

# Hot/Cold Lab Faucets

## Series LG w/ Hot & Cold Duraline™ Valves

# Laboratory Faucets

### Materials: PVC, Natural Polypropylene, PVDF

The Series LG Hot/Cold Lab Faucet provides POU access of Type I, II, III Hot & Cold deionized water and chemicals. There are no elastomers, metals, or lubricants used in their construction providing contaminate free dispensing.

### Features & Benefits

- Max flow of 2.5 GPM @ 80 PSI
- Zero dead leg hot & cold control valves offer easy open / close operation, 120 deg full flow to closed
- No elastomers, metals, or lubricants used in construction
- All components designed for high traffic , hard use environments
- Ultra smooth internal flow path
- Unique heavy wall construction, custom extruded gooseneck component for increased rigidity
- PTFE sealed, encapsulated PTFE shut off seal for unlimited life
- Black handles with red (hot) and blue (cold) markers with white "HW" and "CW" text per plumbing code
- Positive stop at off position



**Example: LG-DD-HC1**

PVC, Deck Mount  
3/8" Fem NPT Hot/Cold Inlets  
Duraline Hot/Cold Control Valves

**Example: LG-WD-HC2**

Natural Polypro, Wall Mount  
3/8" Fem NPT Hot/Cold Inlets  
Duraline Hot/Cold Control Valves

### Specifications

**Inlet Connections:** 3/8" Female NPT

**Materials:** PVC, Natural Polypropylene, PVDF

**Seal Materials:** Virgin PTFE

**Configurations:** Deck or Wall Mount

**Operating Pressure Range:** 1 - 200 PSI

**Codes & Standards:** ARRA Section 1605 "Buy American"  
Compliant. ASME A112.18.1M

**Flow Rate:** Max Flow Rate of 2.5 GPM @ 80 PSI

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

### Markets / Applications

- Life Sciences
- Semiconductor Manufacturing
- Mining
- Food & Beverage
- Cosmetics
- Chromatography / Spectrometry
- Hospitals
- University Research Laboratories
- Specialty Chemicals

### Notes

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.
2. Inlet Connection on all Assemblies is 3/8" Female NPT. 3/8" O.D. Tube x 3/8" Male NPT Jaco Compression Tube Fittings Included.
3. All Assemblies Require 1" Diameter Hole for Mounting.
4. Maximum Deck and Wall Thickness is 3" and 2" respectively.



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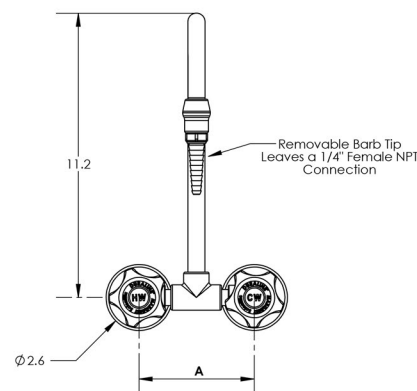
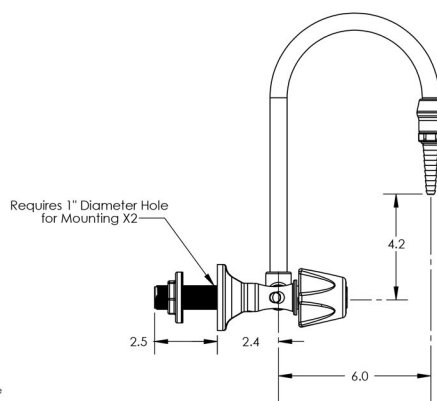
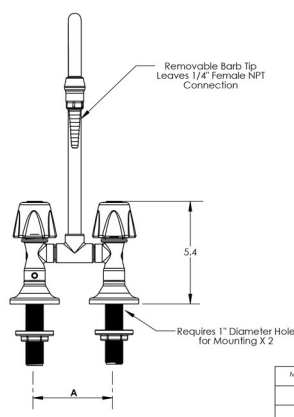
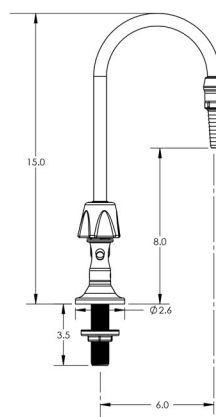
**MARQUEST** SCIENTIFIC  
Fluid Handling Products

# Lab Faucets

## Hot/Cold Lab Faucets Series LG w/ Hot & Cold Duraline Valves

### Dimensional Data / Parts List

\*Dimensions in inches



| Material P/N<br>(uffix) | Material               | Dimension<br>A |
|-------------------------|------------------------|----------------|
| 1                       | PVC, Dark Gray         | 4.9            |
| 2                       | Polypropylene, Natural | 4.5            |
| 3                       | PVDF, Natural          | 4.5            |

(1) Custom dimensions available. Please contact factory.

### Pressure / Temperature Data

#### WORKING PRESSURES PSI

| Material | 10°C<br>50°F | 20°C<br>68°F | 30°C<br>86°F | 40°C<br>104°F | 50°C<br>122°F | 60°C<br>140°F | 70°C<br>158°F | 80°C<br>176°F | 90°C<br>194°F | 100°C<br>212°F | 120°C<br>248°F | Net Weights<br>Pounds* |
|----------|--------------|--------------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|------------------------|
| PVC      | 200          | 250          | 250          | 220           | 140           | 135           | ---           | ---           | ---           | ---            | ---            | 1.3                    |
| PP       | 200          | 240          | 240          | 210           | 145           | 125           | 75            | 60            | ---           | ---            | ---            | 1.1                    |
| PVDF     | 240          | 250          | 250          | 250           | 250           | 230           | 220           | 200           | 160           | 140            | 80             | 1.6                    |

#### WEIGHTS

Temperature Ranges: PVC: 14 to 140°F (10 to 60°C), CPVC: 50 to 194°F (10 to 90°C), PP: 46 to 176°F (8 to 80°C), PVDF: -22 to 248°F (-30 to 120°C). \* Weights are for fully assembled unit, poly bagged.



#### Duraline Control Valve Renewable Cartridge

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

### How to Order

Part No: LG - DD - HC1 -

**MODEL**  
Lab Gooseneck

**MOUNTING**  
D = Deck Mount  
W = Wall Mount

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

**MATERIAL**  
HC1 = PVC - Polyvinyl Chloride  
HC2 = PPN - Natural Unpigmented Polypropylene  
HC3 = 100% HP Virgin PVDF

#### Example: LG-DD-HC1

PVC Lab Faucet, Deck Mount, Duraline Hot & Cold Metering Control Valves, Removable Serrated Barb Tip (Leaves 1/4" Fem NPT Outlet when Removed), 3/8" Fem NPT Hot & Cold Supply Inlet Connections

#### Example: LG-WD-HC2-AER

Natural Polypro Lab Faucet, Wall Mount, Duraline Hot & Cold Metering Control Valves, Removable Polypro Aerator Outlet (Leaves 1/4" Fem NPT Outlet when Removed), 3/8" Fem NPT Hot & Cold Supply Inlet Connections

(1) Optional point-of-use accessories are available including an aerator, .2 micron capsule filter, and other custom accessories upon request.

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

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