

# Industrial

**Hydro**<sup>®</sup>  
**systems**  
A **DOVER** COMPANY



# About Us

## A broad choice - whatever the application

For 50 years, Hydro Systems has been developing and introducing products that improve chemical performance, reliability and our customers' bottom lines.

We build long-lasting relationships with customers and offer custom, industry-leading solutions that positively impact your business. Hydro is committed to delivering superior customer support and ensuring unparalleled responsiveness to customers around the world. Our commitment to cutting-edge technology, customer satisfaction and safer operations makes us the leader in the chemical proportioning and dispensing industry.

## Solutions for Metal Working

Hydro Systems offers safe and sustainable solutions for the metal working industry. Our products are made in the USA and exceed metal working industry standards. Hydro Systems' products are designed to be durable and of the highest quality.

Water driven, Hydro Systems' products save on energy. By eliminating the need for electricity, Hydro Systems has created easy-to-manuever products that are both cost- and time-efficient. Turnkey panels are also available if it is necessary for your application.

Hydro Systems manufactures a family of products to meet your needs depending on the pressure, water flow, and viscosity of the fluids you need to deliver.

### **Applications:**

- Coolants
- Lubricants
- Cleaners & degreasers
- Spray cabinets
- Cutting & stamping
- Vibratory bowls
- Parts washing
- Rust inhibitors
- Grinding
- Water treatment
- Floor scrubbers

# MiniDos

## Overview

The MiniDos low-mid flow, water-driven proportional injectors offer an ideal alternative to traditional, non-electric technology. These injectors are compact and offer the widest range of injection ratios.

Unlike traditional electric pumps, MiniDos injectors eliminate the need for electricity and can operate in remote areas. They are easy to install and maintain, making them ideal for low-mid-flow injection applications.

## Features

- Durable molded construction
- Lightweight
- Wide range of dilutions
- Constructed with chemically compatible materials

### Perfect For:

- Rust inhibitors
- Surface Prep
- Industrial cleaners & degreasers
- Metal working fluids

### Applications:

- Coolants
- Lubricants
- Spray cabinets
- Cutting & grinding
- Vibratory bowls
- Parts washing
- Water treatment
- Floor scrubbers



## Models & Specifications

Model #	Description	Flow Range		Operating Pressure		Injection Range	
		gpm	l/h	psi	bar	%	ratio
112608	Mini-Dos 0.4%	0.03 - 12	7 - 2,700	6 - 140	0.5- 9.6	0.025 - 0.4%	1:4000 - 1:250
112600	Mini-Dos 1%	0.03 - 12	7 - 2,700	6 - 140	0.5- 9.6	0.2 - 1%	1:5000 - 1:100
112602	Mini-Dos 2.5%	0.03 - 12	7 - 2,700	6 - 140	0.5- 9.6	0.5 - 2.5%	1:200 - 1:40
112604	Mini-Dos 5%	0.03 - 12	7 - 2,700	6 - 140	0.5- 9.6	1 - 5%	1:100 - 1:20
112606	Mini-Dos 10%	0.07 - 10	16 - 2,200	6 - 65	0.5 - 4.5	2 - 10%	1:50 - 1:10
112620	Mini-Dos 20%	0.07 - 7	16 - 1,500	6 - 65	0.5 - 4.5	4 - 20%	1:25 - 1:5

# Streamline

## Overview

Streamline dispensers in stainless steel cabinets are the industry's preferred equipment for dispensing a wide variety of automatically diluted solutions into spray bottles, buckets, auto scrubbers or other containers at the touch of a button.

Solutions dispensed through the Streamline Series are automatically diluted to the proportion called for by the concentrate manufacturer.

## Features

- Better chemical performance – consistent correct dilution
- Time and labor savings – solutions are prepared accurately with reduced preparation time
- Improved employee safety – eliminates splashing, spilling and back strain
- Eliminates manual mixing, ensuring optimal performance of diluted solution
- 2, 3 and 4 button models offered for many applications
- Durable stainless steel cabinet
- Expandable and customized installation available
- Environmentally friendly

### Perfect For:

- Industrial cleaners
- Degreasers
- Metal working fluids

### Applications:

- Coolants
- Lubricants
- Cleaners & degreasers
- Cutting & grinding
- Floor scrubbers



# HydroMinder

## Overview

HydroMinder has been the industry standard for liquid level maintenance for over 20 years. Keep any reservoir filled with consistently mixed solution. When the solution level in a reservoir drops, the HydroMinder's float opens a non-electric, magnetic valve. The flow of water siphons liquid concentrate into the water stream, automatically maintaining the level of ready-to-use solution.

## Features

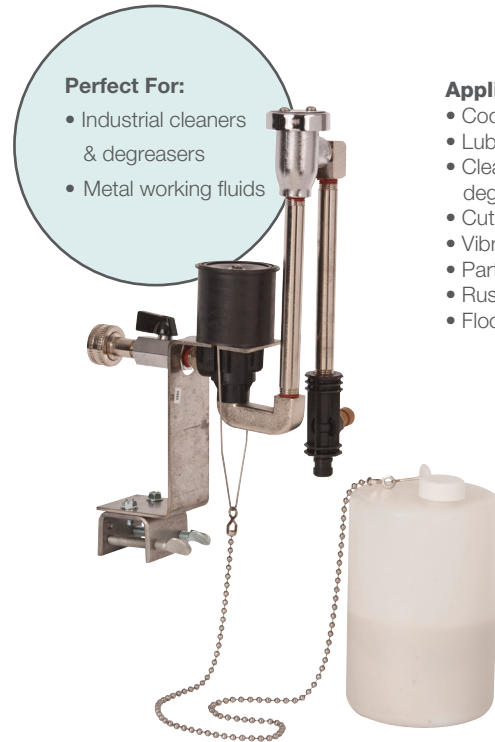
- HydroMinder units use water power, no electricity required
- Build with high quality, chemically resistant materials
- Economical, easy to operate and maintain
- Better chemical performance – consistent automatic dilution delivers maximum performance
- Time and labor savings – eliminates the need for manually handling, measuring and mixing concentrated chemicals
- Improved employee safety – eliminates exposure to concentrated product

### Perfect For:

- Industrial cleaners & degreasers
- Metal working fluids

### Applications:

- Coolants
- Lubricants
- Cleaners & degreasers
- Cutting & grinding
- Vibratory bowls
- Parts washing
- Rust inhibitors
- Floor scrubbers



# HydroMaster

## Overview

HydroMaster drum or wall mounted proportioners automatically mix liquid metal working fluids concentrates with water and dispense the diluted solution into any container.

HydroMasters use water power, not electricity, so concentrates don't have to be located near outlets, just within reach of a water source.

## Features

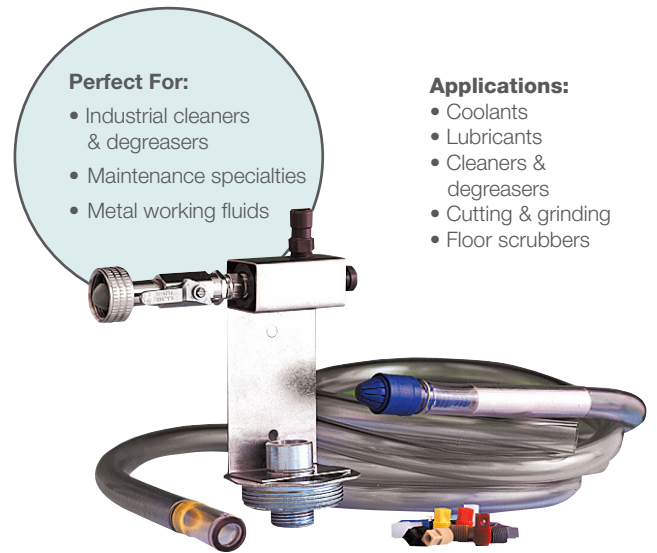
- High quality, chemically resistant materials
- Non-electric
- Compact, easy to store

### Perfect For:

- Industrial cleaners & degreasers
- Maintenance specialties
- Metal working fluids

### Applications:

- Coolants
- Lubricants
- Cleaners & degreasers
- Cutting & grinding
- Floor scrubbers



## Models & Specifications

Model #	Description	Flow Rate (GPM)	# of Products	Approximate Dilution Range	
				Min.	Max.
204	Wall mounted	4.8	1	4.5:1	400:1
206	Wall/drum mounted	4.8	1	4.5:1	400:1
208	High concentration	2.5	1	1:1	110:1
216	Wall/drum mounted	9.8	1	5:1	1024:1
220	Wall/drum mounted	16.8	1	8:1	1136:1

# HydroFoamer

## Overview

The HydroFoamer offers easy automatic dilution with convenient control of where and how the solution is applied. On and off functions are at your fingertips, trigger controlled on the spray nozzle.

To rinse, the concentrate container is disconnected using an easy-to-operate quick coupler, designed to allow either a full width spray or powerful jet stream while rinsing. This range of control helps personnel apply the solution where it's wanted. Handles on larger containers increase the operator's control over the application.

## Features

- Built with Hydro's proven, reliable components – durability proven by years of use in the field
- Compact, easy to store
- Increased productivity of employees
- Enhanced safety (reduced exposure to concentrates)
- Non-electric, no installation required – just fill the concentrate container and connect the dispenser to a water source
- Maximum cleaning product performance

### Perfect For:

- Spraying
- Foaming

### Applications:

- Coolants
- Lubricants
- Cleaners & degreasers
- Spray cabinets
- Cutting & stamping
- Vibratory bowls
- Parts washing
- Rust inhibitors
- Grinding
- Water treatment
- Floor scrubbers



Model 481



Model 483

## Models & Specifications

Model #	Part # Capacity	Approximate Dilution Range	
		Max.*	Min.
481	96 ounces (2.8 liters)	128:1	12:1
483	48 ounces (1.4 liters)	128:1	12:1

\* Leaner dilutions available — contact Hydro Systems for more information: **800.543.7184**.

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