DURALINE™
Deionized Water Lab Faucets

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 reusable 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

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

Where Quality Meets Service & Value™
LABORATORY FAUCETS

Dimensional Data / Parts List

Pressure / Temperature Data

| 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 Weight| 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         | 230       | 220       | 200       | 160       | 140       | 80          | 1.3        |

Temperature Ranges: PVC: 14°F to 140°F (50°F to 60°C), PP: 40°F to 170°F (5°C to 80°C), PVDF: -22°F to 246°F (-30°C 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 722010-8.2a

P/N: DL-RC-PVD

Optional Accessories

- AER
  For glass ware rinsing, a removable Markquest 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 Tylox PE5 2 Micron Capsule Filter to your Markquest Faucet. Provides bacteria and particle removal at high flow rates and extremely low pressure drops. Meets ASTM F683-05 as a Sterilizing Grade Filter. Effective Filtration Area is .22 sq. ft. Natural Polypropylene Housing with Polyethersulfone (PES) membrane. 1/4” MNPT Outlet on Filter. When removed leaves a 1/4” female NPT outlet at end of faucet spout.

How to Order

Part No: DL-DD-1

MODEL
Duraline Series

MOUNTING
D = Deck Mount
W = Wall Mount

CONTROL VALVE
D = Duraline Metering
Control Valve with Hard Stop, 120 Deg Full Flow to Closed

MATERIAL
1 = PVC - Polyvinyl Chloride
2 = Natural Unpigmented Polypropylene
3 = 100% HP Virgin PVDF

Example: DL-DD-1
PVDF Duraline Lab Faucet, Wall 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 1D, Removable 2 Micron Cap Filter Outlet (Leaves 1/4” Fem NPT Outlet when Removed), 3/8” Fem NPT Supply Inlet Connection

Optional L.D. Options:

DI - Deionized Water
RO - Reverse Osmosis
CW - Cold Water

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

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