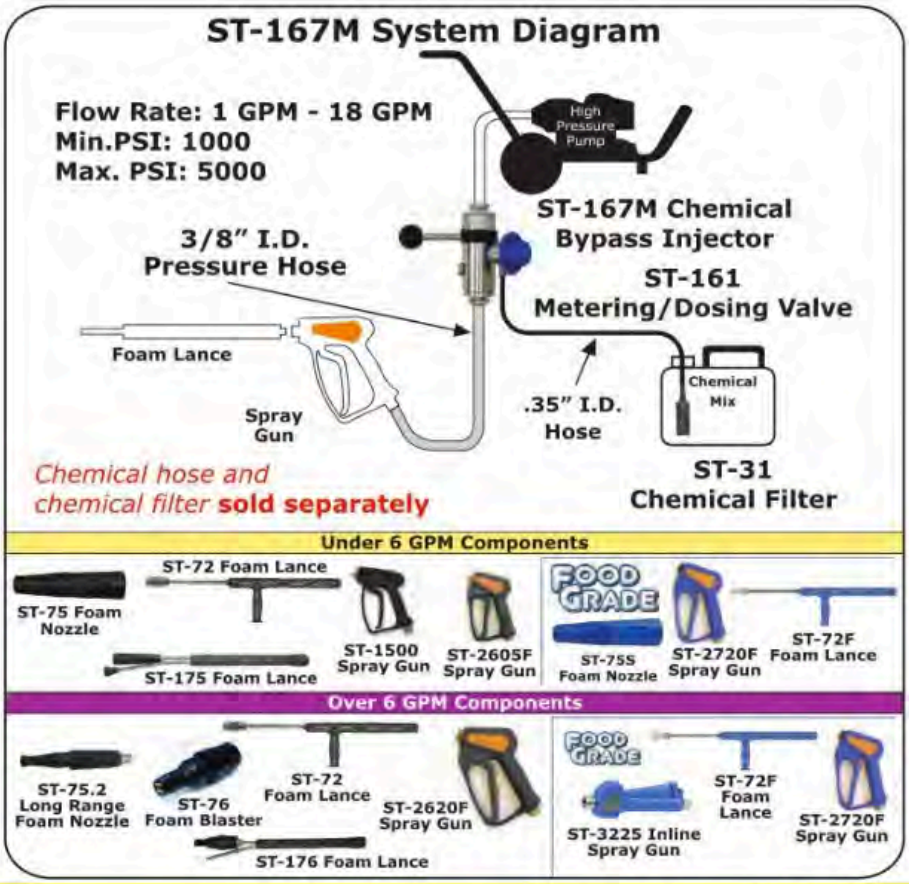
## ST-167M CHEMICAL BYPASS INJECTOR *(stainless steel)*

*w/ ST-161 metering/dosing valve*

FOOD GRADE

| ORDER # | NOZZLE / ORIFICE |
|---|---|
| 200167600 | 3.0 |
| 200167601 | 3.5 |
| 200167602 | 4.0 |
| 200167603 | 4.5 |
| 200167604 | 5.5 |
| 200167605 | 6.0 |
| 200167606 | 7.0 |
| 200167607 | 8.0 |
| 200167608 | 8.5 |
| 200167609 | 9.0 |
| 200167610 | 10.0 |
| 200167611 | 11.0 |
| 200167612 | 12.0 |
| 200167613 | 12.5 |
| 200167614 | 14.0 |
| 200167615 | 15.0 |
| 200167616 | 18.0 |

- Food grade quality and specifications
- Integrated lever that allows you to go from disinfectant to foam to rinse
- Multiple metering positions
- Temperature: 212° F
- Inlet: 3/8" F
- Outlet: 3/8" F
- Pressure: 1000-5000 PSI
- Flow Rate: 1-18 GPM
- Weight: 2.7 lb
- ***Optimum foam created 130°F or less***




### *MOUNTING BRACKET:*

***Included with Injector***

*#200168420*

***Also available:***
Two component inlet
#200164355
*see page 116*

FOOD GRADE

## ST-168 CHEMICAL BYPASS INJECTOR *(stainless steel)*

| ORDER # | NOZZLE / ORIFICE |
|---|---|
| 200168500 | 3.0 |
| 200168505 | 3.5 |
| 200168515 | 4.0 |
| 200168525 | 4.5 |
| 200168535 | 5.5 |
| 200168545 | 6.0 |
| 200168555 | 7.0 |
| 200168556 | 8.0 |
| 200168558 | 8.5 |
| 200168559 | 9.0 |
| 200168560 | 10.0 |
| 200168561 | 11.0 |
| 200168562 | 12.0 |
| 200168565 | 12.5 |
| 200168564 | 14.0 |
| 200168565 | 15.0 |
| 200168568 | 18.0 |

- Food grade quality and specifications
- Integrated lever that allows you to go from disinfectant to foam to rinse
- Durable stainless steel construction
- 10 dosing nozzles included (see page 108 for dilution ratios)
- Temperature: 212° F
- Inlet: 3/8" F
- Outlet: 1/2" F
- Pressure: 90-5000 PSI
- Flow Rate: 1-18 GPM
- Weight: 2.38 lb
- ***Optimum foam created 130°F or less***

* ***Also available: Extreme chemical injectors for PH Level 2.0 or below***

Available in all orifice sizes

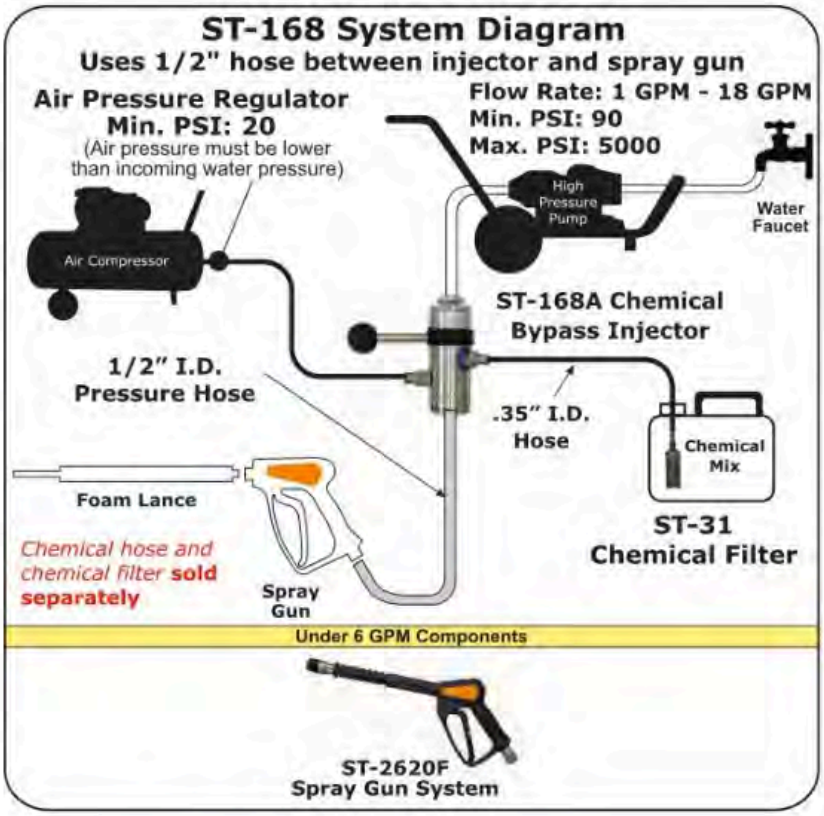
### *MOUNTING BRACKET:*

***Included with Injector***

*#200168420*

***The use of compressed air provides energy to propel foam faster and farther during application***

***Also available:***
Two component inlet
#200164355
*see page 116*



## ST-168M CHEMICAL BYPASS INJECTOR *(stainless steel)*

*w/ ST-161 metering/dosing valve & air module*

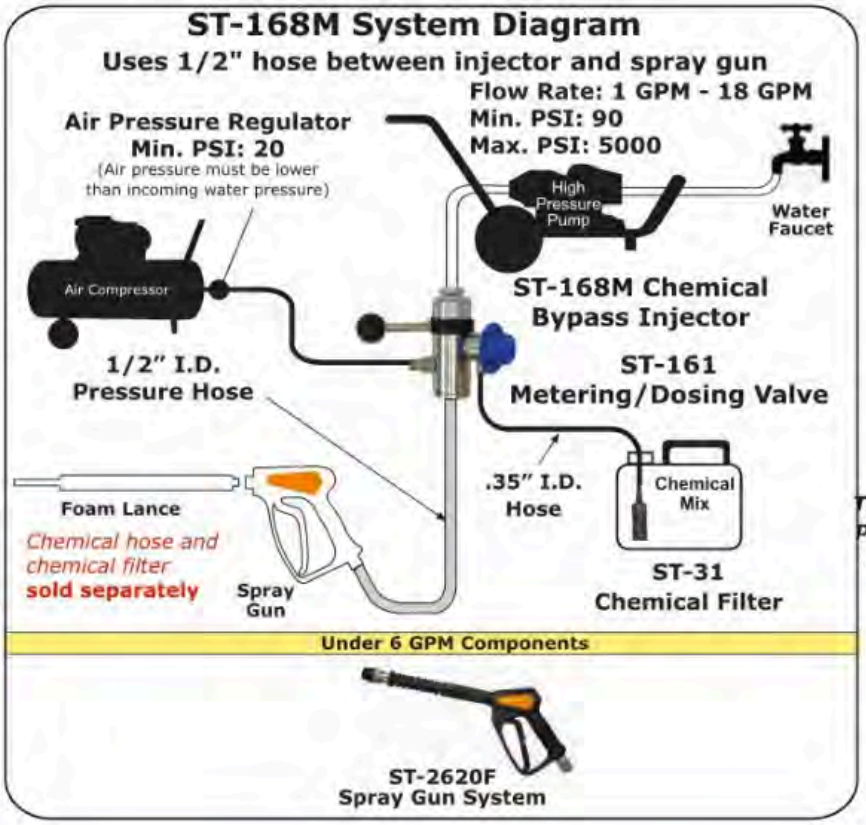
FOOD GRADE

| ORDER # | NOZZLE / ORIFICE |
|---|---|
| 200168600 | 3.0 |
| 200168601 | 3.5 |
| 200168602 | 4.0 |
| 200168603 | 4.5 |
| 200168604 | 5.5 |
| 200168605 | 6.0 |
| 200168606 | 7.0 |
| 200168607 | 8.0 |
| 200168608 | 8.5 |
| 200168609 | 9.0 |
| 200168610 | 10.0 |
| 200168612 | 11.0 |
| 200168614 | 12.0 |
| 200168616 | 12.5 |
| 200168617 | 14.0 |
| 200168618 | 15.0 |
| 200168619 | 18.0 |

- Food grade quality and specifications
- Integrated lever that allows you to go from disinfectant to foam to rinse
- Multiple metering positions
- Uses compressed air
- Temperature: 212° F
- Inlet: 3/8" F
- Outlet: 1/2" F
- Pressure: 90-5000 PSI
- Flow Rate: 1-18 GPM
- Weight: 2.7 lb
- ***Optimum foam created 130°F or less***

**** Also available: Extreme chemical injectors for PH Level 2.0 or below***

Available in all orifice sizes




### MOUNTING BRACKET:

***Included with Injector***

*#200168420*

***The use of compressed air provides energy to propel foam faster and farther during application***

***Also available:***
Two component inlet
#200164355
*see page 116*

## DOSING NOZZLES *(used to control chemical draw)*

*ST-160 Injector, ST-167 and ST-168 Bypass Injectors come with 10 dosing nozzle inserts. ST-164 & ST-166 Injectors come with 20 dosing nozzle inserts. ST-160.3A injector come with 30 dosing nozzle inserts.* ***Additional nozzles available.***

| ORDER # | INJECTOR |
|---|---|
| 200163340 | For Chemical Injectors |
| 200163335X | For ***Extreme*** Chemical Injectors |

**Location of dosing nozzles on injectors**

ST-160

ST-160.3A

ST-164

ST-166

ST-167/ST-168

## DOSING NOZZLE DILUTION RATIOS

*The chart below shows dosing nozzle size. The percentage of draw may vary, because of the chemical viscosity.*

| Dosing Nozzle Size | % Chemical Draw | Ratio |
|---|---|---|
| 0.5 | 0.5% | 200:1 |
| 0.6 | 0.8% | 125:1 |
| 0.7 | 1.0% | 100:1 |
| 1.0 | 2.5% | 40:1 |
| 1.1 | 3.0% | 33:1 |
| 1.2 | 4.0% | 25:1 |
| 1.3 | 5.0% | 20:1 |
| 1.5 | 8.0% | 12.5:1 |
| 1.7 | 9.0% | 11.25:1 |
| 2.0 | 10.0% | 10:1 |

*The size of each dosing nozzle is marked on the lip of the individual nozzle*

*Simply press the dosing nozzle into the barb as illustrated*

## ST-73 FOAMER

*Convenient and portable for more effective foam cleaning for Industrial, Agriculture, Automotive/Fleet and Institutional applications*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | BOTTLE SIZE | WEIGHT |
|---|---|---|---|---|---|---|
| 200073907 | 1000 - 4350 PSI | 130° F | up to 5 GPM | 1/4" F | 32 oz | 1.10 lb |
| 200073906 | 1000 - 4350 PSI | 130° F | up to 5 GPM | 1/4" F | 64 oz | 1.20 lb |

- 5 position metering valve for chemical draw
- Stainless steel non-corrosive injector
- Easy to fill wide mouth bottle with fill markings
- Integrated injector (1.5 mm) (no additional injector required)

### ALSO AVAILABLE:

- *32 oz bottle only#020073513*
- *64 oz bottle only #020073520*

Scan QR code to watch a short demo

*https://www.youtube.com/watch?v=phQMXtrJFqk*

5 position metering valve

| POSITION | DILUTION RATE |
|---|---|
| 1 | 2 - 2.5% |
| 2 | 4 - 4.5% |
| 3 | 5 - 5.5% |
| 4 | 6.5 – 7% |
| 5 | 7.5 - 8% |

## ST-73H FOAMER *(high volume)*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | BOTTLE SIZE | WEIGHT |
|---|---|---|---|---|---|---|
| 200073916 | 1000 - 4350 PSI | 130° F | up to 8 GPM | 1/4" F | 64 oz | 1.20 lb |

- 5 position metering valve for chemical draw
- Stainless steel non-corrosive injector
- Easy to fill wide mouth bottle with fill markings
- Integrated injector (1.8 mm) (no additional injector required)

### ALSO AVAILABLE:

- *Bottle only currently available in 64 oz bottle #020073520*

Easily change the spray pattern from vertical to horizontal

## ST-75 FOAM NOZZLE

*Produces thick foam for an easy and safe application and to save on chemical usage by reducing splash and drift of chemicals in conjunction with Suttner injectors*

| ORDER # | PRESSURE | TEMP. | INLET | ORIFICE | WEIGHT |
|---|---|---|---|---|---|
| 200075548 | 5000 PSI | 212° F | 1/4" F | 3.0 | .31 lb |
| 200075549 | 5000 PSI | 212° F | 1/4" F | 4.0 | .31 lb |
| 200075552 | 5000 PSI | 212° F | 1/4" F | 5.0 | .31 lb |
| 200075550 | 5000 PSI | 212° F | 1/4" F | 5.5 | .31 lb |
| 200075551 | 5000 PSI | 212° F | 1/4" F | 6.5 | .31 lb |
| 200075547 | 5000 PSI | 212° F | 1/4" F | 7.5 | .31 lb |
| 200075554 | 5000 PSI | 212° F | 1/4" F | 8.0 | .31 lb |
| 200075553 | 5000 PSI | 212° F | 1/4" F | 10.0 | .31 lb |
| 200075555 | 5000 PSI | 212° F | 1/4" F | 13.0 | .31 lb |
| 200075556 | 5000 PSI | 212° F | 1/4" F | 15.0 | .31 lb |
| 200075557 | 5000 PSI | 212° F | 1/4" F | 20.0 | .31 lb |

- Saves time and money
- Flow Rate: 1 - 6 GPM
- Foam injector required
- ***Optimum foam created 130°F or less***

Scan QR code to watch a short demo

*https://www.youtube.com/watch?v=KJxLKSWITcw*

---

FOOD GRADE

Easily change the spray pattern from vertical to horizontal

## ST-75S FOAM NOZZLE *(stainless steel)*

*ST- 75S produces thick foam for an easy and safe application and to save on chemical usage by reducing splash and drift of chemicals*

| ORDER # | PRESSURE | TEMP. | INLET | ORIFICE | WEIGHT |
|---|---|---|---|---|---|
| 200075574 | 4000 PSI | 212° F | 1/4" F | 5.0 | .31 lb |
| 200075572 | 4000 PSI | 212° F | 1/4" F | 8.0 | .31 lb |
| 200075573 | 4000 PSI | 212° F | 1/4" F | 10.0 | .31 lb |
| 200075575 | 4000 PSI | 212° F | 1/4" F | 13.0 | .31 lb |
| 200075576 | 4000 PSI | 212° F | 1/4" F | 15.0 | .31 lb |
| 200075577 | 4000 PSI | 212° F | 1/4" F | 20.0 | .31 lb |

- With stainless steel "wool" like foam pad
- Foam injector required

---

NEW!

FOOD GRADE

## FOAM NOZZLE

| ORDER # | PRESSURE | TEMP. | ORIFICE SIZE | INLET | LENGTH | WEIGHT |
|---|---|---|---|---|---|---|
| 203100910 | 700 PSI | 140° F | 200.0 | 1/4" M | 3.50 in. | .80 lb |

- Spraying Pattern: 50°
- Made of polypropylene
- Use with Suttner's ST-510 Spray Gun
- Private Label Availability
- Also available in red, blue, green or yellow

*Shown here on ST-510; products sold separately*

Front view: Equipped with a foam strainer

## ST-75.2 LONG RANGE FOAM NOZZLE

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | ORIFICE | WEIGHT |
|---|---|---|---|---|---|---|
| 200075800065 | 2175 PSI | 100° F | up to 7 GPM | 1/4" FPT | 6.5 | .75 lb |
| 200075800070 | 2175 PSI | 100° F | up to 7 GPM | 1/4" FPT | 7.0 | .75 lb |
| 200075800075 | 2175 PSI | 100° F | up to 7 GPM | 1/4" FPT | 7.5 | .75 lb |
| 200075800080 | 2175 PSI | 100° F | up to 7 GPM | 1/4" FPT | 8.0 | .75 lb |
| 200075800100 | 2175 PSI | 100° F | up to 7 GPM | 1/4" FPT | 10.0 | .75 lb |
| 200075800130 | 2175 PSI | 100° F | up to 7 GPM | 1/4" FPT | 13.0 | .75 lb |
| 200075800150 | 2175 PSI | 100° F | up to 7 GPM | 1/4" FPT | 15.0 | .75 lb |
| 200075810130 | 2175 PSI | 100° F | up to 12 GPM | 1/4" FPT | 13.0 | .75 lb |
| 200075810150 | 2175 PSI | 100° F | up to 12 GPM | 1/4" FPT | 15.0 | .75 lb |
| 200075810200 | 2175 PSI | 100° F | up to 12 GPM | 1/4" FPT | 20.0 | .75 lb |

- 1/4" Stainless steel inlet
- Adjustable airflow
- Throws foam 40 feet
- ***Optimum foam created 130°F or less***

Scan QR code to watch a short demo

https://www.youtube.com/watch?v=Twk8-gQP50s

## ST-76 FOAM BLASTER

*Use for high volume applications*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | ORIFICE | WEIGHT |
|---|---|---|---|---|---|---|
| 200076609 | 3625 PSI | 194° F | 6 - 16 GPM | 1/2" F | (3) 3.0 | 1.15 lb |
| 200076612 | 3625 PSI | 194° F | 6 - 16 GPM | 1/2" F | (3) 4.0 | 1.15 lb |
| 200076615 | 3625 PSI | 194° F | 6 - 16 GPM | 1/2" F | (3) 5.0 | 1.15 lb |
| 200076616 | 3625 PSI | 194° F | 6 - 16 GPM | 1/2" F | (3) 5.5 | 1.15 lb |
| 200076618 | 3625 PSI | 194° F | 6 - 16 GPM | 1/2" F | (3) 6.5 | 1.15 lb |
| 200076621 | 3625 PSI | 194° F | 6 - 16 GPM | 1/2" F | (3) 7.0 | 1.15 lb |
| 200076600 | 3625 PSI | 194° F | 6 - 16 GPM | 1/2" F | (3) 7.5 | 1.15 lb |
| 200076624 | 3625 PSI | 194° F | 6 - 16 GPM | 1/2" F | (3) 8.0 | 1.15 lb |
| 200076630 | 3625 PSI | 194° F | 6 - 16 GPM | 1/2" F | (3) 10.0 | 1.15 lb |
| 200076633 | 3625 PSI | 194° F | 6 - 16 GPM | 1/2" F | (3) 11.0 | 1.15 lb |
| 200076639 | 3625 PSI | 194° F | 6 - 16 GPM | 1/2" F | (3) 13.0 | 1.15 lb |
| 200076645 | 3625 PSI | 194° F | 6 - 16 GPM | 1/2" F | (3) 15.0 | 1.15 lb |

- Stainless steel injector nozzle
- Covers large areas
- 50° x 200 mm orifice
- Wider spray angle
- Throws foam 40 feet
- Foam injector required
- For applications of 6 GPM or higher

Scan QR code to watch a short demo

https://www.youtube.com/watch?v=pCoizFgZakk

## TURBO FOAM BRUSH

*Foam like your at a car wash, brush bristles made from Chinese Highland Hogs, soft for delicate surfaces*

| ORDER # | PRESSURE | TEMP. | INLET | FLOW RATE | ORIFICE | WEIGHT |
|---|---|---|---|---|---|---|
| 200023710040 | 2200 PSI | 122° F | 1/4" FPT | 6 GPM | 4.0 | 1.35 lb |
| 200023710080 | 2200 PSI | 122° F | 1/4" FPT | 6 GPM | 8.0 | 1.35 lb |
| 200023710100 | 2200 PSI | 122° F | 1/4" FPT | 6 GPM | 10.0 | 1.35 lb |
| 200023710130 | 2200 PSI | 122° F | 1/4" FPT | 6 GPM | 13.0 | 1.35 lb |

- Increases volume of foam without changing chemical intake
- Reduces chemical intake without changing foam consistency

Scan QR code to watch a short demo

*https://www.youtube.com/watch?v=gHXs7VMZ4uk*

---

#200175420

#200175430

## ST-175 FOAM LANCE

*(w/ ST-58 change-over valve, stainless steel)*

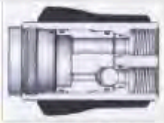
| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | LENGTH | WEIGHT |
|---|---|---|---|---|---|---|
| 200175420 | 5000 PSI | 212° F | 1-6 GPM | 1/4" F | 29 in. | 2.7 lb |
| 200175430 | 5000 PSI | 212° F | 1-6 GPM | 1/4" F | 47 in. | 3.65 lb |

- Stainless steel components
- Vented grip lance
- 1/4" turn for foam to rinse
- ***Injector nozzle sold separately***

Scan QR code to watch a short demo

*https://www.youtube.com/watch?v=2_sNfU9at0w*

*Twist for foam or rinse*



*Internal view*

*Vented grip handle*

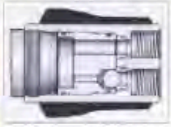
*Use double nipple to attach accessories #57040 Brass #57049 S.S. (see page 115)*

## ST-176 FOAM LANCE *(stainless steel)*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | LENGTH | WEIGHT |
|---|---|---|---|---|---|---|
| 200176410 | 3625 PSI | 212° F | 6-16 GPM | 1/4" F | 27.5 in. | 3.45 lb |

- Stainless steel components
- Vented grip lance
- 1/4" turn for foam to rinse
- ***Injector nozzle sold separately***

*Twist for foam or rinse*



*Internal view*

*Use double nipple to attach accessories #57040 Brass #57049 S.S. (see page XX)*

*Vented grip handle*

### ALSO AVAILABLE:

*ST-58 Change-Over Valve*

| ORDER # | PRESSURE | TEMP. | INLET | WEIGHT |
|---|---|---|---|---|
| 200058600 | 5000 PSI | 200° F | 1/4" FPT | .85 lb |

- Stainless steel
- No roll-over nozzle
- Corrosive resistant

---

## ST-72 FOAM LANCE

*Air injector nozzle creates pressure*

| ORDER # | PRESSURE | TEMP. | ORIFICE | INLET | LENGTH | WEIGHT | COLOR |
|---|---|---|---|---|---|---|---|
| 200072500 | 3625 PSI | 130° F | 9.5 | 1/4" M | 23.5" | 1.95 lb | Green |
| 200072600 | 3625 PSI | 130° F | 9.5 | 1/4" M | 47.25" | 2.45 lb | Green |
| 200072510 | 3625 PSI | 130° F | 13.0 | 1/4" M | 23.5" | 1.95 lb | Yellow |
| 200072610 | 3625 PSI | 130° F | 13.0 | 1/4" M | 47.25" | 2.45 lb | Yellow |
| 200072525 | 3625 PSI | 130° F | 22.0 | 1/4" M | 23.5" | 1.95 lb | Blue |
| 200072526 | 3625 PSI | 130° F | 22.0 | 1/4" M | 47.25" | 2.45 lb | Blue |
| 200072520 | 3625 PSI | 130° F | 25.0 | 1/4" M | 23.5" | 1.95 lb | Red |
| 200072620 | 3625 PSI | 130° F | 25.0 | 1/4" M | 47.25" | 2.45 lb | Red |

- Stainless steel with vented handle grip
- ***Optimum foam created 130°F or less***

*Vented grip handle*

*Color coded orifice indicators on lance*

*Orifice Indicator located on lance*

## ST-72F FOAM LANCE

*Air injector nozzle creates pressure*

| ORDER # | PRESSURE | TEMP. | ORIFICE | INLET | LENGTH | WEIGHT | COLOR |
|---|---|---|---|---|---|---|---|
| 200072630 | 3625 PSI | 130° F | 9.5 | 1/4" MPT | 23.5" | 1.50 lb | Green |
| 200072635 | 3625 PSI | 130° F | 13.0 | 1/4" MPT | 23.5" | 1.50 lb | Yellow |
| 200072641 | 3625 PSI | 130° F | 22.0 | 1/4" MPT | 23.5" | 1.50 lb | Blue |

- Stainless steel with vented handle grip
- Foam injector not required (consult tech support)
- ***Optimum foam created 130°F or less***

*Vented grip handle*

*Color coded orifice indicators on lance*

*Orifice Indicator located on lance*

## ST-3100 COUPLINGS *(stainless steel)*

| ORDER # | PRESSURE | TEMP. | DESCRIPTION | WEIGHT |
|---|---|---|---|---|
| 203100457 | 5000 PSI | 302° F | 1/2" FPT | .35 lb |
| 203100656 | 5000 PSI | 302° F | 1/2" MPT | .35 lb |

- High pressure couplings

#203100457 #203100656

### ALSO AVAILABLE:

- *Replacement O-rings (two o-rings required)*

| ORDER # | SIZE |
|---|---|
| 050000660 | 18 x 2 |
| 050000670 | 15.1 x 2.7 |

*#050000660 18 x 2* *#050000670 15.1 x 2.7*

## ST-3100 PLUGS *(stainless steel)*

| ORDER # | PRESSURE | TEMP. | DESCRIPTION | WEIGHT |
|---|---|---|---|---|
| 040005665 | 5000 PSI | 302° F | 1/4" FPT Plug | .16 lb |
| 040005661 | 5000 PSI | 302° F | 1/2" FPT Plug | .16 lb |
| 040005662 | 5000 PSI | 302° F | 1/4" MPT Plug | .16 lb |
| 040005659 | 5000 PSI | 302° F | 1/2" MPT Plug | .16 lb |

- High pressure plugs

*#040005659* *#040005661* *#040005662* *#040005665*

## ST-75 REPLACEMENT SCREEN & PAD

| ORDER # | DESCRIPTION |
|---|---|
| 020000606 | ST-75 replacement screen |
| 040073503 | ST-75 replacement pad |

*Place the mesh into the nozzle (folded end first)*

#020000606

#040073503

## REDUCING BUSHING *(stainless steel)*

| ORDER # | PRESSURE | TEMP. | DESCRIPTION | WEIGHT |
|---|---|---|---|---|
| 57559 | 5000 PSI | 300° F | 3/8" F x 1/2" M | .08 lb |

## DOUBLE NIPPLE *(stainless steel)*

| ORDER # | PRESSURE | TEMP. | DESCRIPTION | WEIGHT |
|---|---|---|---|---|
| 57049 | 5000 PSI | 300° F | 1/4" M x 1/4" M | .08 lb |

## DOUBLE NIPPLE *(brass)*

| ORDER # | PRESSURE | TEMP. | DESCRIPTION | WEIGHT |
|---|---|---|---|---|
| 57040 | 4000 PSI | 300° F | 1/4" M x 1/4" M | .08 lb |

## REDUCING NIPPLE *(stainless steel)*

| ORDER # | PRESSURE | TEMP. | DESCRIPTION | WEIGHT |
|---|---|---|---|---|
| 57549 | 5000 PSI | 300° F | 1/2" M x 1/4" F | .08 lb |

## FOAM INJECTOR TWO COMPONENT INLET

*(stainless steel)*

| ORDER # |
|---|
| 200164355 |

- Easily connects to all chemical intake injectors
- Swiveling Inlet
- FEPM seals as standard

*Shown here with injector-not included*

---

## ST-161 METERING VALVE *(stainless steel)*

| ORDER # | TEMP. | HOSE BARB | WEIGHT |
|---|---|---|---|
| 200161500 | 212° F | .35" | 1.75 lb |

- Fits foam injectors: ST-160, ST-164, ST-166, ST-167 and ST-168
- Eliminates the need for dosing nozzles
- Adjustable

*Easy to read dial*

---

## ST-161 STOP NUT *(stainless steel)*

| ORDER # |
|---|
| 040003566 |

- Preset dosing valve and replace dial with stop nut so it can't be adjusted

*Shown here with injector-not included*

---

## ST-32 CHEMICAL STRAINER *(stainless steel)*

*Soap enters through strainer preventing debris from entering the pump. A durable alternative to lightweight strainers.*

| ORDER # | HOSE BARB | MATERIAL | WEIGHT |
|---|---|---|---|
| 200032600 | 5/16" or 3/8" | Stainless Steel | .06 lb |

- Chemical resistant plastic screen outperforms stainless steel screens
- Straight through design
- 4 ft clear hose available, #900000041

---

## NYLON HOSES *(reinforced pvc)*

| ORDER # | TEMP. | I.D. | COLOR |
|---|---|---|---|
| 080000004 | 140° F | .35" | Clear (universal) |
| 080000310 | 140° F | .35" | Blue (foam) |
| 080000320 | 140° F | .35" | Yellow (disinfectant) |

- Reinforced with (5) layers of PVC
- Price per foot (available in any length)

# PRESSURE WASHER ACCESSORIES


Flow Switches.....118
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Sanitizing & Disinfecting.....145

## ST-5 FLOW SWITCH *(brass housing, 4380 psi)*

***Vertical mounting** position and free floating brass magnet configuration*

| ORDER # | PRESSURE | TEMP. | FLOW RATE |
|---|---|---|---|
| 200005542 | 75 - 4380 PSI | 176° F | 1.0 - 8.0 GPM |

| INLET | OUTLET | WEIGHT | BOX QTY |
|---|---|---|---|
| 3/8" FPT | 3/8" FPT | .98 lb | 25 |

**Replacement reed switch:** #200005435
**Replacement float:** #200005519

- Mounts further downstream in pumping system than traditional vacuum switches, thereby minimizing potential leak points that can cause vacuum switches to close
- Easy brass reed switch replacement

5075 PSI

## ST-5 FLOW SWITCH *(brass housing, 5075 psi)*

*Mounts in **any position** with a free floating magnet configuration*

| ORDER # | PRESSURE | TEMP. | FLOW RATE |
|---|---|---|---|
| 200005601 | 75 - 5075 PSI | 176° F | 1.0 - 7.8 GPM |

| INLET | OUTLET | WEIGHT | BOX QTY |
|---|---|---|---|
| 3/8" FPT | 3/8" FPT | .98 lb | 25 |

**Replacement reed switch:** #200005435
**Replacement float:** #200005519

- Mounts further downstream in pumping system than traditional vacuum switches, thereby minimizing potential leak points that can cause vacuum switches to close
- Easy brass reed switch replacement

High Flow

## ST-5 FLOW SWITCH *(brass housing, high flow)*

*Mounts in **any position** with a free floating magnet configuration*

| ORDER # | PRESSURE | TEMP. | FLOW RATE |
|---|---|---|---|
| 200005571 | 75 - 3046 PSI | 176° F | 4 - 16 GPM |

| INLET | OUTLET | WEIGHT | BOX QTY |
|---|---|---|---|
| 3/8" MPT | 3/8" MPT | .80 lb | 25 |

**Replacement reed switch:** #200005435
**Replacement float:** #200005528

- Mounts further downstream in pumping system than traditional vacuum switches, thereby minimizing potential leak points that can cause vacuum switches to close
- Easy brass reed switch replacement

## ST-6 FLOW SWITCH *(brass housing, 5070 psi)*

*Mounts in **any position** and spring assisted brass magnet configuration*

| ORDER # | PRESSURE | TEMP. | FLOW RATE |
|---|---|---|---|
| 200006703 | 75 - 5070 PSI | 176° F | 1.0 - 8.0 GPM |

| INLET | OUTLET | WEIGHT | BOX QTY |
|---|---|---|---|
| 3/8" MPT | 3/8" MPT | .80 lb | 50 |

**Replacement reed switch:** #200005435
**Replacement float:** #200006490

- Mounts further downstream in pumping system than traditional vacuum switches, thereby minimizing potential leak points that can cause vacuum switches to close
- Easy brass reed switch replacement
- Can be mounted horizontal or vertical

## ST-7 FLOW SWITCH *(with micro switch)*

*Mounts in **any position** and spring assisted brass magnet configuration*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | SWITCH POINT |
|---|---|---|---|---|
| 200007500 | 75 - 5000 PSI | 176° F | 12 GPM | 1.2 GPM |
| 200007510 | 75 - 5000 PSI | 176° F | 12 GPM | 0.3 GPM |

| INLET | OUTLET | WEIGHT | BOX QTY |
|---|---|---|---|
| 3/8" FPT | 3/8" FPT | .80 lb | 50 |

**Replacement micro switch:** #200007498
**#200007500 replacement float:** #200007497
**#200007510 replacement float:** #200007496

- With micro-switch instead of reed switch
- Easy to install
- Resistant against shock and vibration
- IP 65 rated-water and dust proof
- Can be wired normally opened or closed

---

## ST-505 FLOW SWITCH *(stainless steel, 8700 psi)*

***Vertical mounting position** and free floating brass magnet configuration*

| ORDER # | PRESSURE | TEMP. | FLOW RATE |
|---|---|---|---|
| 200505706 | 75 - 8700 PSI | 180° F | 1.0 - 7.8 GPM |

| INLET | OUTLET | WEIGHT | BOX QTY |
|---|---|---|---|
| 3/8" FPT | 3/8" FPT | .90 lb | 50 |

**Replacement reed switch:** #200005435
**Replacement float:** #200005300

- Mounts further downstream in pumping system than traditional vacuum switches, thereby minimizing potential leak points that can cause vacuum switches to close
- Easy brass reed switch replacement
- **3/8" bonded seal #78888389 is recommended to seal inlet and outlet threads**

---

## ST-7.1 PRESSURE SWITCH

| ORDER # | PRESSURE | TEMP. | SWITCH POINT | INLET | COLOR |
|---|---|---|---|---|---|
| 200007800 | 4350 PSI | 190° F | 580 PSI | 1/4" MPT | Black |
| 200007801 | 4350 PSI | 190° F | 360 PSI | 1/4" MPT | Red |

- Compact design
- Split piston for water and electrical side
- Easy to install
- IP 65 rated-water and dust proof
- Can be wired normally opened or closed
- Max 10 Amps Rating

## Suttner's Unloader Features:

- *Working components constructed of high-grade stainless steel*
- *PTFE and Viton seals for maximum heat and chemical resistance*
- *Straight flow-through design minimizes pressure loss through valve*
- *Adjustable valve allows limit setting on both maximum and minimum pressures*
- *Internal bypass valve can be easily accessed and repaired without removing unloader from unit*

## ST-261 UNLOADER VALVE *(pressure compensating)*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET |
|---|---|---|---|---|
| 200261500 | 500 - 3625 PSI | 176° F | 8 GPM | 3/8" FPT |

| OUTLET | BYPASS | WEIGHT | BOX QTY |
|---|---|---|---|
| 3/8" FPT | 1/4" FPT | 1.34 lb | 25 |

## ST-261C UNLOADER VALVE *(pressure compensating)*

*Lower PSI setting.* ***Ideal for carpet cleaners.***

*Spring for #200261504*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET |
|---|---|---|---|---|
| 200261504 | 200 - 1000 PSI | 176° F | 8 GPM | 3/8" FPT |

| OUTLET | BYPASS | WEIGHT | BOX QTY |
|---|---|---|---|
| 3/8" FPT | 1/4" FPT | 1.34 lb | 25 |

**Repair Kits:**
Valve #200261526
Bypass #200261528

## ST-261T UNLOADER VALVE

*(tamperproof,* ***pressure compensating****)*

*Allows you to preset unloader and glue on cover so it can't be readjusted.* ***Ideal for rental machines.***

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET |
|---|---|---|---|---|
| 200261503 | 200 - 1000 PSI | 176° F | 8 GPM | 3/8" FPT |

| OUTLET | BYPASS | WEIGHT | BOX QTY |
|---|---|---|---|
| 3/8" FPT | 1/4" FPT | 1.34 lb | 25 |

**Repair Kits:**
Valve #200261526
Bypass #200261528
Replacement Cap #020000277

- Great for rental machines

## ST-261I UNLOADER VALVE

*(with chemical injector, **pressure compensating**)*

*Built-in exclusive down stream (venturi-type) injector with built in orifice provides more precise siphon rate*

| ORDER # | PRESSURE | INJECTOR FLOW RATE | ORIFICE | TEMP. |
|---|---|---|---|---|
| 200261560 | 500 - 3625 PSI | 1.50-2.25 GPM | 1.8 mm | 176° F |
| 200261570 | 500 - 3625 PSI | 2.25-3.35 GPM | 2.1 mm | 176° F |
| 200261580 | 500 - 3625 PSI | 3.35-5.00 GPM | 2.4 mm | 176° F |

| BYPASS | FLOW RATE | INLET | OUTLET | WEIGHT |
|---|---|---|---|---|
| 1/4" FPT | 8 GPM | 3/8" FPT | 3/8" FPT | 1.40 lb |

**Repair Kits:** Valve #200261526
Bypass #200261528
Injector #200060720

- Convenient downstream built-in chemical injector

## ST-261S UNLOADER VALVE

*(with micro-switch, **pressure compensating**)*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET |
|---|---|---|---|---|
| 200261550 | 500 - 3625 PSI | 176° F | 8 GPM | 3/8" FPT |

| OUTLET | BYPASS | WEIGHT | BOX QTY |
|---|---|---|---|
| 3/8" FPT | 3/8" FPT | 3/8" FPT | 25 |

**Repair Kits:** Valve #200261526
Bypass #200261528
Switch Kit #200261527

- Normally open in bypass

## ST-261SI UNLOADER VALVES

*(with micro-switch & chemical injector, **pressure compensating**)*

| ORDER # | PRESSURE | INJECTOR FLOW RATE | ORIFICE | TEMP. |
|---|---|---|---|---|
| 200261561 | 500 - 3625 PSI | 1.50-2.25 GPM | 1.8 mm | 176° F |
| 200261571 | 500 - 3625 PSI | 2.25-3.35 GPM | 2.1 mm | 176° F |
| 200261581 | 500 - 3625 PSI | 3.35-5.00 GPM | 2.4 mm | 176° F |

| BYPASS | FLOW RATE | INLET | OUTLET | WEIGHT |
|---|---|---|---|---|
| 1/4" FPT | 8 GPM | 3/8" FPT | 3/8" FPT | 1.85 lb |

**Repair Kits:** Valve #200261526
Bypass #200261528
Switch Kit #200261527
Injector #200260720

- Convenient downstream built-in chemical injector
- Normally open in bypass

NEW!

#200265500

## ST-265 UNLOADER VALVE *(pressure compensating)*

| ORDER # | PRESSURE | TEMP. | FLOW RATE |
|---|---|---|---|
| 200265500 | 1000 - 5070 PSI | 185° F | 13 GPM |

| INLET | OUTLET | BYPASS | WEIGHT |
|---|---|---|---|
| 3/8" FPT | 3/8" FPT | 3/8" FPT | 2.10 lb |

#200265550

## ST-265S UNLOADER VALVE *(pressure compensating)*

*(with switch)*

| ORDER # | PRESSURE | TEMP. | FLOW RATE |
|---|---|---|---|
| 200265550 | 1000 - 5070 PSI | 185° F | 13 GPM |

| INLET | OUTLET | BYPASS | WEIGHT |
|---|---|---|---|
| 3/8" FPT | 3/8" FPT | 3/8" FPT | 2.10 lb |

- Equipped with a ball check valve
- Fatigue-free spring
- Valve components made of high-grade stainless steel and ceramic

---

## ST-280 UNLOADER VALVE *(4060 psi)*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET |
|---|---|---|---|---|
| 200280510 | 500 - 4060 PSI | 176° F | 8 GPM | 3/8" FPT |

| OUTLET | BYPASS | WEIGHT | BOX QTY |
|---|---|---|---|
| 3/8" FPT | 1/4" FPT | 1.80 lb | 20 |

**Repair Kits:** #200280646
#200280530
#200280650

- Multi gun operational

---

## ST-280.2 UNLOADER VALVE

*(with 2 bypass plugs, 4060 psi)*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET |
|---|---|---|---|---|
| 200280511 | 500 - 4060 PSI | 176° F | 8 GPM | 3/8" FPT |

| OUTLET | BYPASS | WEIGHT |
|---|---|---|
| 3/8" FPT | 1/4" FPT | 1.80 lb |

**Repair Kits:** #200280646
#200280530
#200280650

- Multi gun operational

## ST-291 UNLOADER VALVE *(5070 psi)*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET |
|---|---|---|---|---|
| 200291500 | 850 - 5070 PSI | 176° F | 8 GPM | 3/8" FPT |

| OUTLET | BYPASS | WEIGHT | BOX QTY |
|---|---|---|---|
| 3/8" FPT | 1/2" FPT | 2.60 lb | 15 |

**Repair Kits:** Seal Seat #200291485
Check Valve #200291490
Piston Rod #200291495

## ST-291S UNLOADER VALVE

*(with micro-switch, 5070 psi)*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET |
|---|---|---|---|---|
| 200291550 | 850 - 5070 PSI | 176° F | 8 GPM | 3/8" FPT |

| OUTLET | BYPASS | AMPS | WEIGHT |
|---|---|---|---|
| 3/8 FPT | 1/2 FPT | 125 VAC 5A<br>250 VAC 3A | 2.75 lb |

**Repair Kits:** Seal Seat #200291485
Check Valve #200291490
Piston Rod #200291495

## REPLACEMENT SWITCH

*For ST-265*

| ORDER # |
|---|
| 200265430 |

## COMPLETE REPLACEMENT MICRO SWITCH

*For ST-261, ST-261I, ST-261S & ST-261SI*

| ORDER # |
|---|
| 200260513 |

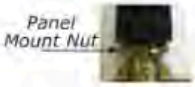
- Can be installed onto the ST-261
- Normally open in bypass

## PANEL MOUNT NUT

*For ST-261, ST-261I, ST-261S & ST-261SI*

| ORDER # | MATERIAL |
|---|---|
| 010003150 | Brass |

- Threads onto unloader for mounting to panel



## ECONOMY Q.C. BRASS SOCKETS *(quick change)*

| ORDER # | PRESSURE | DESCRIPTION | O-RING | BAG QTY | WEIGHT |
|---|---|---|---|---|---|
| 200045701 | 5500 PSI | 1/4" MPT Socket | Buna | 10 | .16 lb |
| 200045711 | 5500 PSI | 1/4" FPT Socket | Buna | 10 | .18 lb |
| 200045721 | 4200 PSI | 3/8" MPT Socket | Buna | 10 | .24 lb |
| 200045731 | 4200 PSI | 3/8" FPT Socket | Buna | 10 | .26 lb |
| 200045751 | 3600 PSI | 1/2" FPT Socket | Buna | 10 | .34 lb |
| 200045751M | 3600 PSI | 1/2" MPT Socket | Buna | 10 | .40 lb |

- Interchanges easily with Suttner products and other major brands
- Knurling on socket sleeve helps to grip ball lock
- Pedal and valve are in protective housing

***Comparable rated components must be used together***

## ECONOMY Q.C. PLUGS *(brass)*

| ORDER # | PRESSURE | DESCRIPTION | BAG QTY | WEIGHT |
|---|---|---|---|---|
| 1000BR141 | 5200 PSI | 1/4" M Plug | 10 | .06 lb |
| 1000BR151 | 5200 PSI | 1/4" F Plug | 10 | .07 lb |
| 1000BR161 | 2800 PSI | 3/8" M Plug | 10 | .08 lb |
| 1000BR171 | 2800 PSI | 3/8" F Plug | 10 | .10 lb |

***Comparable rated components must be used together***

## ECONOMY Q.C. PLUGS *(plated steel)*

| ORDER # | PRESSURE | DESCRIPTION | BAG QTY | WEIGHT |
|---|---|---|---|---|
| 100000141 | 5500 PSI | 1/4" MPT Plug | 25 | .06 lb |
| 100000151 | 5500 PSI | 1/4" FPT Plug | 25 | .06 lb |
| 100000161 | 4200 PSI | 3/8" MPT Plug | 25 | .08 lb |
| 100000171 | 4200 PSI | 3/8" FPT Plug | 25 | .12 lb |
| 100000181 | 3600 PSI | 1/2" M Plug | 25 | .14 lb |
| 100000191 | 3600 PSI | 1/2" F Plug | 25 | .18 lb |

***Comparable rated components must be used together***

## ECONOMY Q.C. STAINLESS STEEL SOCKETS

| ORDER # | PRESSURE | DESCRIPTION | O-RING | BAG QTY | WEIGHT |
|---|---|---|---|---|---|
| 20SS45701 | 7500 PSI | 1/4" M Socket | Buna | 10 | .22 lb |
| 20SS45711 | 7500 PSI | 1/4" F Socket | Buna | 10 | .16 lb |
| 20SS45721 | 6300 PSI | 3/8" M Socket | Buna | 10 | .22 lb |
| 20SS45731 | 6300 PSI | 3/8" F Socket | Buna | 10 | .24 lb |
| 20SS45746 | 3600 PSI | 1/2" MPT Socket | Buna | 10 | .32 lb |
| 20SS45751 | 3600 PSI | 1/2" FPT Socket | Buna | 10 | .35 lb |

***Comparable rated components must be used together***

## ECONOMY Q.C. STAINLESS STEEL PLUGS

| ORDER # | PRESSURE | DESCRIPTION | BAG QTY | WEIGHT |
|---|---|---|---|---|
| 1000SS141 | 7500 PSI | 1/4" M Plug | 25 | .06 lb |
| 1000SS151 | 7500 PSI | 1/4" F Plug | 25 | .06 lb |
| 1000SS161 | 6300 PSI | 3/8" M Plug | 25 | .08 lb |
| 1000SS171 | 6300 PSI | 3/8" F Plug | 25 | .12 lb |
| 1000SS181 | 3600 PSI | 1/2" M Plug | 25 | .16 lb |
| 1000SS191 | 3600 PSI | 1/2" F Plug | 25 | .18 lb |

***Comparable rated components must be used together***

## Q.C. BRASS SOCKETS *(quick change)*

*Couplers are used anywhere high pressure connections are frequently connected and disconnected. Ideal for quick change of quick nozzles and spray guns.*

| ORDER # | EATON # | PRESSURE | DESCRIPTION | O-RING | BOX QTY | WEIGHT |
|---|---|---|---|---|---|---|
| 200045700 | 2S-15 | 5500 PSI | 1/4" MPT Socket | Buna | 200 | .16 lb |
| 200045710 | 2S-16 | 5500 PSI | 1/4" FPT Socket | Buna | 200 | .16 lb |
| 200045720 | 2S-20 | 4200 PSI | 3/8" MPT Socket | Buna | 125 | .24 lb |
| 200045730 | 2S-21 | 4200 PSI | 3/8" FPT Socket | Buna | 125 | .26 lb |
| 200045750M | 4-S25 | 3600 PSI | 1/2" MPT Socket | Buna | 75 | .34 lb |
| 200045750 | 4S-26 | 3600 PSI | 1/2" FPT Socket | Buna | 75 | .40 lb |
| 200045760 | 6S-31 | 2100 PSI | 3/4" FPT Socket | Buna | — | .64 lb |

- Knurling on socket sleeve helps to grip ball lock
- Eaton quick couplers are the original, invented in 1915 and are still the number one name for quality couplers
- Interchanges easily with Suttner products and other major brands

***Comparable rated components must be used together***

## Q.C. PLUGS *(brass)*

| ORDER # | EATON # | PRESSURE | DESCRIPTION | BOX QTY | WEIGHT |
|---|---|---|---|---|---|
| 1000BR140 | B2T-15 | 5200 PSI | 1/4" MPT Plug | 25 | .06 lb |
| 1000BR150 | B2T-16 | 5200 PSI | 1/4" FPT Plug | 25 | .07 lb |
| 1000BR160 | B3T-20 | 2800 PSI | 3/8" MPT Plug | 25 | .08 lb |
| 1000BR170 | B3T-21 | 2800 PSI | 3/8" FPT Plug | 25 | .10 lb |
| 1000BR200 | B6T-30 | 1700 PSI | 3/4" MPT Plug | 25 | .25 lb |
| 1000BR210 | B6T-31 | 1700 PSI | 3/4" FPT Plug | 25 | .24 lb |

***Comparable rated components must be used together***

## Q.C. PLUGS *(plated steel)*

| ORDER # | EATON # | PRESSURE | DESCRIPTION | BAG QTY | WEIGHT |
|---|---|---|---|---|---|
| 100000140 | 2T-15 | 5500 PSI | 1/4" MPT Plug | 25 | .06 lb |
| 100000150 | 2T-16 | 5500 PSI | 1/4" FPT Plug | 25 | .06 lb |
| 100000160 | 3T-20 | 4200 PSI | 3/8" MPT Plug | 25 | .08 lb |
| 100000170 | 3T-21 | 4200 PSI | 3/8" FPT Plug | 25 | .12 lb |
| 100000180 | 4T-25 | 3600 PSI | 1/2" MPT Plug | 25 | .14 lb |
| 100000190 | 4T-26 | 3600 PSI | 1/2" FPT Plug | 25 | .18 lb |

***Comparable rated components must be used together***

## Q.C. STAINLESS STEEL SOCKETS *(303 stainless steel)*

*Couplers are used anywhere high pressure connections are frequently connected and disconnected. Ideal for quick change of quick nozzles and spray guns.*

| ORDER # | EATON # | PRESSURE | DESCRIPTION | O-RING | BAG QTY | WEIGHT |
|---|---|---|---|---|---|---|
| 20SS45700 | LL2-S15 | 7500 PSI | 1/4" MPT Socket | Buna | 200 | .22 lb |
| 20SS45710 | LL2-S16 | 7500 PSI | 1/4" FPT Socket | Buna | 200 | .16 lb |
| 20SS45720 | LL3-S20 | 6300 PSI | 3/8" MPT Socket | Buna | 125 | .22 lb |
| 20SS45730 | LL3-S21 | 6300 PSI | 3/8" FPT Socket | Buna | 125 | .24 lb |
| 20SS45745 | LL4-S26 | 3600 PSI | 1/2" MPT Socket | Buna | 75 | .32 lb |
| 20SS45750 | LL4-S25 | 3600 PSI | 1/2" FPT Socket | Buna | 75 | .35 lb |

- Knurling on socket sleeve helps to grip ball lock
- Eaton quick couplers are the original, invented in 1915 and are still the number one name for quality couplers
- Interchanges easily with Suttner products and other major brands

***Comparable rated components must be used together***

## Q.C. PLUGS *(303 stainless steel)*

| ORDER # | EATON # | PRESSURE | DESCRIPTION | BAG QTY | WEIGHT |
|---|---|---|---|---|---|
| 1000SS140 | LL2-T15 | 7500 PSI | 1/4" MPT Plug | 25 | .06 lb |
| 1000SS150 | LL2-T16 | 7500 PSI | 1/4" FPT Plug | 25 | .06 lb |
| 1000SS160 | LL3-T20 | 6300 PSI | 3/8" MPT Plug | 25 | .08 lb |
| 1000SS170 | LL4-T20 | 6300 PSI | 3/8" FPT Plug | 25 | .12 lb |
| 1000SS180 | LL4-T25 | 3600 PSI | 1/2" MPT Plug | 25 | .16 lb |
| 1000SS190 | LL4-T26 | 3600 PSI | 1/2" FPT Plug | 25 | .18 lb |

***Comparable rated components must be used together***

## Q.C. PLUGS *(416 stainless steel)*

| ORDER # | EATON # | PRESSURE | DESCRIPTION | BAG QTY | WEIGHT |
|---|---|---|---|---|---|
| 100SSS160 | HL3T-20 | 6300 PSI | 3/8" MPT Plug | 25 | .08 lb |
| 100SSS170 | HL3T-21 | 6300 PSI | 3/8" FPT Plug | 25 | .10 lb |

***Comparable rated components must be used together***

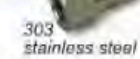
## TWO-WAY CHECK VALVE SOCKETS *(quick change)*

| ORDER # | EATON # | PRESSURE | DESCRIPTION | MATERIAL | WEIGHT |
|---|---|---|---|---|---|
| 20TWBR710 | B2H16-192 | 2700 PSI | 1/4" FPT Socket | Brass | .30 lb |
| 20TWBR730 | B3H-21 | 2200 PSI | 3/8" FPT Socket | Brass | .44 lb |
| 20TWSS710 | LL2H16-192 | 3700 PSI | 1/4" FPT Socket | 303 Stainless | .28 lb |
| 20TWSS730 | LL3-H21 | 3700 PSI | 3/8" FPT Socket | 303 Stainless | .42 lb |

• O-ring: EPDM

## TWO-WAY CHECK VALVE PLUGS *(quick change)*

| ORDER # | EATON # | PRESSURE | DESCRIPTION | MATERIAL | WEIGHT |
|---|---|---|---|---|---|
| 10TWBR150 | B2K16-192 | 2700 PSI | 1/4" FPT Plug | Brass | .30 lb |
| 10TWBR170 | B3K-21 | 2200 PSI | 3/8" FPT Plug | Brass | .44 lb |
| 10TWSS150 | LL2H16-192 | 3700 PSI | 1/4" FPT Plug | 303 Stainless | .42 lb |
| 10TWSS170 | LL3-K21 | 3700 PSI | 3/8" FPT Plug | 303 Stainless | .44 lb |




## SOCKET REPLACEMENT O-RINGS

| | ORDER # | DESCRIPTION | TEMP. | BAG QTY |
|---|---|---|---|---|
| A | 900000210 | 1/4" Buna O-ring | 250° F | 100 |
| B | 900000200 | 1/4" EPDM O-ring | 300° F | 100 |
| C | 900000202 | 1/4" Silicon O-ring | 400° F | 100 |
| D | 900000211 | 3/8" Buna O-ring | 250° F | 100 |
| E | 900000201 | 3/8" EPDM O-ring | 300° F | 100 |
| F | 900000203 | 3/8" Silicon O-ring | 400° F | 100 |
| G | 900000212 | 1/2" Buna O-ring | 250° F | 100 |

• For standard use part # 900000210, # 900000211 or 900000212
• For broad chemical range use part # 900000200 or 900000201
• For steam and high temperatures use part # 900000202 or 900000203

NEW!

## ST-96 SWIVEL *(stainless steel)*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | OUTLET |
|---|---|---|---|---|---|
| 200096600 | 5000 PSI | 212° F | 10.5 GPM | 3/8" FPT | 3/8" MPT |

- Tungsten Carbide Seals

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*#200301006*

*#200301025*

*#200301030*

## ST-301 SWIVEL COUPLINGS *(long life)*

*Professional spray gun swivel. Redesigned with the addition of a side bearing that increases swivel life by as much as TEN TIMES*

| ORDER # | TEMP. | INLET | OUTLET | WEIGHT |
|---|---|---|---|---|
| 200301006 | 300° F | 3/8" FPT | 1/4" FPT | .20 lb |
| 200301025 | 300° F | 3/8" MPT | 3/8" FPT | .29 lb |
| 200301030 | 300° F | 3/8" FPT | 3/8" FPT | .27 lb |

| PRESSURE | FLOW RATE | BAG QTY. |
|---|---|---|
| 5070 PSI | 12 GPM | 100 |

- Nickel plated, stainless steel internal
- Double PTFE slide rings for easy movement
- High performance plastic axial and radial slide bearing
- Bearning material: PTFE/Bronze
- RPM: 30

*parts view of #200301030*

*PTFE bronze bearing*

---

## ST-310 SWIVEL COUPLINGS *(stainless steel)*

*Perfect for hose connection to trigger guns, booms, etc.*
*Prevents hose from tangling or twisting.*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | OUTLET | BAG QTY. | WEIGHT |
|---|---|---|---|---|---|---|---|
| 200310050 | 5000 PSI | 300° F | 12 GPM | 3/8" MPT | 3/8" FPT | 100 | .20 lb |

- Extends the life of your hose
- Double PTFE slide rings for easy movement
- Axial and radial slide bearing
- Bearning material: PTFE
- RPM: 30

## ST-311 SWIVEL COUPLING *(stainless steel)*

*Perfect for hose connection to trigger guns, booms, etc.*
*Prevents hose from tangling or twisting.*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | OUTLET | BAG QTY. | WEIGHT |
|---|---|---|---|---|---|---|---|
| 200311050 | 5000 PSI | 300° F | 12 GPM | 3/8" FPT | 1/4" FPT | 100 | .20 lb |

- Extends the life of your hose
- Double PTFE slide rings for easy movement
- Axial and radial slide bearing
- Bearing material: PTFE
- RPM: 30

## ST-320 ELBOW SWIVELS *(stainless steel)*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | SIZE |
|---|---|---|---|---|
| 200320510 | 5800 PSI | 212° F | 12 GPM | 3/8" FPT x 3/8" MPT |
| 200320555 | 5800 PSI | 212° F | 12 GPM | 1/4" FPT x 1/4" MPT |

| BAG QTY. | WEIGHT |
|---|---|
| 10 | .40 lb |

- RPM: 30

## ST-321 90° ELBOW SWIVELS *(brass & stainless steel)*

*For car wash booms and hose reels*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | SIZE |
|---|---|---|---|---|
| 200321510 | 5000 PSI | 212° F | 10 GPM | 3/8" FPT x 1/2" FPT |

| BAG QTY. | WEIGHT |
|---|---|
| 10 | .40 lb |

- RPM: 30

## ST-322 ELBOW SWIVELS *(high flow)*

*High Flow stainless steel elbow swivel for use in hose reels or rotating booms*

| ORDER # | PRESSURE | SIZE | WEIGHT |
|---|---|---|---|
| 200322550 | 5800 PSI | 3/8" MPT x 3/8" FPT | .90 lb |
| 200322555 | 4500 PSI | 3/8" MPT x 1/2" FPT | .92 lb |
| 200322560 | 4500 PSI | 1/2" MPT x 1/2" FPT | .94 lb |

| TEMP. | FLOW RATE | BOX QTY. |
|---|---|---|
| 212° F | 26 GPM | 10 |

- High end sealing package
- Stainless steel
- RPM: 30

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*#200340025 Stainless Steel*

*#200340515 Brass*

## ST-340 SWIVELS *(high flow)*

*1/2" live swivel is perfect for connecting to trigger, booms, etc.*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | OUTLET |
|---|---|---|---|---|---|
| 200340515 | 3200 PSI | 212° F | 42 GPM | 1/2" MPT | 1/2" FPT |
| 200340025 | 3200 PSI | 212° F | 42 GPM | 1/2" MPT | 1/2" FPT |

| BOX QTY. | WEIGHT |
|---|---|
| 30 | .25 lb |

- Stainless steel and brass versions
- Double PTFE slide rings for easy movement
- Bearing material: PTFE
- RPM: 30

---

*#562391625*

*#562391615*

## EASYWASH SWIVELS

*Swivels applicable to high pressure spray guns and hose connections, ceiling booms as well as self-serve car wash*

| ORDER # | PRESSURE | TEMP. | SIZE | BOX QTY. | WEIGHT |
|---|---|---|---|---|---|
| 562391600 | 4000 PSI | 300° F | 1/4" MPT x 1/4" FPT | 25 | .30 lb |
| 562391605 | 4000 PSI | 300° F | 1/4" MPT x 3/8" FPT | 25 | .30 lb |
| 562391610 | 4000 PSI | 300° F | 3/8" MPT x 1/4" FPT | 25 | .30 lb |
| 562391615 | 4000 PSI | 300° F | 3/8" MPT x 3/8" FPT | 25 | .35 lb |
| 562391620 | 4000 PSI | 300° F | 1/4" FPT x 1/4" FPT | 25 | .40 lb |
| 562391625 | 4000 PSI | 300° F | 3/8" FPT x 3/8" FPT | 25 | .40 lb |
| 562391630 | 4000 PSI | 300° F | 1/4" FPT x M18 MPT | 25 | .40 lb |

- Maintenance free
- Nickel plated, stainless steel internal

## ST-40 SCREW COUPLINGS *(brass/plated steel)*

*Used anywhere high pressure connections are frequently connected and disconnected. Exchanging different lance, hose and spray gun versions are simple and easy just by hand tightening.*

| | ORDER # | PRESSURE | TEMP. | YORK /I.D. | INLET | OUTLET | WEIGHT |
|---|---|---|---|---|---|---|---|
| A | 200040800 | 5800 PSI | 300° F | M14 | 1/4" FPT | M22 | .24 lb |
| B | 200040810 | 5800 PSI | 300° F | M14 | 1/4" MPT | M22 | .22 lb |
| C | 200040820 | 5800 PSI | 300° F | M14 | 3/8" FPT | M22 | .22 lb |
| D | 200040830 | 5800 PSI | 300° F | M14 | 3/8" MPT | M22 | .20 lb |
| E | 200040840 | 5800 PSI | 300° F | M14 | 1/2" FPT | M22 | .24 lb |
| F | 200040850 | 5800 PSI | 300° F | M14 | 1/2" MPT | M22 | .22 lb |
| G | 200040310 | 5800 PSI | 300° F | M15 | 3/8" FPT | M22 | .22 lb |
| H | **050000120 Replacement O-ring** | | | | | | |

- These couplers allow connection of male or female M22 (European-style) fittings 1/4", 3/8 and 1/2" pipe threads as shown
- Available in M14 and M15 york
- O-ring: Viton

*Front View*
*Outlet: M22*

***Comparable rated components must be used together***

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## ST-40 SCREW COUPLINGS *(stainless steel)*

*7250 PSI screw couplings, ideal for connections that have to be changed. Multiple versions to meet all of the connections applications.*

FOOD GRADE

| | ORDER # | PRESSURE | TEMP. | YORK /I.D. | INLET | OUTLET | WEIGHT |
|---|---|---|---|---|---|---|---|
| A | 200040900 | 7250 PSI | 300° F | M14 | 1/4" FPT | M22 | .24 lb |
| B | 200040910 | 7250 PSI | 300° F | M14 | 1/4" MPT | M22 | .22 lb |
| C | 200040930 | 7250 PSI | 300° F | M14 | 3/8" MPT | M22 | .22 lb |
| D | 200040940 | 7250 PSI | 300° F | M14 | 3/8" FPT | M22 | .20 lb |

**O-ring:** #050000120

- Allow connection of male and female M22 fitting and 1/4" and 3/8" pipe thread applications
- Stainless steel construction for chemical and food applications

***Comparable rated components must be used together***

## ST-41 SCREW NIPPLES *(brass)*

*5800 PSI screw nipples, ideal for connections that have to be changed. Multiple versions to meet all of the connections applications.*

| | ORDER # | YORK/I.D. | INLET | WEIGHT |
|---|---|---|---|---|
| A | 010000561 | M14 | 1/4" FPT | .12 lb |
| B | 080056525 | M14 | 1/4" FPT | .14 lb |
| C | 010000562 | M14 | 1/4" MPT | .10 lb |
| D | 010000563 | M14 | 3/8" FPT | .10 lb |
| E | 010000564 | M14 | 3/8" MPT | .10 lb |
| F | 010000565 | M14 | 1/2" FPT | .12 lb |
| G | 010000566 | M14 | 1/2" MPT | .12 lb |
| H | 010000567 | — | 1/4" QC Plug | .10 lb |
| I | 010002110 | M15 | 1/4" FPT | .10 lb |
| J | 010002120 | M15 | 3/8" FPT | .10 lb |

| PRESSURE | TEMP. | OUTLET | BAG QTY |
|---|---|---|---|
| 5800 PSI | 300° F | M22 | 10 |

- Allow connection of male and female 1/4", 3/8" & 1/2" pipe thread applications

***Comparable rated components must be used together***

## ST-41 SCREW NIPPLES *(stainless steel)*

*7250 PSI screw nipples, ideal for connections that have to be changed. Multiple versions to meet all of the connections applications.*

| | ORDER # | PRESSURE | YOKE/I.D. | INLET | OUTLET | WEIGHT |
|---|---|---|---|---|---|---|
| A | 040002300 | 7250 PSI | M14 | 1/4" FPT | M22 | .12 lb |
| B | 040002210 | 7250 PSI | M14 | 1/4" MPT | M22 | .14 lb |
| C | 040002200 | 7250 PSI | M14 | 3/8" FPT | M22 | .10 lb |
| D | 040002190 | 7250 PSI | M14 | 3/8" MPT | M22 | .10 lb |

| TEMP. | BAG QTY |
|---|---|
| 300° F | 10 |

- Allow connection of male and female 1/4" and 3/8" pipe thread applications
- Stainless steel construction for chemical and food applications

***Comparable rated components must be used together***

*#200044520*

*#200044500*

## ST-44 SWIVEL SCREW COUPLINGS *(ball bearing)*

*Exchanging different lance, hose and spray gun versions are simple and easy just by hand tightening*

| ORDER # | PRESSURE | TEMP. | YOKE /I.D. | INLET | OUTLET | BAG QTY | WEIGHT |
|---|---|---|---|---|---|---|---|
| 200044500 | 5800 PSI | 300° F | M14 | 1/4" MPT | M22 | 100 | .30 lb |
| 200044520 | 5800 PSI | 300° F | M14 | 3/8" FPT | M22 | 100 | .40 lb |

**Seal Kit:** # 5680011

- Combination of screw coupling and swivel
- Live ball bearing swivel
- Axial ball and radial slide bearing

***Comparable rated components must be used together***

## ST-740 SCREW COUPLINGS *(stainless steel)*

*Ideal for connections that have to be changed. Multiple versions to meet all of the connections applications.*

10,150 PSI

| ORDER # | PRESSURE | TEMP. | YOKE/I.D. | SIZE | WEIGHT |
|---|---|---|---|---|---|
| 200740501 | 10,150 PSI | 300° F | M15 | 3/8" MBSP x M24 | .35 lb |
| 200740502 | 10,150 PSI | 300° F | M15 | 3/8" FBSP x M24 | .35 lb |
| 200740503 | 10,150 PSI | 300° F | M15 | 1/2" MBSP x M24 | .35 lb |
| 200740504 | 10,150 PSI | 300° F | M15 | 1/4" MBSP x M24 | .35 lb |

**O-ring**: #050000408
**Support ring**: #050000407

200740501 200740502

- Allows connection of male and female M24 fittings and 1/4", 3/8" and 1/2" pipe thread applications
- Stainless steel construction for chemical and food applications
- O-ring: HNBR

## ST-741 SCREW NIPPLES *(stainless steel)*

*Ideal for connections that have to be changed. Multiple versions to meet all of the connections applications.*

10,150 PSI

| ORDER # | PRESSURE | TEMP. | YORK/I.D. | SIZE | WEIGHT |
|---|---|---|---|---|---|
| 200741501 | 10,150 PSI | 300° F | M15 | 3/8" MBSP x M24 | .16 lb |
| 200741502 | 10,150 PSI | 300° F | M15 | 3/8" FBSP x M24 | .16 lb |
| 200741503 | 10,150 PSI | 300° F | M15 | 1/2" MBSP x M24 | .16 lb |
| 200741504 | 10,150 PSI | 300° F | M15 | 1/4" FBSP x M24 | .16 lb |

**O-ring**: #050001000

200741501 200741502

- Allows connection of male and female M24 fittings and 1/4", 3/8" and 1/2" pipe thread applications
- Stainless steel construction for chemical and food applications
- O-ring: EPDM

## BREAK AWAY FITTINGS *(brass)*

*An inexpensive protector for your spray gun and lance. All brass fitting is specifically designed to break before damage can occur to your spray gun or lance.*

| ORDER # | PRESSURE | THREAD SIZE | BAG QTY. | WEIGHT |
|---|---|---|---|---|
| 900000077 | 5800 PSI | 1/4" MPT x 1/4" FPT | 10 | .10 lb |
| 900000078 | 5800 PSI | 3/8" MPT x 3/8" FPT | 10 | .10 lb |

- Attaches to lance or gun while protecting both
- 3 to 1 safety factor
- All brass design

*#010000570*

*#010000571*

*#010000573*

*#010000574*

*#57559*

*#57549*

*#57060*

*#57040*

*#57049*

## ADAPTER BUSHINGS

| ORDER # | PRESSURE | THREAD | MATERIAL |
|---|---|---|---|
| 010000570 | 5800 PSI | 1/8" QC Plug x 1/8" MPT | Plated Steel |
| 010000571 | 5800 PSI | 1/4" MPT x 1/4" MPT | Brass |
| 010000573 | 5800 PSI | 1/8" QC Plug x 1/4" MPT | Brass |
| 010000574 | 5800 PSI | 1/4" FPT x 3/8" MPT | Brass |
| 57559 | 5000 PSI | 3/8" F x 1/2" M | Stainless |
| 57549 | 5000 PSI | 1/2" M x 1/4" F | Stainless |
| 57060 | 5000 PSI | 1/2" M x 1/4" M | Brass |
| 57040 | 5000 PSI | 1/4" M x 1/4" M | Brass |
| 57049 | 4000 PSI | 1/4" M x 1/4" M | Stainless |

| TEMP. | WEIGHT |
|---|---|
| 300° F | .08 lb |

## BAYONET ADAPTER 1/4" F (K)

| ORDER # | PRESSURE | TEMP. | DESCRIPTION | WEIGHT |
|---|---|---|---|---|
| 200000440 | 2320 PSI | 140° F | 1/4" F Bayonet x 1/4" F Brass | .20 lb |

- Easily allows the user to convert accessories on other manufacturers machines or equipment

## BAYONET PLUG 1/4" F (K)

| ORDER # | PRESSURE | TEMP. | DESCRIPTION | WEIGHT |
|---|---|---|---|---|
| 200000436 | 2320 PSI | 140° F | 1/4" M Bayonet x 1/4" F Brass | .10 lb |

- Connection for hobby half lances

*shown with connection and adapter together*

## ST-61 METERING VALVE *(precision chemical mixture)*

*Allows for precision chemical mixture ratio. Connects to the chemical inlet hose barb of the ST-60, ST-62, ST-64 & ST-261 without special tools.*

| ORDER # | TEMP. | FLOW RATE | WEIGHT |
|---|---|---|---|
| 999061500 | 300° F | .27 GPM | .60 lb |

- Draw Rate: 0 - 11%
- Connects to chemical inlet barb without any special tools needed
- Made of glass filled poly-material, extremely corrosive resistant
- Hose barb: 1/4"

*Shown here with ST-60 Injector, **products sold separately***

## ST-66 DUAL METERING VALVE *(dual precision metering)*

*Chemical flow can be metered and shut off remotely from the injector*

| ORDER # | TEMP. | FLOW RATE | WEIGHT |
|---|---|---|---|
| 200066500 | 140° F | .27 GPM | .16 lb |

- Draw Rate: 0 - 10%
- Simply turn the knob to the desired side and setting on the easy to read legend plate
- Industry standard for panel mount chemical metering valves

*reverse side*

## ST-230 SAFETY RELIEF VALVE

*(stainless steel ball and valve seat)*

*Ideal in-line regulator for multi-gun pumping units on self-serve car wash systems. Perfect for pressure washer/steam combination applications and carpet cleaning industry.*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | OUTLET |
|---|---|---|---|---|---|
| 200230501 | 500-3600 PSI | 200° F | 8 GPM | 1/4" FPT | 1/4" FPT |
| 200230601 | 500-5070 PSI | 200° F | 8 GPM | 1/4" FPT | 1/4" FPT |
| 200230520 | 500-2200 PSI | 200° F | 8 GPM | 1/4" FPT | 1/4" FPT |

| O-RING | WEIGHT |
|---|---|
| EPDM | .84 lb |

**Repair Kit:** #200230496

- Adjustable pressure
- Forged brass housing
- Special seals for maximum heat and chemical resistance
- Can be rebuilt without removing from the installation
- Valve member rides on elastomeric cushion, eliminating metal to metal contact, a common cause of regulator failure

*#200230501*

## ST-264 BSP CHECK VALVES

*Can be used in horizontal and vertical positions*

| ORDER # | PRESSURE | INLET | OUTLET | MATERIAL | WEIGHT |
|---|---|---|---|---|---|
| 200264500 | 5800 PSI | 1/4" FPT | 1/4" FPT | Stainless | .25 lb |
| 200264510 | 2170 PSI | 1/4" FPT | 1/4" FPT | Brass | .30 lb |
| 200264520 | 5800 PSI | 3/8" FPT | 3/8" FPT | Stainless | .27 lb |
| 200264530 | 2170 PSI | 3/8" FPT | 3/8" FPT | Brass | .32 lb |
| 200264540 | 5800 PSI | 1/2" FPT | 1/2" FPT | Stainless | .35 lb |

| TEMP. |
|---|
| 248° F |

- Opening pressure is 2 PSI
- Viton o-rings

internal view

## PRESSURE RELIEF VALVE *(brass)*

*Protects pressure washers against extreme pressure build-up. "Pop-off" protection.*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | WEIGHT |
|---|---|---|---|---|---|
| 900000069 | 1000-4000 PSI | 180° F | 6 GPM | 3/8" FPT | .16 lb |

- End discharge
- Soft seat to eliminate weeping
- Adjustable in the field

## THERMAL RELIEF VALVE *(stainless steel spring)*

*Protects pump from overheating while protecting packing and valves from excessive heat*

| ORDER # | PRESSURE | TEMP. | INLET | O-RING | WEIGHT |
|---|---|---|---|---|---|
| 900000063 | 200 PSI | 140° F | 3/8" MPT | Nitrile | .14 lb |

- Brass body, cap and actuator
- Automatic reset

stainless

brass

## EASY START VALVES *(brass or stainless steel)*

*Delays pressure increase by pump start*

| ORDER # | PRESSURE | TEMP. | MATERIAL | WEIGHT |
|---|---|---|---|---|
| 200232550 | 5000 PSI | 176° F | Stainless | .15 lb |
| 200232560 | 5000 PSI | 176° F | Brass | .15 lb |

- Stainless steel seat, spring and ball
- Makes "pull start" machines easier to start
- Closes at 1 & 1/2 gallons per minute

internal view

## ST-31 & ST-31R CHEMICAL STRAINERS

*(chemical resistant)*

*Soap enters through strainer preventing debris from entering the pump. A durable alternative to lightweight soap strainers.*

| ORDER # | MODEL | HOSE BARB | WEIGHT |
|---|---|---|---|
| 200031600 | ST-31 | 1/4" - 1/8" | .04 lb |
| 200031610 | ST-31R with check valve | 1/4" - 1/8" | .04 lb |

200031600

- Step down hose barb will attach to either a 1/4" or 1/8" hose
- Internal brass weight keeps soap strainer in the bottom of the soap container
- ST-31R has built in stainless steel and viton check valve to prevent water flow back into the soap solution
- 4 ft clear hose available, #900000041

## ST-32 CHEMICAL STRAINERS *(heavy weight)*

*Soap enters through strainer preventing debris from entering the pump. A durable alternative to lightweight strainers.*

| ORDER # | HOSE BARB | MATERIAL | WEIGHT |
|---|---|---|---|
| 200032800 | 1/4" | Brass | .06 lb |
| 200032600 | 5/16" or 3/8" | Stainless Steel | .06 lb |

*#200032600 stainless steel*

*#200032800 brass*

- Chemical resistant plastic screen out performs stainless steel screens
- Straight through design
- 4 ft clear hose available, #900000041

## ST-33 INLET WATER STRAINERS

*(keeps pump debris free)*

*Inlet filter replaces the garden hose small filter screen and prevents debris from entering the pump*

| ORDER # | TEMP. | DESCRIPTION | WEIGHT |
|---|---|---|---|
| 200033535 | 140° F | with 1/4" FPT bypass ports | .16 lb |
| 200033540 | 140° F | — | .16 lb |

| PRESSURE | INLET | OUTLET |
|---|---|---|
| 145 PSI | 1/2" FPT | 1/2" MPT |

- Chemical resistant housing
- 80 mesh stainless screen

## ST-35 & ST-35R SUCTION STRAINERS *(high volume)*

*High volume suction strainer ideal for tank transfer or agricultural markets*

| ORDER # | MODEL | HOSE BARB | WEIGHT |
|---|---|---|---|
| 200035500 | ST-35 | 1/2" - 3/4" | .88 lb |
| 200035510 | ST-35R (blue) with check valve | 1/2" - 3/4" | .88 lb |
| 200035520 | ST-35R (blue) with check valve | 3/4" - 1" | .92 lb |
| 200035530 | ST-35 | 3/4" - 1" | .92 lb |

*ST-35* *ST-35 R*

- Impact resistant plastic housing
- Stainless steel screen
- Brass weight to hold in place

## ST-60 CHEMICAL INJECTORS *(downstream)*

*The ST-60 is a downstream chemical injector that relies on a pressure drop that is created by using a larger orifice spray nozzle*

| ORDER # | FLOW RATE | INJECTOR NOZZLE | ORIFICE |
|---|---|---|---|
| 200060600 | 1.5 - 2.25 GPM | 1.8 mm | 5.5 |
| 200060610 | 2.5 - 3.35 GPM | 2.1 mm | 7.0 |
| 200060620 | 3.35 - 5.00 GPM | 2.4 mm | 10.0 |

| PRESSURE | INLET | OUTLET |
|---|---|---|
| 3600 PSI | 3/8" MPT | 3/8" FPT |

**Repair Kit:** #200060720

- Siphon rate approximately 10:1
- Forged brass housing, stainless steel spring and ball
- 4 ft clear hose available, #900000041
- Fixed flow rate for accuracy
- 1/2" hose barb
- Temperature rating of 140° F

## ST-62 ADJUSTABLE CHEMICAL INJECTOR

*(downstream)*

*Allows for water flow adjustment from the pressure pump. By adjusting the water flow through the ST-62, a restriction causes a vacuum which allows the detergent to be drawn through the hose barb when a large orifice nozzle is used.*

| ORDER # | PRESSURE | INLET | OUTLET | HOSE BARB | WEIGHT |
|---|---|---|---|---|---|
| 200062500 | 3600 PSI | 3/8" FPT | 3/8" FPT | 1/4" | .20 lb |

**Repair Kit:** #200060720

- Siphon rate approximately 10:1
- Forged brass housing, stainless steel spring and ball
- Adjusts to 8 GPM
- Adjustable orifice size
- 4 ft clear hose available, #900000041

## ST-64 UPSTREAM CHEMICAL INJECTORS

*(high pressure soap application)*

*Designed to introduce detergents into the water system upstream from the pump at a high pressure*

| ORDER # | FLOW RATE | INLET | OUTLET | WEIGHT |
|---|---|---|---|---|
| 999000019 | 1.5 - 4.0 GPM | 3/4" F Garden | 3/4" M Garden | .78 lb |
| 999000021 | 4.0 - 7.0 GPM | 3/4" F Garden | 3/4" M Garden | .78 lb |
| 999000022 | 1.5 - 4.0 GPM | 1/2" FPT | 1/2" MPT | .80 lb |
| 999000023 | 4.0 - 7.0 GPM | 1/2" FPT | 1/2" MPT | .80 lb |

**Repair Kit:** #200060720

- Includes hose and strainer
- Adjustable chemical flow
- Garden hose connection
- Pressure: 140 PSI
- Temperature rating of 140° F
- 1/4" hose barb
- 4 ft clear hose available, #900000041

Scan QR code to watch a short demo

*www.youtube.com/watch?v=npxhx9Ex30g*

## ST-8 FLOAT VALVE *(adjustable float)*

*Used to regulate the maximum water level in a float tank. When the maximum water level drops the float valve opens.*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | INLET | WEIGHT |
|---|---|---|---|---|---|
| 200008520 | 140 PSI | 176° F | 5 GPM | 1/2" | .44 lb |

- Valve housing and connection are corrosion resistant material, brass and plastics

### ALSO AVAILABLE:

**Repair Kit:** #200008495

**1/2" Adapter:** #200008526

**Replacement Ball:** #030000180

## ST-10 & ST-11 FLOAT TANK/LID

*Complete float tank & lid used in regulating a constant flow of water to the pressure washer*

| ORDER # | WEIGHT |
|---|---|
| 999000780 | 1.38 lb |

- 100% polypropylene
- Mount ST-8 float valve anywhere needed

## ST-10 FLOAT TANK

| ORDER # | HOLD CAPACITY | DIMENSIONS | WEIGHT |
|---|---|---|---|
| 020000780 | 1.8 gallons | 13 3/4" L x 5 1/2" W x 6 3/4" H | 1.12 lb |

## ST-11 FLOAT TANK LID

| ORDER # | WEIGHT |
|---|---|
| 020000800 | .26 lb |

*#200020020*
*Natural Bristles*

*#200020050*
*Nylon Bristles*

## ST-20 ROTATING BRUSHES

*Rotating bristles for more effective cleaning. Ideal for car wash applications.*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | ORIFICE |
|---|---|---|---|---|
| 200020020 | 725 PSI | 122° F | 8 GPM | 2.8 |
| 200020050 | 725 PSI | 122° F | 8 GPM | 2.8 |

| INLET | BRISTLES | WEIGHT |
|---|---|---|
| 1/4" MPT | Natural | 1.68 lb |
| 1/4" MPT | Nylon | 1.68 lb |

**Replacement Bristles:** Natural #020000910
Nylon #020000870

- Natural horse hair or nylon bristles are available
- Comes with a 2.8MM nozzle
- 7 inch diameter

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*#200021021*
*Natural Bristles*

*#200021121*
*Nylon Bristles*

## ST-21 ADJUSTABLE ROTATING BRUSHES

*Rotating bristles for more effective cleaning. Can be adjusted by as much as 180° making it perfect for both vertical and horizontal surfaces. Ideal for car wash applications.*

| ORDER # | PRESSURE | TEMP. | FLOW RATE | ORIFICE |
|---|---|---|---|---|
| 200021021 | 725 PSI | 122° F | 8 GPM | 2.8 |
| 200021121 | 725 PSI | 122° F | 8 GPM | 2.8 |

| INLET | BRISTLES | WEIGHT |
|---|---|---|
| 1/4" FPT | Natural | 1.68 lb |
| 1/4" FPT | Nylon | 1.68 lb |

**Replacement bristles:** Natural #020000910
Nylon #020000870

- Natural horse hair or nylon bristles are available
- Comes with a 2.8MM nozzle
- Knuckle allows angle adjustment of brush
- 7 inch diameter

## ST-36 SLUDGE PUMP *(high output)*

*Attaches to pressure washer and turns it into a high output pump.*
*Great for flood cleanup, car wash pits, draining pools or chemical spills.*

| ORDER # 15 ft | ORDER # 25 ft | INLET | ORIFICE |
|---|---|---|---|
| 999QC1530 | — | 1/4" M Q.C. | 3.0 (0°) |
| 999QC1540 | 999QC2540 | 1/4" M Q.C. | 4.0 (0°) |
| 999QC1545 | 999QC2545 | 1/4" M Q.C. | 4.5 (0°) |
| 999QC1550 | 999QC2550 | 1/4" M Q.C. | 5.0 (0°) |
| 999QC1555 | 999QC2555 | 1/4" M Q.C. | 5.5 (0°) |
| 999QC1560 | 999QC2560 | 1/4" M Q.C. | 6.0 (0°) |
| 999QC1570 | — | 1/4" M Q.C. | 7.0 (0°) |
| 999QC1580 | — | 1/4" M Q.C. | 8.0 (0°) |
| 999001540 | 999002540 | M22 | 4.0 (0°) |
| 999001545 | 999002545 | M22 | 4.5 (0°) |
| 999001550 | 999002550 | M22 | 5.0 (0°) |
| 999001555 | 999002555 | M22 | 5.5 (0°) |
| 999001560 | 999002560 | M22 | 6.0 (0°) |

| PRESSURE | FLOW RATE | TEMP. |
|---|---|---|
| 4000 PSI | 11:1 | 104° F |

- Vacuums up liquids and sludge at a high ratio
  *Approximate ratio of 11:1 based on clean water. Ratio will vary depending on pressure, flow and viscosity
- Water flowing through the high pressure nozzle creates a powerful venturi suction that vacuums up slurry solutions
- Great for flood clean up, car wash pits, emptying pools or chemical pits
- Debris as large as 3/4" will pass through the casting and out the discharge hose
- Cleans up solutions/mixtures without pump damage
- Acts like a sump or trash pump
- Hose barb 1 1/2"
- Weight of hose is 8-10 lbs (depending on hose length)

*M22 Screw Nipple*

*1/4" Q.C. Plug*

*Casting assembly w/ hose barb #200036500 (without nipple and nozzle)*

Scan QR code to watch a short demo

*https://www.youtube.com/watch?v=tXsMN9TzVI&feature=youtu.be*

## ST-55 SANDBLASTING KIT

*Designed for sandblasting a variety of surfaces and capable of removing most coatings down to white metal. Graffiti clean up, paint surface preparation, etc.*

| ORDER # | PRESSURE | TEMP. | DISCHARGE NOZZLE | ORIFICE | WEIGHT |
|---|---|---|---|---|---|
| 200055509 | 3600 PSI | 194° F | Steel | 4.0 | 4.92 lb |
| 200055504 | 3600 PSI | 194° F | Steel | 5.0 | 4.92 lb |
| 200055500 | 3600 PSI | 194° F | Steel | 6.0 | 4.92 lb |
| 200055507 | 3600 PSI | 194° F | Steel | 7.0 | 4.92 lb |
| 200055508 | 3600 PSI | 194° F | Steel | 8.0 | 4.92 lb |
| 200055491 | 3600 PSI | 194° F | None | 4.0 | 4.52 lb |
| 200055494 | 3600 PSI | 194° F | None | 5.0 | 4.52 lb |
| 200055492 | 3600 PSI | 194° F | None | 6.0 | 4.52 lb |
| 200055497 | 3600 PSI | 194° F | None | 7.0 | 4.52 lb |
| 200055493 | 3600 PSI | 194° F | None | 8.0 | 4.52 lb |

- Works on venturi principle
- Adjustable sand volume valve
- Available with steel sand nozzle
- Use silica sand for best results
- 13 ft hose

## ST-555 SANDBLASTER

| ORDER # | PRESSURE | TEMP. | DISCHARGE NOZZLE | ORIFICE | WEIGHT |
|---|---|---|---|---|---|
| 200555530 | 7250 PSI | 212° F | Steel | 3.0 | 4.60 lb |
| 200555540 | 7250 PSI | 212° F | Steel | 4.0 | 4.60 lb |
| 200555555 | 7250 PSI | 212° F | Steel | 5.5 | 4.60 lb |
| 200555565 | 7250 PSI | 212° F | Steel | 6.5 | 4.60 lb |
| 200555575 | 7250 PSI | 212° F | Steel | 7.5 | 4.60 lb |

- Professional grade
- Stainless steel with adjustable sand flow
- Thres times hardened stainless steel UHP-nozzles
- Suitable for dust free blasting when using grain size ranging from 0.2 mm - 1.5 mm
- Multiple mediums can be used:
  - Glass Beads
  - Glass Powder
  - Slag (fine)
  - Slag (coarse)
  - Sodium Carbonate (water soluble)
  - Sand

Scan QR code to watch a short demo

https://www.youtube.com/watch?v=tXsMN9TzVII&feature=youtu.be

## ADJUSTABLE BOOM

*The unique design allows you to shorten or extend boom to fit the size of car wash bays, lengthen for longer reach*

| ORDER # | PRESSURE | TEMP. | INLET | OUTLET | LENGTH | WEIGHT |
|---|---|---|---|---|---|---|
| 109765425 | 3000 PSI | 250° F | 3/8" | 3/8" MPT | 42 in – 78 in | 20 lb |

**Replacement swivel:**
#400320500

- Eliminates the need to stock multiple sizes
- Stainless steel
- Swivels are sealed and lubricated for long life
- Ready for installation
- 360° rotation

Scan QR code to watch a short demo

*https://www.youtube.com/watch?v=_KljzAjvMDo*

### ALSO AVAILABLE:

*Wall Mount Bracket: #109721047*

## PRESSURE WASHER PARTS DISPLAY

*(#P999S26120 or #N999S26120)*

*This "silent salesperson" accessories display is ready to increase your ticket sales. Simply remove the display from the shipping box and it is ready to sell on your showroom floor.*

**Pre-priced & Non-priced racks available**

- P = pre-price (#P999S26120)
- N = non-price (#N999S26120)

*Clear clam shell to view part easier*

| ORDER # | DESCRIPTION | QTY |
|---|---|---|
| P999S26120 | Complete Parts Display | |
| P200040800 | M22 F x 1/4" FPT Screw Coupling | 2 |
| P200040810 | M22 F x 1/4" MPT Screw Coupling | 1 |
| P200040820 | M22 F x 3/8" FPT Screw Coupling | 2 |
| P200040830 | M22 F x 3/8" MPT Screw Coupling | 1 |
| P010000561 | M22 M x 1/4" FPT Nipple | 1 |
| P010000562 | M22 M x 1/4" MPT Nipple | 2 |
| P010000563 | M22 M x 3/8" FPT Nipple | 1 |
| P010000564 | M22 M x 3/8" MPT Nipple | 2 |
| P200045702 | Quick Coupler 1/4" M Socket | 1 |
| P200045712 | Quick Coupler 1/4" F Socket | 2 |
| P200045722 | Quick Coupler 3/8" M Socket | 1 |
| P200045732 | Quick Coupler 3/8" F Socket | 2 |
| P100000142 | Quick Connect 1/4" M Plug | 1 |
| P100000152 | Quick Connect 1/4" F Plug | 1 |
| P100000162 | Quick Connect 3/8" M Plug | 2 |
| P100000172 | Quick Connect 3/8" F Plug | 2 |
| P900004045 | 0° x 4.5 Quick Nozzle RED | 1 |
| P900001545 | 15° X 4.5 Quick Nozzle YELLOW | 1 |
| P900002545 | 25° x 4.5 Quick Nozzle GREEN | 1 |
| P900004045 | 40° x 4.5 Quick Nozzle WHITE | 1 |
| P839006540 | 65° x 40.0 Quick Nozzle BLACK | 1 |
| P999504500 | 0°, 15°, 25°, 40° x 4.5 Nozzle & Soap | 1 |
| P200330500 | F x F Adjustable Nozzle Holder | 1 |
| P200301025 | 3/8" M x 3/8" F Swivel | 1 |
| P999000060 | Assorted O-rings | 1 |
| P700000001 | 1/2" x 260" PTFE Thread Tape | 1 |
| P200060600 | 3/8" M x 3/8" F Injector 1.8 orifice | 1 |
| P200415505 | 1 /4" F 1750 PSI Turbo Nozzle | 1 |
| P201500910 | 1/4" F 5000 PSI Spray Gun | 1 |
| P200059935 | Multi-Reg Nozzle | 1 |
| P400357545 | 3000 PSI 4.5 Turbo Nozzle | 1 |
| P900000009 | 1 /4" QC x 1 /4" M Turbo Filter | 1 |
| P999000019 | 3/4" F x 3/4" M Soap Injector | 1 |
| P700000100 | 12 oz Bag of Detergent | 1 |
| P070000470 | 36" Molded Grip Lance | 2 |
| P080032008 | 1/4" x 25' 3000 PSI Hose | 1 |

- Stocked with 45 items most commonly purchased by pressure washer operators
- Delivered fully assembled
- Free standing easel legs or pegboard hooks all for immediate positioning

## STAINLESS STEEL FOGGING NOZZLE

| ORDER # | TEMP. | INLET | MATERIAL |
|---|---|---|---|
| 200078830 | 302° F | 1/4" F | Stainless Steel |

- Use for disinfection, humidification, cooling, dust suppression, decontamination, odor control in agricultural, food and construction industry, firefighting technology, car washing and detailing

### ALSO AVAILABLE:

*Longcast Stainless Steel Nozzle*
***SOLD SEPARATELY***

| ORDER # | NOZZLE SIZE (MM) | ORIFICE SIZE |
|---|---|---|
| 200078412 | 1.2 mm | 3.5 |
| 200078415 | 1.5 mm | 5.5 |
| 200078418 | 1.8 mm | 8.0 |
| 200078420 | 2.0 mm | 9.5 |
| 200078423 | 2.3 mm | 10.0 |
| 200078425 | 2.5 mm | 15.0 |
| 200078430 | 3.0 mm | 25.0 |
| 200078435 | 3.5 mm | 30.0 |
| 200078440 | 4.0 mm | 40.0 |
| 200078445 | 4.5 mm | 55.0 |
| 200078450 | 5.0 mm | 60.0 |
| 200078470 | 7.0 mm | 85.0 |

**Nozzle needs to be sized to customer's machine*

## SANITIZING & DISINFECTING COLD AIR FOGGER (ST-83)

- Easily sanitize and disinfect interiors to remove viruses and bacteria
- Stainless steel components
- Compressed air connection is required
- Perfect tool for cleaning in hotels, public and agricultural areas, vehicles and so much more!
- The mist easily gets in the smallest areas and cracks

**#200083500**

**Two different fog** nozzle inserts are included.
Easy change of nozzles by hand screw connection.

**Better swirling:**
Particularly suitable in smaller rooms

**Larger throw range:**
For the treatment of entire rooms or for targeted treatment at the air intake of ventilation systems.

Scan QR code to watch a short demo

*https://www.youtube.com/watch?v=d0WmJRosSjk&feature=youtu.be*

### ALSO AVAILABLE:

*Window Attachment*
*#200083400*

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# Nozzle Chart

| Nozzle Orifice Size | Gallons Per Minute (GPM) | Pounds Per Square Inch (PSI) | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 500 PSI | 600 PSI | 700 PSI | 800 PSI | 1000 PSI | 1500 PSI | 2000 PSI | 2500 PSI | 3000 PSI | 3500 PSI | 4000 PSI | 4500 PSI | 5000 PSI | 5500 PSI | 6000 PSI | 6500 PSI | 7000 PSI | 7500 PSI | 8000 PSI |
| 2 | | .71 | .77 | .84 | .89 | 1.0 | 1.2 | 1.4 | 1.6 | 1.7 | 1.9 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 |
| 2.5 | | .9 | 1.0 | 1.0 | 1.1 | 1.3 | 1.6 | 1.8 | 2.0 | 2.2 | 2.3 | 2.5 | 2.7 | 2.8 | 2.9 | 3.1 | 3.2 | 3.3 | 3.4 | 3.5 |
| 3.0 | | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.8 | 2.1 | 2.4 | 2.6 | 2.8 | 3.0 | 3.2 | 3.4 | 3.5 | 3.7 | 3.8 | 4.0 | 4.1 | 4.2 |
| 3.5 | | 1.3 | 1.4 | 1.5 | 1.6 | 1.8 | 2.2 | 2.5 | 2.8 | 3.1 | 3.3 | 3.5 | 3.7 | 3.9 | 4.1 | 4.3 | 4.5 | 4.6 | 4.8 | 4.9 |
| 4.0 | | 1.4 | 1.6 | 1.7 | 1.8 | 2.0 | 2.5 | 2.8 | 3.2 | 3.5 | 3.7 | 4.0 | 4.2 | 4.5 | 4.7 | 4.9 | 5.1 | 5.3 | 5.5 | 5.7 |
| 4.5 | | 1.6 | 1.7 | 1.9 | 2.0 | 2.3 | 2.8 | 3.2 | 3.6 | 3.9 | 4.2 | 4.5 | 4.8 | 5.0 | 5.3 | 5.5 | 5.7 | 6.0 | 6.2 | 6.4 |
| 5.0 | | 1.8 | 1.9 | 2.1 | 2.2 | 2.5 | 3.1 | 3.5 | 4.0 | 4.3 | 4.7 | 5.0 | 5.3 | 5.6 | 5.9 | 6.1 | 6.4 | 6.6 | 6.8 | 7.1 |
| 5.5 | | 1.9 | 2.1 | 2.3 | 2.5 | 2.8 | 3.4 | 3.9 | 4.3 | 4.8 | 5.1 | 5.5 | 5.8 | 6.2 | 6.4 | 6.7 | 7.0 | 7.3 | 7.5 | 7.8 |
| 6.0 | | 2.1 | 2.3 | 2.5 | 2.7 | 3.0 | 3.7 | 4.2 | 4.7 | 5.2 | 5.6 | 6.0 | 6.4 | 6.7 | 7.0 | 7.3 | 7.6 | 7.9 | 8.2 | 8.5 |
| 6.5 | | 2.3 | 2.5 | 2.7 | 2.9 | 3.3 | 4.0 | 4.6 | 5.1 | 5.6 | 6.1 | 6.5 | 6.9 | 7.3 | 7.6 | 8.0 | 8.3 | 8.6 | 8.9 | 9.2 |
| 7.0 | | 2.5 | 2.7 | 2.9 | 3.1 | 3.5 | 4.3 | 4.9 | 5.5 | 6.1 | 6.5 | 7.0 | 7.4 | 7.8 | 8.2 | 8.6 | 8.9 | 9.3 | 9.6 | 9.9 |
| 7.5 | | 2.7 | 2.9 | 3.1 | 3.4 | 3.8 | 4.6 | 5.3 | 5.9 | 6.5 | 7.0 | 7.5 | 8.0 | 8.4 | 8.8 | 9.2 | 9.6 | 9.9 | 10.3 | 10.6 |
| 8.0 | | 2.8 | 3.1 | 3.4 | 3.6 | 4.0 | 4.9 | 5.7 | 6.3 | 6.9 | 7.5 | 8.0 | 8.5 | 8.9 | 9.4 | 9.8 | 10.2 | 10.6 | 11.0 | 11.3 |
| 9.0 | | 3.2 | 3.5 | 3.8 | 4.0 | 4.5 | 5.5 | 6.4 | 7.1 | 7.8 | 8.4 | 9.0 | 9.6 | 10.1 | 10.6 | 11.0 | 11.5 | 11.9 | 12.3 | 12.7 |
| 10 | | 3.5 | 3.9 | 4.2 | 4.5 | 5.0 | 6.1 | 7.1 | 7.9 | 8.7 | 9.4 | 10.0 | 10.6 | 11.2 | 11.7 | 12.2 | 12.7 | 13.2 | 13.7 | 14.1 |
| 12 | | 4.2 | 4.6 | 5.0 | 5.4 | 6.0 | 7.3 | 8.5 | 9.5 | 10.4 | 11.2 | 12.0 | 12.7 | 13.4 | 14.1 | 14.7 | 15.3 | 15.9 | 16.4 | 17.0 |
| 15 | | 5.3 | 5.8 | 6.3 | 6.7 | 7.5 | 9.2 | 10.6 | 11.9 | 13.0 | 14.1 | 15.0 | 15.9 | 16.8 | 17.6 | 18.4 | 19.1 | 19.8 | 20.5 | 21.2 |

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