DURALINE™

Deionized Water Lab Faucets

new

LABORATORY FAUCETS

MS.DLDS.2018

Materials: PVC, Natural Polypropylene, & PVDF

Fields of Application: Distilled, Deionized, RO, Ultra Filtrated Water, & Chemical Dispensing.

The industry has long awaited a DI Water Lab Faucet that would provide the durability and strength of a metal faucet, without the contamination and corrosion that metal introduces into the process environment. Marquest Scientific's Duraline Faucets offer the ultimate in durability for commercial applications, featuring a full array of heavy-duty faucets that are built to withstand constant use -- and the occasional misuse, found in commercial applications.

Features & Benefits

- Max flow of 2.5 GPM @ 80 PSI
- "Duraline" zero dead leg control valve offers easy open/close operation, 120 deg full flow to closed
- Super rigid, heavy wall, injection molded stanchion prevents breakage
- All components designed for high traffic , hard use environments
- Ultra smooth internal flow path
- Black handle with white marker and black "DI" text per SEFA code No. 7 for DI Water Applications
- FDA, USDA, and USP standards are either met and/or exceeded
- Duraline control valve is completely renewable by replacing the internal cartridge, per SEFA 7-2010-8.2a
- Positive stop at off position
- No elastomers, metals, or lubricants used in construction
- Custom handle marker text available including "RO", "HW", "CW", and more. Please contact factory

Example: DL-DD-1
PVC, Deck Mount
3/8" Fem NPT Inlet
Duraline Control Valve

Example: DL-DD-3
PVDF, Deck Mount
3/8" Fem NPT Inlet
Duraline Control Valve

(1) Please see backside of data sheet for ordering info, including configuration & material options.

Specifications

Inlet Connections: 3/8" Female NPT
Materials: PVC, Natural Polypropylene, PVDF
Seal Materials: Virgin Modified PTFE
Configurations: Deck or Wall Mount
Operating Pressure / Temp Range: 1 - 250 PSI / 50° - 248° F
Codes & Standards: ARRA Section 1605 "Buy American" Compliant. ASME A112.18.1M
Flow Rate: Max Flow Rate of 2.5 GPM @ 80 PSI

Notes

Note 1: Deck Mount Assemblies include a 3.5" Thru-Deck Nipple and Wall Mount Assemblies a 2.5" Thru-Deck Nipple Length, Ring Nut, and Casual Water Gasket.
Note 2: Inlet Connection on all Assemblies is 3/8" Female NPT. 3/8" O.D. Tube x 3/8" Male NPT Jaco Compression Tube Fitting Included.
Note 3: All Assemblies Require 1" Diameter Hole for Mounting.
Note 4: Maximum Deck and Wall Thickness is 3" and 2" respectively.

Markets / Applications

- Life Sciences
- Semiconductor
- Mining
- Food & Beverage
- Waste Water
- Petrochemical Industry
- Nutritional Testing
- Cosmetics
- Chromatography / Spectrometry
- Hospitals
- Research Laboratories
- Specialty Chemicals
- Environmental / Water Analysis
- Analytical / Chemistry

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MARQUEST SCIENTIFIC
Fluid Handling Products

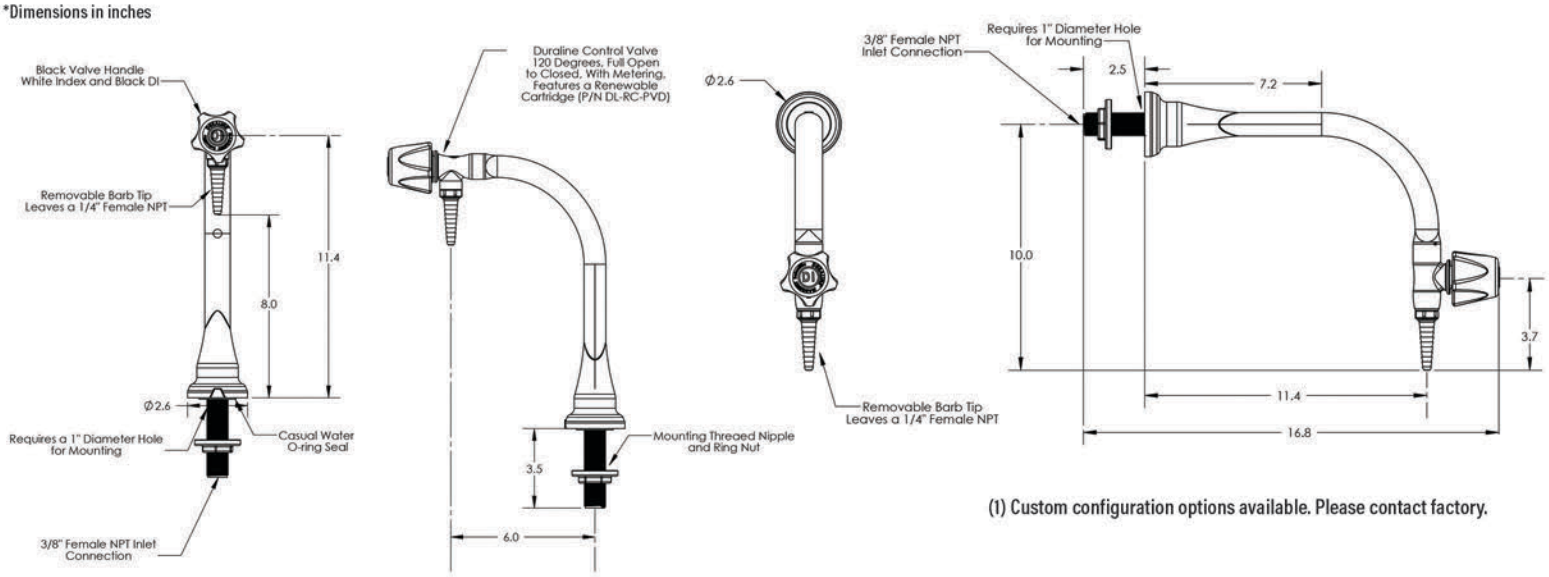
LABORATORY FAUCETS

DURALINE™

Deionized Water Lab Faucets

Dimensional Data / Parts List

*Dimensions in inches



(1) Custom configuration options available. Please contact factory.

Pressure / Temperature Data

WORKING PRESSURES PSI (water, non-shock) — WEIGHTS

Material	10°C 50°F	20°C 68°F	30°C 86°F	40°C 104°F	50°C 122°F	60°C 140°F	70°C 158°F	80°C 176°F	90°C 194°F	100°C 212°F	120°C 248°F	Net Weights Pounds*
PVC	200	250	250	220	140	135	----	----	----	----	----	1.1
PP	200	240	240	210	145	125	75	60	----	----	----	.72
PVDF	240	250	250	250	250	230	220	200	160	140	80	1.3

Temperature Ranges: PVC: 14° to 140° F (10° to 60° C), PP: 46° to 176° F (8° to 80° C), PVDF: -22° to 248° F (-30° to 120° C).
* Weights are for fully assembled lab faucet in heat sealed poly bag within a box.

Duraline Control Valve Renewable Cartridge

The Duraline control valve is completely renewable by replacing the internal cartridge, per SEFA 7-2010-8.2a

P/N: DL-RC-PVD

How to Order

Part No: DL - D D - 1

MODEL	MOUNTING	CONTROL VALVE	MATERIAL
Duraline Series	D = Deck Mount W = Wall Mount	D = Duraline Metering Control Valve with Hard Stop. 120 Deg Full Flow to Closed	1 = PVC - Polyvinyl Chloride 2 = Natural Unpigmented Polypropylene 3 = 100% HP Virgin PVDF

Example: DL-DD-1
PVC Duraline Lab Faucet, Deck Mount, Duraline Metering Control Valve, Removable Serrated Barb Tip (Leaves 1/4" Fem NPT Outlet when Removed), 3/8" Fem NPT Supply Inlet Connection

Example: DL-WD-3-CF02-RO
PVDF Duraline Lab Faucet, Wall Mount, Duraline Metering Control Valve, RO Handle Index I.D., Removable .2 Micron Cap Filter Outlet (Leaves 1/4" Fem NPT Outlet when Removed), 3/8" Fem NPT Supply Inlet Connection

(1) Optional point-of-use accessories are available including an aerator, .2 micron capsule filter, custom index i.d. buttons, and other custom accessories upon request. Please contact Marquest.

(2) Standard through deck nipple "shank" length dimension is 3.5" for deck mount and 2.5" for wall mount. Optional nipple lengths include 2", 1.5", and 1". Please contact Marquest customer service for ordering info.

Optional Accessories

-AER
For glass ware rinsing, a removable Marquest Aerator in PVC, Nat Polypro, & PVDF provides for a non-splashing stream by delivering a mixture of air & water versus a standard laminar stream. An additional Removable Serrated Barb comes standard when your faucet is ordered with an Aerator.

-CF02
Add a replaceable Meissner STyLUX PES .2 Micron Capsule Filter to your Marquest Faucet. Provides bacteria and particle removal at high flow rates and extremely low pressure drops. Meets ASTM F838-05 as a Sterilzing Grade Filter. Effective Filtration Area is .22 sq ft. Natural Polypropylene Housing with Polyethersulfone (PES) membrane. 1/4" MNPT Outlet on Fileter. When removed leaves a 1/4" female NPT outlet at end of faucet spout.

Handle I.D. Options:

DI — Deionized Water (Standard)

RO — **-RO** Reverse Osmosis

CW — **-CW** Cold Water

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