



Laboratory Fixtures



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This laboratory service fixture catalog presents an overview of our standard product line. The models shown here are representative of the over 3000 service fixtures that we offer. For further information please contact LOC Scientific.

In addition to the products shown here we also offer the colortech range of laboratory service fixtures. Colortech fixtures are distinguished by their sleek, streamlined,

European styling and a powder coated finish. Please contact LOC Scientific for a complete colortech catalog.

All LOC Scientific products are designed and manufactured to meet or exceed industry standards, including SEFA 7-1996 "Recommended Practice for Laboratory and Hospital Fixtures."

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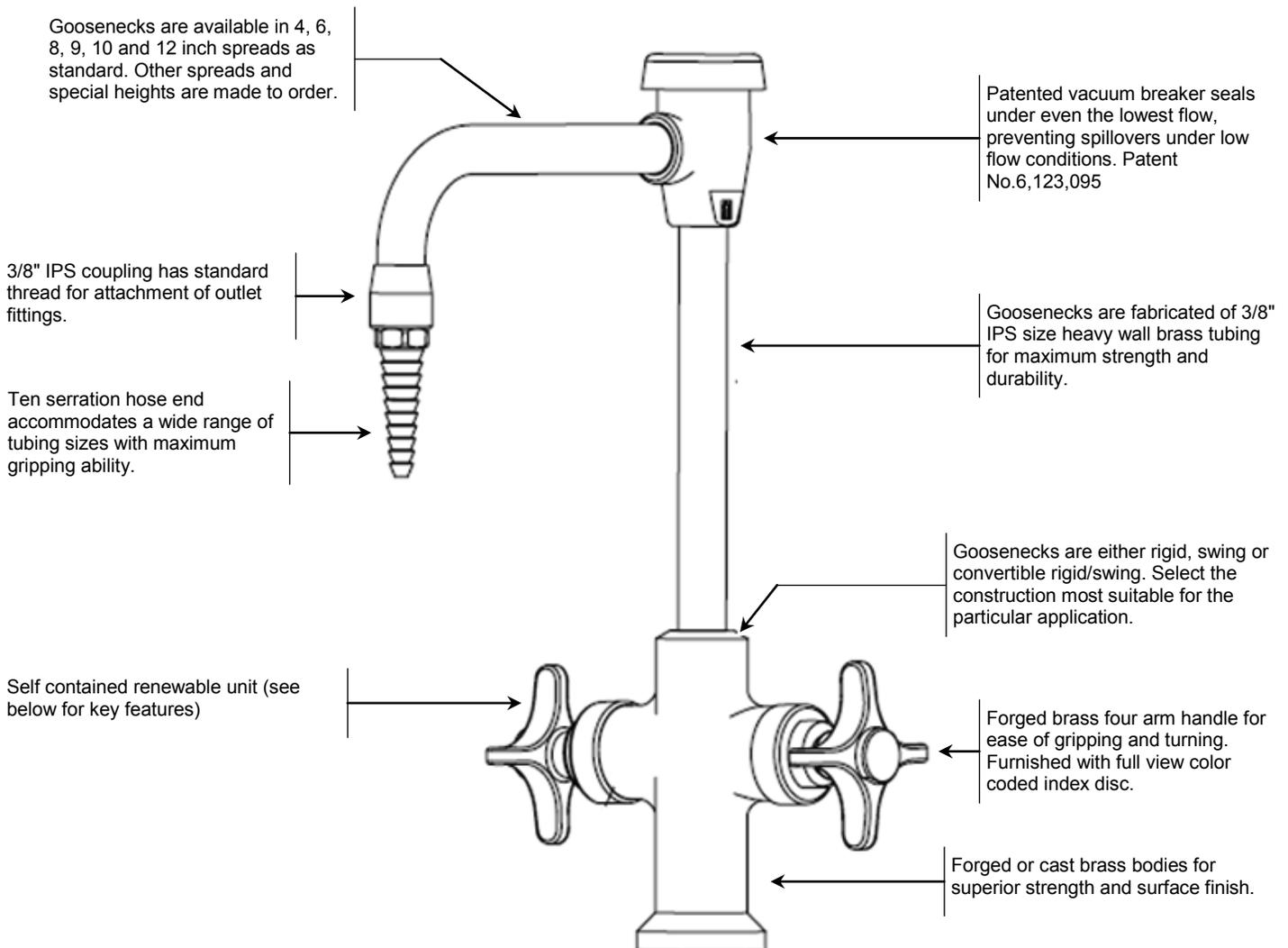
WATER FIXTURE CONSTRUCTION

LOC Scientific faucets are engineered and built for performance and durability. All fixtures utilize a standardized renewable unit cartridge which incorporates a replaceable stainless steel seat. All working components of the faucet are contained in the renewable unit. The faucet body itself is not subject to wear, making it virtually everlasting.

All faucets meet the requirements of ANS/ASME A112.18.1-2005 and are certified by CSA International under CAN/CSA 8.125.1-05.

Vacuum breakers are designed specifically for laboratory applications. As such, they are designed to seal properly and prevent spillage under extreme low flow conditions. Vacuum breakers are certified by the American Society of Sanitary Engineers (ASSE) under ASSE Standard No. 1001 and by CSA International under CSA standard CAN/CSA - B64 Series 01 (R2006).

Key features of LOC Scientific faucets include the following

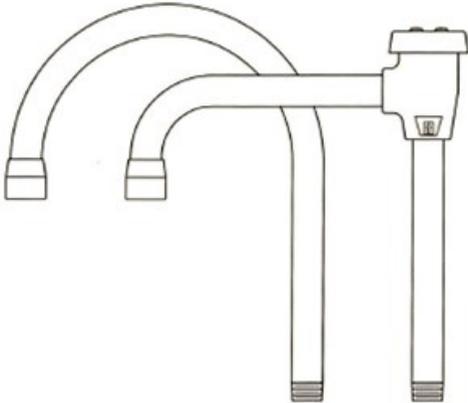


GOOSENECKS

Gooseneck water fixtures are available with a choice of three types of gooseneck construction. Each type of construction has its own advantages; lab designers and users can thus choose the type of gooseneck best suited to the application.

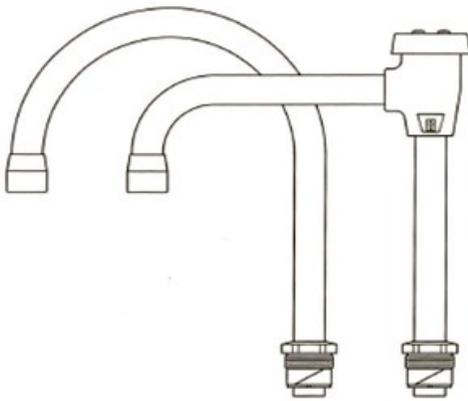
Goosenecks are fabricated of heavy wall brass tubing, with a minimum wall thickness of .085". Goosenecks will therefore resist bending and stand up to even the most demanding lab conditions.

Atmospheric vacuum breakers are specially designed for laboratory use. As such, they are resistant to spillage even under very low flow conditions.



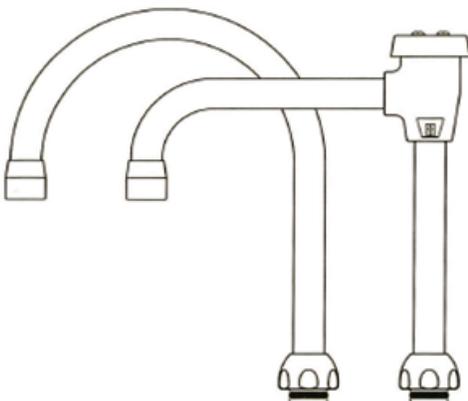
Rigid Construction (RG series)

- Gooseneck is threaded directly into top of faucet body.
- Gooseneck is held absolutely rigid and cannot be turned. This type of construction is advantageous at cup sinks where the faucet outlet should be directed into the sink at all times.
- Faucets may be ordered with gooseneck positioned as right hand, left hand or 180 degrees. If not specified, right hand position will be furnished.



Swing Construction (SG series)

- Gooseneck is furnished with a braided TFE packing and adjustable packing nut.
- TFE packing allows gooseneck to turn very smoothly while providing a solid connection to the faucet body, with no lateral play or movement.
- Adjustable packing nut may be tightened down to compensate for wear that might occur in the packing. Unlike goosenecks with O rings, there are no components that will ever require replacement.



Rigid/Swing Construction (RS series)

- Gooseneck has union style construction with union nut and two O ring seals.
- Faucets with rigid/swing goosenecks may be installed in the field with either rigid or swing configuration. Two spacers are furnished with each gooseneck. For rigid construction, the brass spacer is installed. For swing construction, the nylon spacer is installed. Faucets may be readily converted from rigid to swing and vice versa.
- Union style construction facilitates changing goosenecks in the field, should a different spread or height be desired. Simply loosen union nut, remove the gooseneck and install the replacement gooseneck.

VALVE SELECTION GUIDE

LOC Scientific offers a wide selection of valves for use with laboratory gases. The selection of a valve for any particular application depends upon many factors, including the working pressure of the gas, the degree of metering or control desired, and the characteristics (including the corrosiveness) of the gas. This Valve Selection Guide is presented to assist in selecting the most appropriate valve for an application. However,

care must be taken in selecting valves for gas service, and LOC Scientific cannot be responsible for the results obtained from using any particular valve in any particular application. In particular, reference must be made to applicable plumbing and piping codes, life safety standards and project specifications when selecting valves.

	Fine Control Needle Valve	Standard Needle Valve	Laboratory Ball Valve
Models	L2870, L3170, L4870, L5170, L62870, etc.	L2880, L3180, L4880, L5180, L62880, etc.	L4100, L4100FH, L4200, L4200FH, etc.
Construction	Needle Point	Needle Point	Ball Valve
Control	Precise Metering	Good Metering	On/Off
Body Material	Brass or Stainless Steel	Brass or Stainless Steel	Brass or Stainless Steel
Handle	Four Arm	Four Arm	Lever
Test Pressure/Media	375 PSI/Nit	225 PSI/Nit	125 PSI/Nit
Maximum Working Pressure	250 PSI	150 PSI	75 PSI
CSA Certified for Natural Gas	No	Yes	Yes
ADA Compliant	No	No	Yes
Use with Pressure Regulator	Yes	No	No
Cleaned for High Purity Gas	Standard	When Ordered	When Ordered
Gas Compatibility by Service			
Air	Yes	Yes	Yes
Ammonia	Yes (St. Steel Only)	Yes (St. Steel Only)	No
Acetylene	Yes (St. Steel Only 15 PSI Max)	Yes (St. Steel Only 15 PSI Max)	No
Argon	Yes	Yes	Yes
Butane	Yes	Yes	Yes
Carbon Dioxide	Yes	Yes	Yes
Carbon Monoxide	Yes	Yes	Yes
Compressed Air	Yes	Yes	Yes
Cylinder Gas	Yes	Yes	Yes
Natural Gas	Yes	Yes	Yes
Helium	Yes	Yes	Yes
High Vacuum	Yes	Yes	Yes
Hydrogen	Yes	Yes (Specially Clean)	Yes (Specially Clean)
Low Vacuum	Yes	Yes	Yes
Methane	Yes	Yes	Yes
Nitrogen	Yes	Yes	Yes
Oxygen	Yes	Yes (Specially Clean)	Yes (Specially Clean)
Propane	Yes	Yes	Yes
Special Gas	Yes	Yes	Yes
Steam	No	No	No
Vacuum	Yes	Yes	Yes

Notes:

1. Also available in PVC and polypropylene for nonmetallic applications.
2. For gases not specifically listed here, please consult with factory.
3. Steam service requires a valve with specialized internal construction only.

SERVICE FIXTURE INDEXING

LOC Scientific faucets and valves are furnished with either a forged brass or molded nylon handle. Handles have a raised screw on colored index button

permitting visibility of index color from top and all sides Color coding and symbol standards for index buttons are as follows:

Standard Indexing	Index Color	Letter Color	Symbol
Air	Orange	Black	Air
Carbon Dioxide	Pink	Black	CO2
Cold Water	Green	White	CW
Deionized Water	White	Black	DI
Distilled Water	White	Black	DW
Gas	Blue	White	GAS
Hot Water	Red	White	HW
Hydrogen	Pink	Black	HYD
Nitrogen	Brown	White	NIT
Oxygen	Lt. Green	Black	OXY
Steam	Black	White	STM
Vacuum	Yellow	Black	VAC

Other Indexing	Index Color	Letter Color	Symbol
Acetylene	Violet	White	C2H2
Acetylene	Violet	White	ACET
Ammonia	Lt. Green	Black	NH3
Argon	Violet	White	AR
Aspirator	Green	White	ASP
Butane	Lt. Blue	Black	BUT
Carbon Monoxide	Silver	Black	CO
Chilled Water	Green	White	CH WAT
Chilled Water Supply	Green	White	CHWS
Chilled Water Supply	Green	White	CWS
Chilled Water Return	Green	White	CHWR
Chilled Water Return	Green	White	CWR
Compressed Air	Orange	Black	CA
Cylinder Gas	Lt. Blue	Black	CYL GAS
Glycol Supply	Lt. Green	Black	GYL SUP
Glycol Return	Lt. Green	Black	GYL RET
Helium	Black	White	HE
High Vacuum	Yellow	Black	HI VAC
High Vacuum	Yellow	Black	HVAC

Other Indexing	Index Color	Letter Color	Symbol
Hydrogen	Pink	Black	H2
Hydrogen	Lt. Blue	Black	HYD
Hydrogen	Lt. Blue	Black	H2S
Hydrogen	Lt. Blue	Black	IW
Hydrogen Sulphite	Black	White	H2S
Ice Water	White	Black	IW
Industrial Cold Water	Green	White	ICW
Industrial Hot Water	Red	Red	IHW
Isobutene	Silver	Black	ISO
Lab Air	Orange	Black	LA
Lab Gas	Blue	White	LG
Lab Vacuum	Yellow	Black	LV
Low Vacuum	Yellow	Black	LO VAC
Low Vacuum	Yellow	Black	LVAC
Methane	Lt. Blue	Black	CH4
Natural Gas	Blue	White	NAT GAS
Nitrogen	Gray	Black	NIT
Nitrogen	Gray	Black	N2
Nitrogen	Brown	White	N
Nitrogen	Brown	White	N2
Nitrogen (cylinder)	Brown	White	NC
Nitrogen (Dewar)	Brown	White	ND
Nitrous Oxide	Lt. Green	Black	N2O
Oxygen	Lt. Green	Black	O2
Phosphorus	Tan	Black	P
Process Water	Green	White	PW
Propane	Pink	Black	PRO
Purified Water	White	Black	PW
Reverse Osmosis	White	Black	RO
Special Gas	Lt. Blue	Black	SG
Sulphur Dioxide	Tan	Black	S02
Tempered Water	Green	White	TW

DESIGN AND INSTALLATION GUIDELINE

Hole Sizing

LOC Scientific fixtures are furnished with standard size inlet shanks to penetrate the deck or wall surface. Minimum hole sizes for these shanks are listed below:

Inlet Shank	Minimum Hole Size
3/8" IPS Shank (L600 series, all fixtures with BI131 series turret, BI158 flange, etc.)	3/4" (.750)
1/2" IPS Shank (L2700 series faucets, deck mounted eye washes)	7/8" (.875)
3/4" IPS Shank (Electric pedestal boxes, AAP100/101 Sockets)	1-1/8" (1.125)
1-3/16" IPS Shank (L400 Series)	1-1/4" (1.25)
1-3/8" IPS Shank (L2200 Series)	1-3/8" (1.375)

Pipe Sizing and Material

Requirements for the size and material of supply piping are generally covered by local plumbing codes. Reference should be made to such codes when laying out piping for service fixtures and safety equipment. Pipe sizing is also affected by the number of fixtures or outlets installed on a run. However, typical piping standards for single fixtures and outlets are as follows:

Service	Piping Material	Minimum Pipe Size
Natural Gas	Black Iron or Stainless Steel	3/8"
Air/Vacuum	Copper	3/8"
Special Gases	Copper or Stainless Steel	3/8"
Steam	Black Iron	3/8"
Water	Copper	3/8"
Distilled, Deionized and Ultra Pure Water	PVC/Polypropylene/PVDF	1/2"
Emergency Showers	Copper	1"
Eye, Eye/Face Wash and Drench Hose Units	Copper	1/2"
Safety Station	Copper	1-1/4"

Installation Procedures

Installing LOC Scientific laboratory faucets, valves and safety equipment requires the use of common plumbing installation techniques. Observing the following guidelines will help to assure trouble free installation:

1. Thoroughly clean and flush supply lines prior to installing faucets and valves. Pipe shavings, scale, tape and other debris can be carried through a pipe and into a faucet or valve when the system is activated. This debris can damage valve components and interfere with the proper operation of the faucet or valve.
2. When placing a faucet or valve on a laboratory countertop or wall, secure the fixture using the lock washer and locknut. Tighten the locknut sufficiently to secure the fixture to the counter or wall. Do not over tighten .
3. In order to function properly, vacuum breakers must be installed in a vertical position, perpendicular to the finished floor. When installing a remote vacuum breaker (such as the L102 or L112), we recommend using a level to make sure that the vacuum breaker is installed in a plumb and level position.
4. Generally, fixtures have American National standard taper pipe threads (NPT) on the inlet. Use Teflon tape or other pipe sealant to seal these threads. Do not apply the sealant in away that will permit it to enter into the faucet or valve.
5. Observe the maximum test and working pressures for faucets and valves. Testing or using a valve at pressures for which it is not designed can result in leakage or failure.
6. Do not use valves for services and applications for which they are not intended. In particular:
 - Valves for oxygen service and high purity gases must be specially cleaned, lubricated and packed. Ball valves and needle valves which have not been specially cleaned are not acceptable
 - Needle valves should be used for gas services only. They are generally not suitable for use with water or steam.
7. To prevent surface damage, use caution when applying a wrench or other tool to the exterior of a faucet or valve.
8. Every LOC Scientific faucet is fully assembled at the factory. This includes installing the gooseneck into the faucet body and the outlet fitting into the gooseneck. Mounting shanks are furnished either loose (designated by the suffix "WS") or assembled (designated by the suffix "WSA"), as ordered.
9. Valve assemblies (such as needle valve or ball valve assemblies) are factory assembled, inspected and tested. Mounting shanks are furnished either loose (designated by the suffix "WS") or assembled (designated by the suffix "WSP"), as ordered. Factory assembly permits us to test the connections between the valve, the mounting fitting (turret or flange) and the mounting shank. Factory assembly also minimizes the field labor required to install the fixture and minimizes the possibility of damaging the fixture's finish during installation.
10. Clean faucets and valves using a soft cloth and soapy water. Do not use abrasives, detergents or other cleaners which can damage the finish on the fixture. In particular, do not use any solvent in or near a faucet or valve. Solvents can dissolve the lubricants used in the valve mechanism.

L2800

Laboratory Water Valve Straight Pattern



Application: Laboratory water valve with inlet and outlet at 180 degrees.

Body: Straight pattern forged brass with polished chrome plated finish.

Valve Unit: Self contained compression valve unit with replaceable stainless steel seat.

Handle: Forged brass four arm handle with color coded index disc.

Inlet: 3/8" NPT male inlet.

Outlet: 3/8" NPT female outlet with removable ten serration hose end.

Quality Assurance: Valve is fully assembled and factory tested prior to shipment.

ADDITIONAL MODEL

L2800-110 Same as above except with L110 inline vacuum breaker.

L2800-131WSA

Laboratory Water Valve Deck Mounted



Mounting: Deck mounted turret base with single outlet.

Valve Body: Straight pattern forged brass with polished chrome plated finish.

Valve Unit: Self contained compression valve unit with replaceable stainless steel seat.

Handle: Forged brass four arm handle with color coded index disc.

Inlet: Furnished with 3/8" IPS mounting shank (assembled), locknut and washer. 3/8" NPT male inlet.

Outlet: 3/8" NPT female outlet with removable ten serration hose end.

Quality Assurance: Fixture is fully assembled and factory tested prior to shipment.

ADDITIONAL MODELS

L2800-132AWSA Same as above except with two valves at 90 degrees.

L2800-132SWSA Same as above except with two valves at 180 degrees.

L2800-134WSA Same as above except with four valves.

L2800-141FT

Double Water Valve Assembly Wall Mounted



Mounting: For installation on vertical surfaces (such as drywall) where there is no access behind wall during installation. Wye fitting is threaded onto nipple stubbed out of wall. Threaded escutcheon is then backed up to wall to secure fixture and conceal pipe.

Valve Bodies: Straight pattern forged brass with polished chrome plated finish.

Valve Units: Self contained compression valve units with replaceable stainless steel seats.

Handles: Forged brass four arm handles with color coded index discs.

Inlet: 3/8" NPT female inlet.

Outlets: 3/8" NPT female outlets with removable ten serration hose ends.

Quality Assurance: Fixture is fully assembled and factory tested prior to shipment.

L2800-141WSA

Double Water Valve Assembly Panel/Overhead Carrier Mounted



Mounting: For installation on vertical or horizontal surfaces (such as pipe chases and service carriers) where there is access behind surface during installation. Threaded mounting shank is inserted through hole in surface and secured with locknut and washer.

Valve Bodies: Straight pattern forged brass with polished chrome plated finish.

Valve Units: Self contained compression valve units with replaceable stainless steel seats.

Handles: Forged brass four arm handles with color coded index discs.

Inlet: Furnished with 3/8" IPS mounting shank (assembled), locknut and washer. 3/8" NPT male inlet.

Outlets: 3/8" NPT female outlets with removable ten serration hose ends.

Quality Assurance: Fixture is fully assembled and factory tested prior to shipment.

LABORATORY WATER VALVES

Application: Laboratory water valve with inlet and outlet at 90 degrees.

Body: Angle pattern forged brass with polished chrome plated finish.

Valve Unit: Self contained compression valve unit with replaceable stainless steel seat.

Handle: Forged brass four arm handle with color coded index disc.

Inlet: 3/8" NPT male inlet.

Outlet: 3/8" NPT female outlet with removable ten serration hose end.

Quality Assurance: Valve is fully assembled and factory tested prior to shipment.

ADDITIONAL MODEL

L3100-110 Same as above except with L110 inline vacuum breaker.

L3100 Laboratory Water Valve Angle Pattern



Mounting: Turret base with single outlet for mounting underneath reagent shelf.

Valve Body: Angle pattern forged brass with polished chrome plated finish.

Valve Unit: Self contained compression valve unit with replaceable stainless steel seat.

Handle: Forged brass four arm handle with color coded index disc.

Inlet: Furnished with 3/8" IPS mounting shank (assembled), locknut and washer. 3/8" NPT male inlet.

Outlet: 3/8" NPT female outlet with removable ten serration hose end.

Quality Assurance: Fixture is fully assembled and factory tested prior to shipment.

ADDITIONAL MODEL

L3100-132SWSA Same as above except with two valves at 180 degrees.

L3100-131WSA Laboratory Water Valve Overhead Mounted



Mounting: For installation on vertical surfaces (such as drywall) where there is no access behind wall during installation. Wye fitting is threaded onto nipple stubbed out of wall. Threaded escutcheon is then backed up to wall to secure fixture and conceal pipe.

Valve Bodies: Angle pattern forged brass with polished chrome plated finish.

Valve Units: Self contained compression valve units with replaceable stainless steel seats.

Handles: Forged brass four arm handles with color coded index discs.

Inlet: 3/8" NPT female inlet.

Outlets: 3/8" NPT female outlets with removable ten serration hose ends.

Quality Assurance: Fixture is fully assembled and factory tested prior to shipment.

L3100-141FT Double Water Valve Assembly Wall Mounted



Mounting: For installation on vertical or horizontal surfaces (such as pipe chases and service carriers) where there is access behind surface during installation. Threaded mounting shank is inserted through hole in surface and secured with locknut and washer.

Valve Bodies: Angle pattern forged brass polished chrome plated finish.

Valve Units: Self contained compression valve units with replaceable stainless steel seats.

Handles: Forged brass four arm handles with color coded index discs.

Inlet: Furnished with 3/8" IPS mounting shank (assembled), locknut and washer. 3/8" NPT male inlet.

Outlets: 3/8" NPT female outlets with removable ten serration hose ends.

Quality Assurance: Fixture is fully assembled and factory tested prior to shipment.

L3100-141WSA Double Water Valve Assembly Panel/Overhead Carrier Mounted



L4800FT-325 Water Valve Assembly Wall Mounted



Mounting: For installation on vertical surfaces (such as drywall) where there is no access behind wall during installation. Valve is threaded onto nipple stubbed out of wall. Threaded escutcheon is then backed up to wall to secure valve and conceal pipe.

Valve Body: Straight pattern forged brass with polished chrome plated finish.

Valve Unit: Self contained compression valve unit with replaceable stainless steel seat.

Handle: Forged brass four arm handle with color coded index disc.

Inlet: 3/8" NPT female inlet.

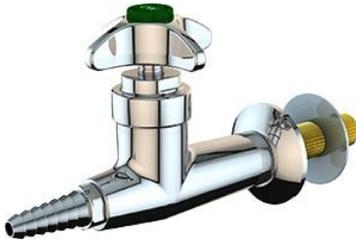
Outlet: 3/8" NPT female outlet with removable ten serration hose end.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment.

ADDITIONAL MODEL

L4800FT-110-325 Same as above except with L110 in line vacuum breaker.

L4800F-225WSA Water Valve Assembly Panel/Overhead Carrier Mounted



Mounting: For installation on vertical or horizontal surfaces (such as pipe chases and service carriers) where there is access behind surface during installation. Threaded mounting shank is inserted through hole in surface and secured with locknut and washer.

Valve Body: Straight pattern forged brass with polished chrome plated finish.

Valve Unit: Self contained compression valve unit with replaceable stainless steel seat.

Handle: Forged brass four arm handle with color coded index disc.

Inlet: 3/8" NPT male inlet.

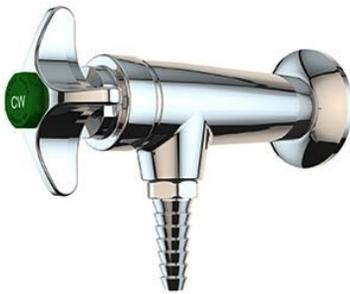
Outlet: 3/8" NPT female outlet with removable ten serration hose end.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment.

ADDITIONAL MODEL

L4800F-110-225WSA Same as above except with L110 in line vacuum breaker.

L5100FT-325 Water Valve Assembly Wall Mounted



Mounting: For installation on vertical surfaces (such as drywall) where there is no access behind wall during installation. Valve is threaded onto nipple stubbed out of wall. Threaded escutcheon is then backed up to wall to secure valve and conceal pipe.

Valve Body: Angle pattern forged brass with polished chrome plated finish.

Valve Unit: Self contained compression valve unit with replaceable stainless steel seat.

Handle: Forged brass four arm handle with color coded index disc.

Inlet: 3/8" NPT female inlet.

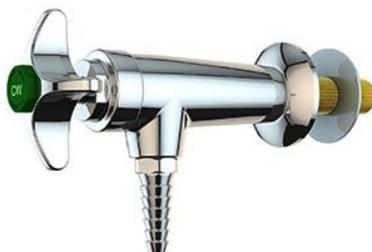
Outlet: 3/8" NPT female outlet with removable ten serration hose end.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment.

ADDITIONAL MODEL

L5100FT-110-325 Same as above except with L110 in line vacuum breaker.

L5100F-225WSA Water Valve Assembly Panel/Overhead Carrier Mounted



Mounting: For installation on vertical or horizontal surfaces (such as pipe chases and service carriers) where there is access behind surface during installation. Threaded mounting shank is inserted through hole in surface and secured with locknut and washer.

Valve Body: Angle pattern forged brass with polished chrome plated finish.

Valve Unit: Self contained compression valve unit with replaceable stainless steel seat.

Handle: Forged brass four arm handle with color coded index disc.

Inlet: 3/8" NPT male inlet.

Outlet: 3/8" NPT female outlet with removable ten serration hose end.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment.

ADDITIONAL MODEL

L5100F-110-225WSA Same as above except with L110 in line vacuum breaker.

HIGH FLOW WATER VALVES

Application: High flow water valve for use on process and chilled water systems. Valve is used for supply and return connections. Ball valve design provides high flow capacity and minimizes pressure drop through valve.

Valve Body: Forged brass with polished chrome plated finish.

Valve Unit: Full port ball valve construction with quarter turn open/close, chrome plated brass ball and molded TFE seals.

Handle: Forged brass lever handle with color coded index disc.

Inlet: 1/2" NPT male inlet.

Outlet: 1/2" NPT female outlet.

Quality Assurance: Valve is fully assembled and factory tested prior to shipment.

L4301FH High Flow Water Valve Straight Pattern



Application: High flow water valve for use on process and chilled water systems. Valve is used for supply and return connections. Ball valve design provides high capacity and minimizes pressure drop through valve.

Valve Body: Forged brass with polished chrome plated finish.

Valve Unit: Full port ball valve construction with quarter turn open/close, chrome plated brass ball and molded TFE seals.

Handle: Forged brass lever handle with color coded index disc.

Inlet: 1/2" NPT male inlet.

Outlet: 1/2" NPT female outlet with removable quick connect fitting.

Quality Assurance: Valve is fully assembled and factory tested prior to shipment.

L4303FH High Flow Water Valve Straight Pattern Quick Connect Outlet



Mounting: Deck mounted turret base with single outlet.

Valve Body: Forged brass with polished chrome plated finish.

Valve Unit: Full port ball valve construction with quarter turn open/close, chrome plated brass ball and molded TFE seals.

Handle: Forged brass lever handle with color coded index disc.

Inlet: Furnished with 1/2" IPS mounting shank (assembled), locknut and washer. 1/2" NPT male inlet.

Outlet: 1/2" NPT female outlet.

Quality Assurance: Fixture is fully assembled and factory tested prior to shipment.

ADDITIONAL MODELS

L4301FH-122SWSA Same as above except with two valves at 180 degrees.

L4301FH-121WSA High Flow Water Valve Assembly Deck Mounted



Mounting: Panel mounted flange with single outlet.

Valve Body: Forged brass with polished chrome plated finish.

Valve Unit: Full port ball valve construction with quarter turn open/close, chrome plated brass ball and molded TFE seals. **Handle:** Forged brass lever handle with color coded index disc.

Inlet: Furnished with 1/2" IPS mounting shank (assembled), locknut and washer. 1/2" NPT male inlet.

Outlet: 1/2" NPT female outlet.

Quality Assurance: Fixture is fully assembled and factory tested prior to shipment.

L4301FH-159WSA High Flow Water Valve Assembly Panel Mounted



LABORATORY SINGLE FAUCETS

L611 Single Faucet Deck Mounted



Application: Deck mounted faucet for cold water.

Body: Forged brass with polished chrome plated finish.

Valve Unit: Self contained compression valve unit with replaceable stainless steel seat.

Handle: Forged brass four arm handle with color coded index disc.

Gooseneck: 6" rigid gooseneck. Gooseneck is set in right hand configuration unless left hand or 180 degrees is specified.

Inlet: 3/8" NPT male inlet. Furnished complete with locknut and washer.

Outlet: 3/8" NPS female outlet with removable ten serration hose end.

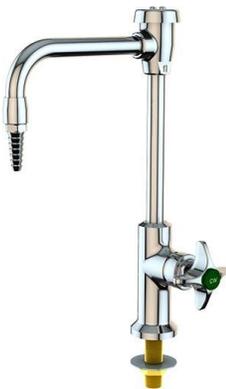
Quality Assurance: Faucet is fully assembled and factory tested prior to shipment.

ADDITIONAL MODELS

L612 Same as above except with swing gooseneck.

L614 Same as above except with convertible rigid/swing gooseneck.

L611VB Single Faucet Deck Mounted, Vacuum Breaker



Application: Deck mounted faucet with vacuum breaker for cold water.

Body: Forged brass with polished chrome plated finish.

Valve Unit: Self contained compression valve unit with replaceable stainless steel seat.

Handle: Forged brass four arm handle with color coded index disc.

Gooseneck: 6" rigid gooseneck. Gooseneck is set in right hand configuration unless left hand or 180 degrees is specified.

Vacuum Breaker: Integral vacuum breaker to prevent backflow. Vacuum breaker has replaceable seat and ultra light float cup to resist spilling at low flow.

Inlet: 3/8" NPT male inlet. Furnished complete with locknut and washer.

Outlet: 3/8" NPS female outlet with removable ten serration hose end.

Quality Assurance: Faucet is fully assembled and factory tested prior to shipment.

ADDITIONAL MODELS

L612VB Same as above except with swing gooseneck.

L614VB Same as above except with convertible rigid/swing gooseneck.

L2714VB-WS Single Faucet Panel Mounted, Vacuum Breaker



Application: Panel mounted faucet with vacuum breaker for cold water.

Body: Forged brass with polished chrome plated finish.

Valve Unit: Self contained compression valve unit with replaceable stainless steel seat.

Handle: Forged brass four arm handle with color coded index disc.

Gooseneck: 6" rigid/swing gooseneck.

Vacuum Breaker: Integral vacuum breaker to prevent backflow. Vacuum breaker has replaceable seat and ultra light float cup to resist spilling at low flow.

Inlet: 1/2" NPT female inlet. Furnished complete with mounting shank, locknut and washer. Use suffix "WSA" if mounting shank is assembled.

Outlet: 3/8" NPS female outlet with removable ten serration hose end.

Quality Assurance: Faucet is fully assembled and factory tested prior to shipment.

ADDITIONAL MODELS

L2714L-VB-WS Same as above except with handle on left side.

L2714WS Panel mounted single faucet, without vacuum breaker.

L2714L-WS Panel mounted single faucet, without vacuum breaker, handle on left hand side.

OPTIONS FOR SINGLE FAUCETS

Valve Unit. Compression valve unit with adjustable volume control (add prefix "LA") or ceramic disc valve unit (add prefix "LC").

Handle. 4" wrist blade handle in place of four arm handle (add suffix "BH").

Gooseneck. 8" spread gooseneck in place of 6" (add suffix "8"). For other gooseneck spreads and heights

Outlet. B0055 aerator in place of serrated hose end (add suffix "55"). B0127 aspirator in place of serrated hose end (add suffix "127").

LABORATORY MIXING FAUCETS

Application: Deck mounted faucet for hot and cold water.

Body: Forged brass with polished chrome plated finish.

Valve Units: Self contained compression valve units with replaceable stainless steel seats.

Handles: Forged brass four arm handles with color coded index discs.

Gooseneck: 6" swing gooseneck.

Inlet: 1-3/16" male shank with (2) 3/8" OD flexible copper tubes. Furnished complete with locknut and washer.

Outlet: 3/8" NPS female outlet with removable ten serration hose end.

Quality Assurance: Faucet is fully assembled and factory tested prior to shipment.

ADDITIONAL MODELS

L411 Same as above except with rigid gooseneck.

L414 Same as above except with convertible rigid/swing gooseneck.

L412
Mixing Faucet
Deck Mounted



Application: Deck mounted mixing faucet with vacuum breaker for hot and cold water.

Body: Forged brass with polished chrome plated finish.

Valve Units: Self contained compression valve units with replaceable stainless steel seats.

Handles: Forged brass four arm handles with color coded index discs.

Gooseneck: 6" swing gooseneck.

Vacuum Breaker: Integral vacuum breaker to prevent backflow. Vacuum breaker has replaceable seat and ultra light float cup to resist spilling at low flow.

Inlet: 1-3/16" male shank with (2) 3/8" OD flexible copper tubes. Furnished complete with locknut and washer.

Outlet: 3/8" NPS female outlet with removable ten serration hose end.

Quality Assurance: Faucet is fully assembled and factory tested prior to shipment.

ADDITIONAL MODELS

L411VB Same as above except with rigid gooseneck.

L414VB Same as above except with convertible rigid/swing gooseneck.

L412VB
Mixing Faucet
Deck Mounted, Vacuum Breaker



Application: Deck mounted faucet for hot and cold water.

Body: Forged brass with polished chrome plated finish.

Valve Units: Self contained compression valve units with replaceable stainless steel seats.

Handles: Forged brass four arm handles with color coded index discs.

Spout: 9" swing spout.

Inlet: 1-3/16" male shank with (2) 3/8" OD flexible copper tubes. Furnished complete with locknut and washer.

Outlet: 3/8" NPS female outlet with removable aerator.

Quality Assurance: Faucet is fully assembled and factory tested prior to shipment.

ADDITIONAL MODEL

L410VB Same as above except with vacuum breaker.

L410
Mixing Faucet
Deck Mounted, Swing Spout



OPTIONS FOR MIXING FAUCETS

Valve Unit. Compression valve unit with adjustable volume control (add prefix "LA") or ceramic disc valve unit (add prefix "LC").

Handle. 4" wrist blade handle in place of four arm handle (add suffix "BH").

Gooseneck. 8" spread gooseneck in place of 6" (add suffix "8"). For other gooseneck spreads and heights

Outlet. B0055 aerator in place of serrated hose end (add suffix "55"). B0127 aspirator in place of serrated hose end (add suffix "127").

LABORATORY MIXING FAUCETS

L2212 Mixing Faucet Deck Mounted



Application: Deck mounted faucet on 8" centers for hot and cold water.

Body: Brass bar stock with polished chrome plated finish.

Valve Units: Self contained compression valve units with replaceable stainless steel seats.

Handles: Forged brass four arm handles with color coded index discs.

Gooseneck: 6" swing gooseneck.

Inlets: (2) 1-3/8" male shanks with 3/8" OD flexible copper tube inlets. Center fitting has 3/8" NPT male inlet. Furnished complete with (2) flexible PVC hoses, center tee fitting, locknuts and washers.

Outlet: 3/8" NPS female outlet with removable ten serration hose end.

Quality Assurance: Faucet is assembled and factory tested prior to shipment.

ADDITIONAL MODELS

L2211 Same as above except with rigid gooseneck.

L2214 Same as above except with convertible rigid/swing gooseneck.

Note: If faucet is to be used with pedal valve, add suffix "TWI"

L2212VB Mixing Faucet Deck Mounted, Vacuum Breaker



Application: Deck mounted faucet with vacuum breaker on 8" centers for hot and cold water.

Body: Brass bar stock with polished chrome plated finish.

Valve Units: Self contained compression valve units with replaceable stainless steel seats.

Handles: Forged brass four arm handles with color coded index discs.

Gooseneck: 6" swing gooseneck.

Vacuum Breaker: Integral vacuum breaker to prevent backflow. Vacuum breaker has replaceable seat and ultra light float cup to resist spilling at low flow.

Inlets: (2) 1-3/8" male shanks with 3/8" OD flexible copper tube inlets. Center fitting has 3/8" NPT male inlet. Furnished complete with (2) flexible PVC hoses, center tee fitting, locknuts and washers.

Outlet: 3/8" NPS female outlet with removable ten serration hose end.

Quality Assurance: Faucet is assembled and factory tested prior to shipment.

ADDITIONAL MODELS

L2211VB Same as above except with rigid gooseneck.

L2214VB Same as above except with rigid/swing gooseneck.

Note: If faucet is to be used with pedal valve, add suffix "TWI"

L2210BH Mixing Faucet Deck Mounted, Swing Spout



Application: Deck mounted faucet on 8" centers for hot and cold water.

Body: Brass bar stock with polished chrome plated finish.

Valve Units: Self contained compression valve units with replaceable stainless steel seats.

Handles: 4" forged brass wrist blade handles with color coded index discs.

Spout: 9" swing spout.

Inlets: (2) 1 3/8" male shanks with 3/8" OD flexible copper tube inlets. Center fitting has 3/8" NPT male inlet. Furnished complete with (2) flexible PVC hoses, center tee fitting, locknuts and washers.

Outlet: 3/8" NPS female outlet with removable aerator.

Quality Assurance: Faucet is assembled and factory tested prior to shipment.

ADDITIONAL MODELS

L2210 Same as above except with four arm handles.

OPTIONS FOR MIXING FAUCETS

Valve Unit. Compression valve unit with adjustable volume control (add prefix "LA") or ceramic disc valve unit (add prefix "LC").

Handle. 4" wrist blade handle in place of four arm handle (add suffix "BH").

Gooseneck. 8" spread gooseneck in place of 6" (add suffix "8"). For other gooseneck spreads and heights

Outlet. B0055 aerator in place of serrated hose end (add suffix "55"). B0127 aspirator in place of serrated hose end (add suffix "127").

LABORATORY MIXING FAUCETS

Application: Deck mounted faucet on 8" centers for hot and cold water.

Body: Brass bar stock with polished chrome plated finish.

Valve Units: Self contained compression valve units with replaceable stainless steel seats.

Handles: 4" forged brass wrist blade handles with color coded index discs

Gooseneck: 6" swing gooseneck.

Inlets: (2) 1-3/8" male shanks with 3/8" OD flexible copper tube inlets. Center fitting has 3/8" NPT male inlet. Furnished complete with (2) flexible PVC hoses, center tee fitting, locknuts and washers.

Outlet: 3/8" NPS female outlet with removable aerator.

Quality Assurance: Faucet is assembled and factory tested prior to shipment.

Additional Models

L2221 Same as above except with rigid gooseneck

L2224 Same as above except with rigid/swing gooseneck

L2222 Mixing Faucet Deck Mounted



Application: Deck mounted faucet on 8" centers for hot and cold water.

Body: Brass bar stock with polished chrome plated finish.

Valve Units: Self contained compression valve units with replaceable stainless steel seats.

Handles: 4" forged brass wrist blade handles with color coded index discs

Gooseneck: 6" swing gooseneck.

Vacuum Breaker: Integral vacuum breaker to prevent backflow. Vacuum breaker has replaceable seat and ultra light float cup to resist spilling at low flow.

Inlets: (2) 1-3/8" male shanks with 3/8" OD flexible copper tube inlets. Center fitting has 3/8" NPT male inlet. Furnished complete with (2) flexible PVC hoses, center tee fitting, locknuts and washers.

Outlet: 3/8" NPS female outlet with removable aerator.

Quality Assurance: Faucet is assembled and factory tested prior to shipment.

Additional Models

L2221VB Same as above except with rigid gooseneck

L2224VB Same as above except with rigid/swing gooseneck

L2222VB Mixing Faucet Deck Mounted, Vacuum Breaker



Application: Deck mounted mixing faucet with floor mounted mixing pedal valve. Faucet may be actuated by either faucet handles or foot pedals.

Body: Brass bar stock with polished chrome plated finish.

Valve Units: Self contained compression valve units with replaceable stainless steel seats.

Handles: 4" forged brass wrist blade handles with color coded index discs

Gooseneck: 6" swing gooseneck.

Inlets: (2) 1-3/8" male shanks with 3/8" OD flexible copper tube inlets. Center fitting has 3/8" NPT male inlet. Furnished complete with (2) flexible PVC hoses, center tee fitting, locknuts and washers.

Outlet: 3/8" NPS female outlet with removable aerator.

Pedal Valve: Floor mounted foot operated mixing valve. Furnished with self closing valve units, forged brass foot pedals and 1/2" NPT female inlets and outlet.

Quality Assurance: Faucet is assembled and factory tested prior to shipment.

Additional Models

L2221TWI-3001 Same as above except with rigid gooseneck

L2224TWI-3001 Same as above except with rigid/swing gooseneck

L2222TWI-3001 Mixing Faucet Deck Mounted, With Hand/Foot Control



OPTIONS FOR MIXING FAUCETS

Valve Unit. Compression valve unit with adjustable volume control (add prefix "LA") or ceramic disc valve unit (add prefix "LC").

Handle. 4" wrist blade handle in place of four arm handle (add suffix "BH").

Gooseneck. 8" spread gooseneck in place of 6" (add suffix "8"). For other gooseneck spreads and heights

Outlet. B0055 aerator in place of serrated hose end (add suffix "55"). B0127 aspirator in place of serrated hose end (add suffix "127").

LABORATORY MIXING FAUCETS

L212WS Mixing Faucet Panel Mounted



Application: Panel mounted faucet for hot and cold water with vertical inlets, inlets are on 3" centers, cold water on bottom

Body: Brass bar stock with polished chrome plated finish.

Valve Units: Self contained compression valve units with replaceable stainless steel seats.

Handles: Forged brass four arm handles with color coded index discs.

Gooseneck: 6" swing gooseneck.

Inlets: 3/8" NPT female union inlets. Furnished complete with mounting shanks, locknuts and washers. If mounting shanks are to be assembled, use suffix "WSA".

Outlet: 3/8" NPS female outlet with removable ten serration hose end.

Quality Assurance: Faucet is assembled and factory tested prior to shipment.

Additional Models

L211WS Same as above except with rigid gooseneck

L214WS Same as above except with rigid/ swing gooseneck

L512WS Mixing Faucet Panel Mounted



Application: Panel mounted faucet for hot and cold water with horizontal inlets on 8" centers

Body: Brass bar stock with polished chrome plated finish.

Valve Units: Self contained compression valve units with replaceable stainless steel seats.

Handles: Forged brass four arm handles with color coded index discs.

Gooseneck: 6" swing gooseneck.

Inlets: 3/8" NPT female union inlets. Furnished complete with mounting shanks, locknuts and washers. If mounting shanks are to be assembled, use suffix "WSA".

Outlet: 3/8" NPS female outlet with removable ten serration hose end.

Quality Assurance: Faucet is assembled and factory tested prior to shipment.

Additional Models

L511WS Same as above except with rigid gooseneck

L514WS Same as above except with rigid/ swing gooseneck

L1712WS Mixing Faucet Panel Mounted



Application: Panel mounted faucet for hot and cold water with horizontal inlets on 6" centers

Body: Brass bar stock with polished chrome plated finish.

Valve Units: Self contained compression valve units with replaceable stainless steel seats.

Handles: Forged brass four arm handles with color coded index discs.

Gooseneck: 6" swing gooseneck.

Inlets: 3/8" NPT female union inlets. Furnished complete with mounting shanks, locknuts and washers. If mounting shanks are to be assembled, use suffix "WSA".

Outlet: 3/8" NPS female outlet with removable ten serration hose end.

Quality Assurance: Faucet is assembled and factory tested prior to shipment.

Additional Models

L1711WS Same as above except with rigid gooseneck

L1714WS Same as above except with rigid/ swing gooseneck

OPTIONS FOR MIXING FAUCETS

Valve Unit. Compression valve unit with adjustable volume control (add prefix "LA") or ceramic disc valve unit (add prefix "LC").

Handle. 4" wrist blade handle in place of four arm handle (add suffix "BH").

Gooseneck. 8" spread gooseneck in place of 6" (add suffix "8"). For other gooseneck spreads and heights

Outlet. B0055 aerator in place of serrated hose end (add suffix "55"). B0127 aspirator in place of serrated hose end (add suffix "127").

MULTIPLE SERVICE FIXTURES

Application: Deck mounted fixture for cold water and either gas, air or vacuum.

Base: Forged brass with polished chrome plated finish.

Valve Unit: Self contained compression valve unit with replaceable stainless steel seat.

Handle: Forged brass four arm handle with color coded index disc.

Gooseneck: 6" rigid gooseneck with 3/8" NPS female outlet and removable ten serration hose end.

Ball Valves: (2) laboratory ball valves for gas, air or vacuum service (specify service when ordering). Valves are forged brass with lever handle and integral ten serration hose end.

Inlets: (2) 3/8" NPT male inlets. Furnished complete with locknuts and washers.

Quality Assurance: Fixture is fully assembled and factory tested prior to shipment.

ADDITIONAL MODEL

L66VB-WSA Same as above except with vacuum breaker.

L66WSA
Double Service Fixture



Application: Deck mounted fixture for cold water and gas, air or vacuum. Fixture has three inlets, so valves may be used for different services.

Base: Forged brass with polished chrome plated finish.

Valve Unit: Self contained compression valve unit with replaceable stainless steel seat.

Handle: Forged brass four arm handle with color coded index disc.

Gooseneck: 6" rigid gooseneck with 3/8" IPS female outlet and removable ten serration hose end.

Ball Valves: (2) laboratory ball valves for gas, air or vacuum service (specify service when ordering). Valves may be used for different services. Valves are forged brass with lever handle and integral ten serration hose end.

Inlets: (3) 3/8" NPT male inlets. Furnished complete with locknuts and washers.

Quality Assurance: Fixture is fully assembled and factory tested prior to shipment.

ADDITIONAL MODEL

L68VB-WSA Same as above except with vacuum breaker.

L68WSA
Triple Service Fixture



Application: Deck mounted fixture for cold water and gas, air or vacuum. Fixture has three inlets, so valves may be used for different services.

Base: Forged brass with polished chrome plated finish.

Valve Unit: Self contained compression valve unit with replaceable stainless steel seat.

Handle: Forged brass four arm handle with color coded index disc.

Gooseneck: 6" rigid gooseneck with 3/8" IPS female outlet and removable ten serration hose end.

Inlets: (2) 3/8" NPT male inlets. Furnished complete with locknuts and washers.

Quality Assurance: Fixture is fully assembled and factory tested prior to shipment.

ADDITIONAL MODEL

L5300-110WSA Same as above except with L110 in line vacuum breaker.

Note: The L5300WSA and L5300-110WSA are available with fully vandal resistant construction.

L5300WSA
Double Service Fixture
Heavy Duty



OPTIONS FOR MULTIPLE SERVICE FIXTURES

Valve Unit. Compression valve unit with adjustable volume control (add prefix "LA") or ceramic disc valve unit (add prefix "LC").

Handle. 4" wrist blade handle in place of four arm handle (add suffix "BH").

Gooseneck. 8" spread gooseneck in place of 6" (add suffix "8"). For other gooseneck spreads and heights

Outlet. B0055 aerator in place of serrated hose end (add suffix "55"). B0127 aspirator in place of serrated hose end (add suffix "127").

FOOT OPERATED FAUCETS

L3001 Foot Operated Mixing Valve Floor Mounted



Application: Floor mounted foot operated valve for hot and cold water.

Body: Forged brass with polished chrome plated finish.

Valve Units: Self closing renewable units with stainless steel valve stems.

Pedals: Forged brass pedals mounted on hinged bracket.

Inlets: (2) 1/2" NPT female inlets.

Outlet: 1/2" NPT female outlet.

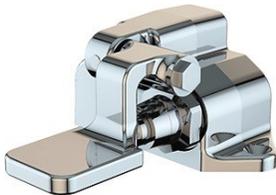
Quality Assurance: Valve is fully assembled and factory tested prior to shipment.

ADDITIONAL MODEL

L3001RCP Same as above except with rough chrome plated finish.

Note: A foot operated valve can be combined with a deck mounted mixing faucet to create a faucet with both hand and foot controls.

L3050 Foot Operated Single Valve Floor Mounted



Application: Floor mounted foot operated valve for cold, hot or tepid water.

Body: Forged brass with polished chrome plated finish.

Valve Unit: Self closing renewable unit with stainless steel valve stem.

Pedal: Forged brass pedal mounted on hinged bracket.

Inlet: 1/2" NPT female inlet (back).

Outlet: 1/2" NPT female outlet (top).

Quality Assurance: Valve is fully assembled and factory tested prior to shipment.

ADDITIONAL MODELS

L3050RCP Same as above except with rough chrome plated finish.

L3050TL Same as above except tin lined for use with pure water.

L071WSA Gooseneck Panel Mounted



Application: Panel mounted gooseneck for use with foot operated valve.

Base: Forged brass with polished chrome plated finish.

Gooseneck: 6" rigid gooseneck with 3/8" NPS female outlet and removable ten serration hose end.

Inlet: 3/8" NPT male inlet. Furnished complete with locknut and washer.

Quality Assurance: Fixture is fully assembled and factory tested prior to shipment.

ADDITIONAL MODELS

L072WSA Same as above except with swing gooseneck.

L074WSA Same as above except with convertible rigid/swing gooseneck.

Note: If vacuum breaker is required, add suffix "VB". If tin lining for use with pure water is required, add suffix "TL"

L081WSA Gooseneck Deck Mounted



Application: Deck mounted gooseneck for use with foot operated valve.

Base: Forged brass with polished chrome plated finish.

Gooseneck: 6" rigid gooseneck with 3/8" NPS female outlet and removable ten serration hose end.

Inlet: 3/8" NPT male inlet. Furnished complete with locknut and washer.

Quality Assurance: Fixture is fully assembled and factory tested prior to shipment.

ADDITIONAL MODELS

L082WSA Same as above except with swing gooseneck.

L084WSA Same as above except with convertible rigid/swing gooseneck.

Note: If vacuum breaker is required, add suffix "VB". If tin lining for use with pure water is required, add suffix "TL"

OPTIONS FOR FOOT OPERATED FAUCETS

Gooseneck. 8" spread gooseneck in place of 6" (add suffix "8"). For other gooseneck spreads and heights

Outlet. B0055 aerator in place of serrated hose end (add suffix "55"). B0127 aspirator in place of serrated hose end (add suffix "127").

PRE RINSE UNITS

Application: Deck mounted pre rinse unit for hot and cold water.

Body: Forged brass with polished chrome plated finish.

Valve Units: Self contained compression valve units with replaceable stainless steel seats and integral check valves. Check valves prevent cross mixing of hot and cold water.

Handles: Forged brass four arm handles with color coded index discs.

Pre Rinse Assembly: Self closing squeeze valve with rubber bound spray head, insulated handle and locking ring. Valve is mounted on spring loaded 39" stainless steel hose.

Inlet: 1-3/16" male shank with (2) 3/8" OD flexible copper tubes. Furnished complete with locknut and washer.

Quality Assurance: Pre rinse unit is fully assembled and factory tested prior to shipment.

ADDITIONAL MODEL

PR611 Same as above except for cold water only.

PR411
Pre Rinse Unit, Deck Mounted



Application: Panel mounted pre rinse unit for hot and cold water.

Body: Cast brass with polished chrome plated finish.

Valve Units: Self contained compression valve units with replaceable stainless steel seats and integral check valves. Check valves prevent cross mixing of hot and cold water.

Handles: Forged brass four arm handles with color coded index discs.

Pre Rinse Assembly: Self closing squeeze valve with rubber bound spray head, insulated handle and locking ring. Valve is mounted on spring loaded 39" stainless steel hose.

Inlet: 3/8" NPT female union inlets. Furnished complete with mounting shanks, locknuts and washers. If mounting shanks are to be assembled, use suffix "WSA".

Quality Assurance: Pre rinse unit is fully assembled and factory tested prior to shipment.

PR1711WS
Pre Rinse Unit, Panel Mounted



Application: Deck mounted pre rinse spray unit. Unit may be connected directly to cold or tempered water supply or used with a foot operated valve.

Spray Head: Chrome plated brass spray type outlet head with rubber collar.

Valve: Chrome plated forged brass self closing squeeze valve with insulated handle.

Hose: 8 ft. reinforced PVC hose. 300 PSI maximum rated working pressure.

Mounting: Nylon deck flange for countertop mounting.

Inlet: 3/8" NPT male swivel type inlet.

Quality Assurance: Pre rinse unit is fully assembled and factory tested prior to shipment.

ADDITIONAL MODEL

PR1020FSH Same as above except with 8 ft. stainless steel hose.

PR1020
Pre Rinse Unit, Deck Mounted



OPTIONS FOR PRE RINSE UNITS

Vacuum Breaker: L110 in line vacuum breaker installed between squeeze valve and spray head (add suffix, "110")

Handles: 4" wrist blade handles in place of four arm handles (add suffix "BH")

PURE WATER FAUCETS (TIN LINED BRASS)

L681

Pure Water Faucet, Tin Lined Brass Deck Mounted



Application: Deck mounted faucet for distilled, deionized or reverse osmosis water. All components in contact with water have pure tin coating. Body and gooseneck are dipped in liquid tin to coat all interior surfaces.

Body: Forged brass with polished chrome plated finish.

Valve Unit: Self contained renewable unit with replaceable stainless steel seat. Valve has self closing control.

Handle: White nylon four arm handle with color coded index disc.

Gooseneck: 6" rigid gooseneck. Gooseneck is set in right hand configuration unless left hand or 180 degrees is specified.

Inlet: 3/8" IPS male shank with 1/4" NPT male tailpiece. Furnished complete with locknut and washer.

Outlet: 3/8" NPS female outlet with removable ten serration hose end.

Quality Assurance: Faucet is fully assembled and factory tested prior to shipment.

ADDITIONAL MODELS

L682 Same as above except with swing gooseneck.

L684 Same as above except with convertible rigid/swing gooseneck.

Note: If faucet with manual on/off (compression) control is desired, order L691, L692 or L694.

L2784WS

Pure Water Faucet, Tin Lined Brass Panel Mounted



Application: Panel mounted faucet for distilled, deionized or reverse osmosis water. All components in contact with water have pure tin coating. Body and gooseneck are dipped in liquid tin to coat all interior surfaces.

Body: Forged brass with polished chrome plated finish.

Valve Unit: Self contained renewable unit with replaceable stainless steel seat. Valve has self closing control.

Handle: White nylon four arm handle with color coded index disc.

Gooseneck: 6" rigid/swing gooseneck.

Inlet: 1/2" NPT female inlet. Furnished complete with mounting shank, locknut and washer. If mounting shank is to be assembled, use suffix "WSA".

Outlet: 3/8" NPS female outlet with removable ten serration hose end.

Quality Assurance: Faucet is fully assembled and factory tested prior to shipment.

ADDITIONAL MODEL

L2784L-WS Same as above except with handle on left side.

Note: If faucet with manual on/off (compression) control is desired, order L2794WS or L2794L-WS.

L2800-131WSA-TL

Pure Water Faucet, Tin Lined Brass Deck Mounted



Application: Deck mounted valve for distilled, deionized or reverse osmosis water. All components in contact with water have pure tin coating.

Mounting: Deck mounted turret base with single outlet. Furnished with 3/8" IPS mounting shank (assembled), locknut and washer.

Valve Body: Straight pattern forged brass with polished chrome plated finish.

Valve Unit: Self contained compression valve unit with replaceable stainless steel seat.

Handle: Forged brass four arm handle with color coded index disc.

Inlet: 3/8" NPT male inlet.

Outlet: 3/8" NPT female outlet with removable ten serration hose end.

Quality Assurance: Fixture is fully assembled and factory tested prior to shipment.

ADDITIONAL MODEL

L2800-132SWSA-TL Same as above except with two valves at 180 degrees.

OPTIONS FOR TIN LINED PURE WATER FIXTURES

Valve Unit. Compression valve unit with adjustable volume control (add prefix "LA") or ceramic disc valve unit (add prefix "LC").

Handle. 4" wrist blade handle in place of four arm handle (add suffix "BH").

Gooseneck. 8" spread gooseneck in place of 6" (add suffix "8"). For other gooseneck spreads and heights

Vacuum Breaker. Gooseneck with integral vacuum breaker (add suffix "VB")

PURE WATER FAUCETS (PLASTIC LINED)

Application: Deck mounted faucet for distilled, deionized or reverse osmosis water. Faucet has exterior brass casing and interior lining of inert polypropylene. Pure water comes in contact only with inert plastic.

Valve Body: Forged brass with polished chrome plated finish.

Valve Unit: Diaphragm type valve. Brass valve stem and bonnet with inert elastomer diaphragm. Valve has manual on/off control.

Handle: Black nylon knurled handle with color coded index disc.

Riser: 6" rigid brass riser.

Inlet: 3/8" IPS male shank with 3/8" OD tube connection. Furnished with 3/8" OD compression adaptor for inlet.

Outlet: Seven serration plastic hose end.

Quality Assurance: Faucet is fully assembled and factory tested prior to shipment.

ADDITIONAL MODEL

L7833SC Same as above except with toggle style handle and self closing control.

L7833
Pure Water Faucet, Polypropylene Lined
Deck Mounted



Application: Panel mounted faucet for distilled, deionized or reverse osmosis water. Faucet has exterior brass casing and interior lining of inert polypropylene. Pure water comes in contact only with inert plastic.

Valve Body: Forged brass with polished chrome plated finish.

Valve Unit: Diaphragm type valve. Brass valve stem and bonnet with inert elastomer diaphragm. Valve has manual on/off control.

Handle: Black nylon knurled handle with color coded index disc.

Riser: 6" rigid brass riser.

Inlet: 3/8" IPS male shank with 3/8" OD tube connection. Furnished with 3/8" OD compression adaptor for inlet.

Outlet: Seven serration plastic hose end.

Quality Assurance: Faucet is fully assembled and factory tested prior to shipment.

L7834
Pure Water Faucet, Polypropylene Lined
Panel Mounted



Application: Deck mounted faucet for distilled, deionized or reverse osmosis water. Faucet is fully recirculating to eliminate all "dead legs" in pure water system.

Valve Body: Forged brass with polished chrome plated finish.

Valve Unit: Diaphragm type valve. Brass valve stem and bonnet with inert elastomer diaphragm. Valve has manual on/off control.

Handle: Black nylon knurled handle with color coded index disc.

Riser: 6" rigid brass riser.

Inlet: 7/8" OD male shank with 3/8" OD tube connections on supply and return. Furnished with 3/8" OD compression adaptors.

Outlet: Seven serration plastic hose end.

Quality Assurance: Faucet is fully assembled and factory tested prior to shipment.

L7837
Recirculating Pure Water Faucet,
Polypropylene Lined Deck Mounted



OPTIONS FOR PLASTIC LINED PURE WATER FAUCETS

PVDF. Interior lining of polyvinylidene fluoride (PVDF) in place of polypropylene (add suffix "PVDF").

Gooseneck. 8" spread gooseneck in place of 6" (add suffix "8"). For other gooseneck spreads and heights

Vacuum Breaker: In line polypropylene or PVDF vacuum breaker installed between valve and serrated hose end (add suffix "7110")

Outlet. 1/4" male NPT threaded outlet in place of hose end (add suffix "1/4")

PRESSURE REGULATOR FIXTURES

L2873-771WSA Pressure Regulator Fixture Deck Mounted



Application: Point of use regulation of high purity gases. Used for compressed air and inert high purity gases, including nitrogen, helium, argon and oxygen.

Mounting: Special tall turret with 3/8" IPS male heavy duty shank (assembled), locknut and washer. Pressure regulator mounts on side of turret to conserve counter space.

Regulator: Non relieving type with brass body and neoprene diaphragm.

Inlet Pressure Range: 5-300 PSI.

Outlet Pressure Range: 5-125 PSI.

Valve: Fine control needle valve for precise flow control. Valve has forged brass body, floating tapered stainless steel needle and replaceable stainless steel seat.

Inlet: 3/8" NPT male inlet.

Outlet: Removable quick connect fitting with 1/4" NPT male plug.

Cleaning: Fixture is specially cleaned, lubricated, assembled and packaged for use with high purity gases, including oxygen.

Quality Assurance: Fixture is fully assembled and factory tested prior to shipment.

ADDITIONAL MODEL

L2873-771-2SWSA Same as above except with two regulators and valves at 180 degrees.

L3173-336-158WSA Pressure Regulator Fixture Panel Mounted



Application: Point of use regulation of high purity gases. Used for compressed air and inert high purity gases, including nitrogen, helium, argon and oxygen.

Mounting: Panel mounted flange with 3/8" IPS male heavy duty shank (assembled), locknut and washer.

Regulator: Non relieving type with brass body and neoprene diaphragm.

Inlet Pressure Range: 5-300 PSI.

Outlet Pressure Range: 5-125 PSI.

Valve: Fine control needle valve for precise flow control. Valve has forged brass body, floating tapered stainless steel needle and replaceable stainless steel seat.

Inlet: 3/8" NPT male inlet

Outlet: Removable quick connect fitting with 1/4" NPT male plug.

Cleaning: Fixture is specially cleaned, lubricated, assembled and packaged for use with high purity gases, including oxygen.

Quality Assurance: Fixture is fully assembled and factory tested prior to shipment.

ADDITIONAL MODEL

L3173-366-141WSA Same as above except two regulators and valves in panel mounted wye fitting.

L3173-771WSA Pressure Regulator Fixture Overhead Mounted



Application: Point of use regulation of high purity gases. Used for compressed air and inert high purity gases, including nitrogen, helium, argon and oxygen.

Mounting: Overhead mounted tall turret base with 3/8" IPS male stainless steel shank (assembled), locknut and washer.

Regulator: Non relieving type with brass body and neoprene diaphragm.

Inlet Pressure Range: 5-300 PSI.

Outlet Pressure Range: 5-125 PSI.

Valve: Fine control needle valve for precise flow control. Valve has forged brass body, floating tapered stainless steel needle and replaceable stainless steel seat.

Inlet: 3/8" NPT male inlet.

Outlet: Removable quick connect fitting with 1/4" NPT male plug.

Cleaning: Fixture is specially cleaned, lubricated, assembled and packaged for use with high purity gases, including oxygen.

Quality Assurance: Fixture is fully assembled and factory tested prior to shipment.

ADDITIONAL MODEL

L3173-771-2SWSA Same as above except with two regulators and valves at 180 degrees.

OPTIONS FOR PRESSURE REGULATOR FIXTURES

Outlet: 1/4" OD compression fitting on outlet in place of quick connect (specify L2874 or L3174 valve)

PRESSURE REGULATOR FIXTURES

Application: Point of use regulation of high purity gases for installation on fume hoods. Used for compressed air and inert high purity gases, including nitrogen, helium, argon and oxygen.

Mounting: Pressure regulator/gauge assembly is surface mounted on front face of fume hood. Regulator assembly, valve and outlet fitting are piped together behind face of hood (pipe and fittings are not supplied).

Regulator: Non relieving type with brass body and neoprene diaphragm. Regulator assembly is furnished with 1/4" IPS mounting shanks, locknuts and washers.

Inlet Pressure Range: 5-300 PSI.

Outlet Pressure Range: 5-125 PSI.

Valve: Panel mounted fine control needle valve for precise flow control. Valve has forged brass body, floating tapered stainless steel needle and replaceable stainless steel seat. Valve has 3/8" NPT female inlet and outlet.

Outlet Fitting: Outlet fitting for installation inside hood has removable quick connect with 1/4" NPT male plug.

Cleaning: Fixture is specially cleaned, lubricated, assembled and packaged for use with high purity gases, including oxygen.

Quality Assurance: Regulator assembly, valve and outlet are fully assembled and factory tested prior to shipment.

ADDITIONAL MODEL

L740FCN-774VR-MR Same as above except with 1/4" OD compression fitting outlet inside fume hood.

Note: For regulator assembly with pressure gauge on left hand side, order "774VR". This fixture may also be used with the L739FCN fine control valve for angle front fume hoods.

L740FCN-774VR-QR Pressure Regulator Fixture Fume Hood Mounted



Application: Point of use regulation of high purity gases for installation on fume hoods. Used for compressed air and inert high purity gases, including nitrogen, helium, argon and oxygen.

Mounting: Pressure regulator, gauge and valve are recess mounted on front face of fume hood. Regulator, gauge and valve are furnished complete with all tube and fittings required to install in hood.

Regulator: Panel mounted non relieving type with brass body and neoprene diaphragm.

Inlet Pressure Range: 5-300 PSI.

Outlet Pressure Range: 5-125 PSI.

Valve: Panel mounted fine control needle valve for precise flow control. Valve has forged brass body, floating tapered stainless steel needle and replaceable stainless steel seat. Valve has 3/8" NPT female outlet.

Outlet Fitting: Outlet fitting for installation inside hood has removable quick connect with 1/4" NPT male plug.

Cleaning: Fixture is specially cleaned, lubricated, assembled and packaged for use with high purity gases, including oxygen.

Quality Assurance: Pressure regulator, gauge and valve are fully assembled and factory tested prior to shipment. Outlet fitting is furnished separately.

ADDITIONAL MODEL

L740FCN-784-MR Same as above except with 1/4" OD compression fitting outlet inside fume hood.

Note: This fixture may also be used with the L739FCN fine control valve for angle front fume hoods.

L740FCN-784-QR Pressure Regulator Fixture Fume Hood Mounted



L2870

Fine Control Needle Valve Straight Pattern



Application: Precise flow regulation of laboratory gases. Ideal for special gases such as nitrogen, oxygen, helium and hydrogen. Valve is specially cleaned, lubricated and packaged for use with high purity gases.

Valve Body: Straight pattern forged brass with polished chrome plated finish.

Valve Unit: Floating tapered stainless steel needle and replaceable stainless steel seat. Valve goes from closed to open in 6 revolutions of handle, providing precise flow regulation.

Handle: Forged brass four arm handle with color coded index disc.

Inlet: 3/8" NPT male inlet.

Outlet: 3/8" NPT female outlet with removable ten serration hose end.

Quality Assurance: Valve is fully assembled and factory tested prior to shipment.

ADDITIONAL MODELS

L2872 Fine control needle valve with angle serrated hose end.

L2873 Fine control needle valve with quick connect fitting.

L2874 Fine control needle valve with 1/4" OD compression fitting.

L2870-131WSA

Fine Control Needle Valve Deck Mounted



Mounting: Deck mounted turret base with single outlet.

Valve Body: Straight pattern forged brass with polished chrome plated finish.

Valve Unit: Floating tapered stainless steel needle and replaceable stainless steel seat. Valve goes from closed to open in 6 revolutions of handle, providing precise flow regulation.

Handle: Forged brass four arm handle with color coded index disc.

Inlet: Furnished with 3/8" IPS mounting shank (assembled), locknut and washer. 3/8" NPT male inlet.

Outlet: 3/8" NPT female outlet with removable ten serration hose end.

Cleaning: Fixture is specially cleaned, lubricated, assembled and packaged for use with high purity gases, including oxygen.

Quality Assurance: Fixture is fully assembled and factory tested prior to shipment.

ADDITIONAL MODELS

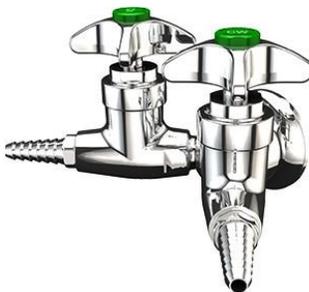
L2870-132AWSA Same as above except with two valves at 90 degrees.

L2870-132SWSA Same as above except with two valves at 180 degrees.

L2870-134WSA Same as above except with four valves.

L2870-141FT

Double Fine Control Needle Valve Wall Mounted



Mounting: For installation on vertical surfaces (such as drywall) where there is no access behind wall during installation. Wye fitting is threaded onto nipple stubbed out of wall. Threaded escutcheon is then backed up to wall to secure fixture and conceal pipe.

Valve Bodies: Straight pattern forged brass with polished chrome plated finish.

Valve Units: Floating tapered stainless steel needle and replaceable stainless steel seat. Valve goes from closed to open in 6 revolutions of handle, providing precise flow control.

Handles: Forged brass four arm handles with color coded index discs.

Inlet: 3/8" NPT female inlet.

Outlets: 3/8" NPT female outlets with removable ten serration hose ends.

Cleaning: Fixture is specially cleaned, lubricated, assembled and packaged for use with high purity gases, including oxygen.

Quality Assurance: Fixture is fully assembled and factory tested prior to shipment.

L2870-141WSA

Double Fine Control Needle Valve Panel/Overhead Carrier Mounted



Mounting: For installation on vertical or horizontal surfaces (such as pipe chases and service carriers) where there is access behind surface during installation. Threaded mounting shank is inserted through hole in surface and secured with locknut and washer.

Valve Bodies: Straight pattern forged brass with polished chrome plated finish.

Valve Units: Floating tapered stainless steel needle and replaceable stainless steel seat. Valve goes from closed to open in 6 revolutions of handle, providing precise flow control.

Handles: Forged brass four arm handles with color coded index discs.

Inlet: Furnished with 3/8" IPS mounting shank (assembled), locknut and washer. 3/8" NPT male inlet.

Outlets: 3/8" NPT female outlets with removable ten serration hose ends.

Cleaning: Fixture is specially cleaned, lubricated, assembled and packaged for use with high purity gases, including oxygen.

Quality Assurance: Fixture is fully assembled and factory tested prior to shipment.

FINE CONTROL NEEDLE VALVES

Application: Precise flow regulation of laboratory gases. Ideal for special gases such as nitrogen, oxygen, helium and hydrogen. Valve is specially cleaned, lubricated and packaged for use with high purity gases.

Valve Body: Straight pattern forged brass with polished chrome plated finish.

Valve Unit: Floating tapered stainless steel needle and replaceable stainless steel seat. Valve goes from closed to open in 6 revolutions of handle, providing precise flow regulation.

Handle: Forged brass four arm handle with color coded index disc.

Inlet: 3/8" NPT male inlet.

Outlet: 3/8" NPT female outlet with removable ten serration hose end.

Quality Assurance: Valve is fully assembled and factory tested prior to shipment.

ADDITIONAL MODELS

L3172 Fine control needle valve with angle serrated hose end.

L3173 Fine control needle valve with quick connect fitting.

L3174 Fine control needle valve with 1/4" OD compression fitting.

L3170 Fine Control Needle Valve Angle Pattern



Mounting: Turret base with single outlet for mounting underneath reagent shelf.

Valve Body: Angle pattern forged brass with polished chrome plated finish.

Valve Unit: Floating tapered stainless steel needle and replaceable stainless steel seat. Valve goes from closed to open in 6 revolutions of handle, providing precise flow regulation.

Handle: Forged brass four arm handle with color coded index disc.

Inlet: Furnished with 3/8" IPS mounting shank (assembled), locknut and washer. 3/8" NPT male inlet.

Outlet: 3/8" NPT female outlet with removable ten serration hose end.

Cleaning: Fixture is specially cleaned, lubricated, assembled and packaged for use with high purity gases, including oxygen.

Quality Assurance: Fixture is fully assembled and factory tested prior to shipment.

ADDITIONAL MODEL

L3170-132SWSA Same as above except with two valves at 180 degrees.

L3170-131WSA Fine Control Needle Valve Overhead Mounted



Mounting: For installation on vertical surfaces (such as drywall) where there is no access behind wall during installation. Wye fitting is threaded onto nipple stubbed out of wall. Threaded escutcheon is then backed up to wall to secure fixture and conceal pipe.

Valve Bodies: Angle pattern forged brass with polished chrome plated finish.

Valve Units: Floating tapered stainless steel needle and replaceable stainless steel seat. Valve goes from closed to open in 6 revolutions of handle, providing precise flow control.

Handles: Forged brass four arm handles with color coded index discs.

Inlet: 3/8" NPT female inlet.

Outlets: 3/8" NPT female outlets with removable ten serration hose ends.

Cleaning: Fixture is specially cleaned, lubricated, assembled and packaged for use with high purity gases, including oxygen.

Quality Assurance: Fixture is fully assembled and factory tested prior to shipment.

L3170-141FT Double Fine Control Needle Valve Wall Mounted



Mounting: For installation on vertical or horizontal surfaces (such as pipe chases and service carriers) where there is access behind surface during installation. Threaded mounting shank is inserted through hole in surface and secured with locknut and washer.

Valve Bodies: Angle pattern forged brass with polished chrome plated finish.

Valve Units: Floating tapered stainless steel needle and replaceable stainless steel seat. Valve goes from closed to open in 6 revolutions of handle, providing precise flow control.

Handles: Forged brass four arm handles with color coded index discs.

Inlet: Furnished with 3/8" IPS mounting shank (assembled), locknut and washer. 3/8" NPT male inlet.

Outlets: 3/8" NPT female outlets with removable ten serration hose ends.

Cleaning: Fixture is specially cleaned, lubricated, assembled and packaged for use with high purity gases, including oxygen.

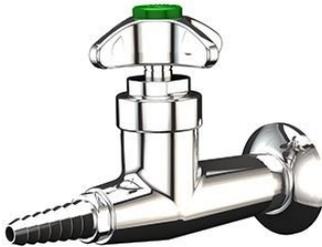
Quality Assurance: Fixture is fully assembled and factory tested prior to shipment.

L3170-141WSA Double Fine Control Needle Valve Panel/Overhead Carrier Mounted



L4870FT-325

Water Valve Assembly Wall Mounted



Mounting: For installation on vertical surfaces (such as drywall) where there is no access behind wall during installation. Valve is threaded onto nipple stubbed out of wall. Threaded escutcheon is then backed up to wall to secure valve and conceal pipe.

Valve Body: Straight pattern forged brass with polished chrome plated finish.

Valve Unit: Floating tapered stainless steel needle and replaceable stainless steel seat. Valve goes from closed to open in 6 revolutions of handle, providing precise flow regulation.

Handle: Forged brass four arm handle with color coded index disc.

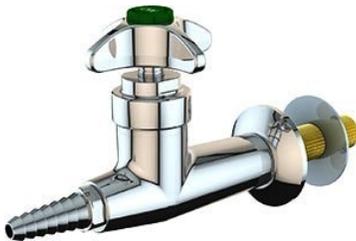
Inlet: 3/8" NPT female inlet.

Outlet: 3/8" NPT female outlet with removable ten serration hose end.

Quality Assurance: Fixture is fully assembled and factory tested prior to shipment.

L4870F-225WSA

Water Valve Assembly Panel/Overhead Carrier Mounted



Mounting: For installation on vertical or horizontal surfaces (such as pipe chases and service carriers) where there is access behind surface during installation. Threaded mounting shank is inserted through hole in surface and secured with locknut and washer.

Valve Body: Straight pattern forged brass with polished chrome plated finish.

Valve Unit: Floating tapered stainless steel needle and replaceable stainless steel seat. Valve goes from closed to open in 6 revolutions of handle, providing precise flow regulation.

Handle: Forged brass four arm handle with color coded index disc.

Inlet: Furnished with 3/8" IPS mounting shank (assembled), locknut and washer. 3/8" NPT male inlet.

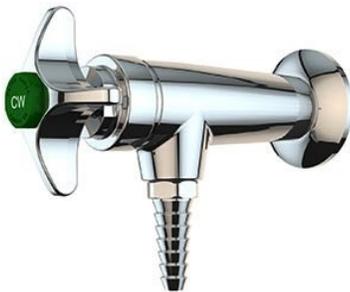
Outlet: 3/8" NPT female outlet with removable ten serration hose end.

Cleaning: Fixture is specially cleaned, lubricated, assembled and packaged for use with high purity gases, including oxygen.

Quality Assurance: Fixture is fully assembled and factory tested prior to shipment.

L5170FT-325

Water Valve Assembly Wall Mounted



Mounting: For installation on vertical surfaces (such as drywall) where there is no access behind wall during installation. Valve is threaded onto nipple stubbed out of wall. Threaded escutcheon is then backed up to wall to secure valve and conceal pipe.

Valve Body: Angle pattern forged brass with polished chrome plated finish.

Valve Unit: Floating tapered stainless steel needle and replaceable stainless steel seat. Valve goes from closed to open in 6 revolutions of handle, providing precise flow regulation.

Handle: Forged brass four arm handle with color coded index disc.

Inlet: 3/8" NPT female inlet.

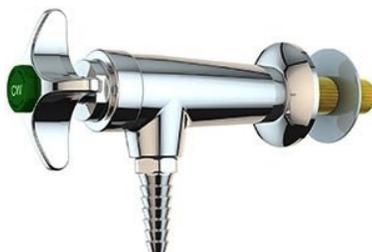
Outlet: 3/8" NPT female outlet with removable ten serration hose end.

Cleaning: Fixture is specially cleaned, lubricated, assembled and packaged for use with high purity gases, including oxygen.

Quality Assurance: Fixture is fully assembled and factory tested prior to shipment.

L5170F-225WSA

Water Valve Assembly Panel/Overhead Carrier Mounted



Mounting: For installation on vertical surfaces (such as pipe chases and service carriers) where there is access behind surface during installation. Threaded mounting shank is inserted through hole in surface and secured with locknut and washer.

Valve Body: Angle pattern forged brass with polished chrome plated finish.

Valve Unit: Floating tapered stainless steel needle and replaceable stainless steel seat. Valve goes from closed to open in 6 revolutions of handle, providing precise flow regulation.

Handle: Forged brass four arm handle with color coded index disc.

Inlet: Furnished with 3/8" IPS mounting shank (assembled), locknut and washer. 3/8" NPT male inlet.

Outlet: 3/8" NPT female outlet with removable ten serration hose end.

Cleaning: Fixture is specially cleaned, lubricated, assembled and packaged for use with high purity gases, including oxygen.

Quality Assurance: Fixture is fully assembled and factory tested prior to shipment.

NEEDLE VALVES

Application: Flow regulation of all laboratory gases, including specialty gases. When ordered, valve may be specially cleaned, lubricated and packaged for pure gas service. Valve is certified for gas service by CSA International.

Valve Body: Straight pattern forged brass with polished chrome plated finish.

Valve Unit: Floating stainless steel needle and replaceable stainless steel seat. Valve goes from closed to open in 3 revolutions of handle, providing good flow regulation.

Handle: Forged brass four arm handle with color coded index disc.

Inlet: 3/8" NPT male inlet.

Outlet: 3/8" NPT female outlet with removable ten serration hose end.

Quality Assurance: Valve is fully assembled and factory tested prior to shipment.

ADDITIONAL MODELS

L2882 Fine control needle valve with angle serrated hose end.

L2883 Fine control needle valve with quick connect fitting.

L2884 Fine control needle valve with 1/4" OD compression fitting.

L2880 Needle Valve Straight Pattern



Mounting: Deck mounted turret base with single outlet.

Valve Body: Straight pattern forged brass with polished chrome plated finish.

Valve Unit: Floating stainless steel needle and replaceable stainless steel seat.

Handle: Forged brass four arm handle with color coded index disc.

Inlet: Furnished with 3/8" IPS mounting shank (assembled), locknut and washer. 3/8" NPT male inlet.

Outlet: 3/8" NPT female outlet with removable ten serration hose end.

Quality Assurance: Fixture is fully assembled and factory tested prior to shipment.

ADDITIONAL MODELS

L2880-132AWSA Same as above except with two valves at 90 degrees.

L2880-132SWSA Same as above except with two valves at 180 degrees.

L2880-134WSA Same as above except with four valves.

L2880-131WSA Needle Valve Deck Mounted



Mounting: For installation on vertical surfaces (such as drywall) where there is no access behind wall during installation. Wye fitting is threaded onto nipple stubbed out of wall. Threaded escutcheon is then backed up to wall to secure fixture and conceal pipe.

Valve Bodies: Angle pattern forged brass with polished chrome plated finish.

Valve Units: Floating stainless steel needle and replaceable stainless steel seat.

Handles: Forged brass four arm handles with color coded index discs.

Inlet: 3/8" NPT female inlet.

Outlets: 3/8" NPT female outlets with removable ten serration hose ends.

Quality Assurance: Fixture is fully assembled and factory tested prior to shipment.

L2880-141FT Double Needle Valve Wall Mounted



Mounting: For installation on vertical or horizontal surfaces (such as pipe chases and service carriers) where there is access behind surface during installation. Threaded mounting shank is inserted through hole in surface and secured with locknut and washer.

Valve Bodies: Angle pattern forged brass with polished chrome plated finish.

Valve Units: Floating stainless steel needle and replaceable stainless steel seat.

Handles: Forged brass four arm handles with color coded index discs.

Inlet: Furnished with 3/8" IPS mounting shank (assembled), locknut and washer. 3/8" NPT male inlet.

Outlets: 3/8" NPT female outlets with removable ten serration hose ends.

Quality Assurance: Fixture is fully assembled and factory tested prior to shipment.

L2880-141WSA Double Needle Valve Panel/Overhead Carrier Mounted



L3180 Needle Valve Angle Pattern



Application: Precise flow regulation of laboratory gases. Ideal for special gases such as nitrogen, oxygen, helium and hydrogen. Valve is specially cleaned, lubricated and packaged for use with high purity gases.

Valve Body: Straight pattern forged brass with polished chrome plated finish.

Valve Unit: Floating tapered stainless steel needle and replaceable stainless steel seat. Valve goes from closed to open in 6 revolutions of handle, providing precise flow regulation.

Handle: Forged brass four arm handle with color coded index disc.

Inlet: 3/8" NPT male inlet.

Outlet: 3/8" NPT female outlet with removable ten serration hose end.

Quality Assurance: Valve is fully assembled and factory tested prior to shipment.

ADDITIONAL MODELS

L3182 Fine control needle valve with angle serrated hose end.

L3183 Fine control needle valve with quick connect fitting.

L3184 Fine control needle valve with 1/4" OD compression fitting.

L3180-131WSA Needle Valve Overhead Mounted



Mounting: Turret base with single outlet for mounting underneath reagent shelf.

Valve Body: Angle pattern forged brass with polished chrome plated finish.

Valve Unit: Floating stainless steel needle and replaceable stainless steel seat.

Handle: Forged brass four arm handle with color coded index disc.

Inlet: Furnished with 3/8" IPS mounting shank (assembled), locknut and washer. 3/8" NPT male inlet.

Outlet: 3/8" NPT female outlet with removable ten serration hose end.

Quality Assurance: Fixture is fully assembled and factory tested prior to shipment.

ADDITIONAL MODEL

L3180-132SWSA Same as above except with two valves at 180 degrees.

L3180-141FT Double Needle Valve Wall Mounted



Mounting: For installation on *vertical* surfaces (such as drywall) where there is no access behind wall during installation. Wye fitting is threaded onto nipple stubbed out of wall. Threaded escutcheon is then backed up to wall to secure fixture and conceal pipe.

Valve Bodies: Angle pattern forged brass with polished chrome plated finish.

Valve Units: Floating stainless steel needle and replaceable stainless steel seat.

Handles: Forged brass four arm handles with color coded index discs.

Inlet: 3/8" NPT female inlet.

Outlets: 3/8" NPT female outlets with removable ten serration hose ends.

Quality Assurance: Fixture is fully assembled and factory tested prior to shipment.

L3180-141WSA Double Needle Valve Panel/Overhead Carrier Mounted



Mounting: For installation on vertical or horizontal surfaces (such as pipe chases and service carriers) where there is access behind surface during installation. Threaded mounting shank is inserted through hole in surface and secured with locknut and washer.

Valve Bodies: Angle pattern forged brass with polished chrome plated finish.

Valve Units: Floating stainless steel needle and replaceable stainless steel seat.

Handles: Forged brass four arm handles with color coded index discs.

Inlet: Furnished with 3/8" IPS mounting shank (assembled), locknut and washer. 3/8" NPT male inlet.

Outlets: 3/8" NPT female outlets with removable ten serration hose ends.

Quality Assurance: Fixture is fully assembled and factory tested prior to shipment.

NEEDLE VALVES

Mounting: For installation on vertical surfaces (such as drywall) where there is no access behind wall during installation. Valve is threaded onto nipple stubbed out of wall. Threaded escutcheon is then backed up to wall to secure valve and conceal pipe.

Valve Body: Straight pattern forged brass with polished chrome plated finish.

Valve Unit: Floating stainless steel needle and replaceable stainless steel seat.

Handle: Forged brass four arm handle with color coded index disc.

Inlet: 3/8" NPT female inlet.

Outlet: 3/8" NPT female outlet with removable ten serration hose end.

Quality Assurance: Fixture is fully assembled and factory tested prior to shipment.

L4880FT-325 Needle Valve Assembly Wall Mounted



Mounting: For installation on vertical or horizontal surfaces (such as pipe chases and service carriers) where there is access behind surface during installation. Threaded mounting shank is inserted through hole in surface and secured with locknut and washer.

Valve Body: Straight pattern forged brass with polished chrome plated finish.

Valve Unit: Floating stainless steel needle and replaceable stainless steel seat.

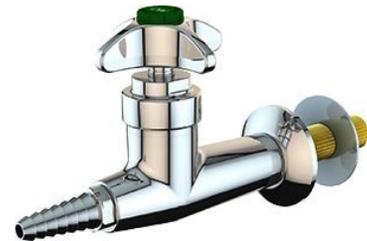
Handle: Forged brass four arm handle with color coded index disc.

Inlet: Furnished with 3/8" IPS mounting shank (assembled), locknut and washer. 3/8" NPT male inlet.

Outlet: 3/8" NPT female outlet with removable ten serration hose end.

Quality Assurance: Fixture is fully assembled and factory tested prior to shipment.

L4880F-225WSA Needle Valve Assembly Panel/Overhead Carrier Mounted



Mounting: For installation on vertical surfaces (such as drywall) where there is no access behind wall during installation. Valve is threaded onto nipple stubbed out of wall. Threaded escutcheon is then backed up to wall to secure valve and conceal pipe.

Valve Body: Angle pattern forged brass with polished chrome plated finish.

Valve Unit: Floating stainless steel needle and replaceable stainless steel seat.

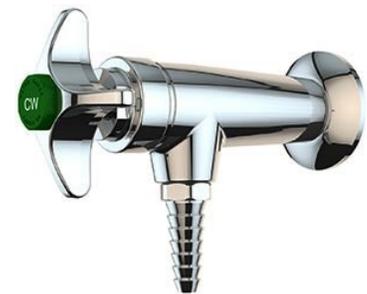
Handle: Forged brass four arm handle with color coded index disc.

Inlet: 3/8" NPT female inlet.

Outlet: 3/8" NPT female outlet with removable ten serration hose end.

Quality Assurance: Fixture is fully assembled and factory tested prior to shipment.

L5180FT-325 Needle Valve Assembly Wall Mounted



Mounting: For installation on vertical surfaces (such as pipe chases and service carriers) where there is access behind surface during installation. Threaded mounting shank is inserted through hole in surface and secured with locknut and washer.

Valve Body: Angle pattern forged brass with polished chrome plated finish.

Valve Unit: Floating stainless steel needle and replaceable stainless steel seat.

Handle: Forged brass four arm handle with color coded index disc.

Inlet: Furnished with 3/8" IPS mounting shank (assembled), locknut and washer. 3/8" NPT male inlet.

Outlet: 3/8" NPT female outlet with removable ten serration hose end.

Quality Assurance: Fixture is fully assembled and factory tested prior to shipment.

L5180F-225WSA Needle Valve Assembly Panel/Overhead Carrier Mounted



L2892 Steam Valve Straight Pattern



Application: Low pressure laboratory steam. Maximum working pressure is 20 PSI. For high pressure steam valve applications,

Valve Body: Straight pattern forged brass with polished chrome plated finish.

Valve Unit: Globe valve design with glass filled TFE valve disc and stem packing. Replaceable stainless steel seat.

Handle: Heat resistant black nylon four arm handle with color coded index disc.

Inlet: 3/8" NPT male inlet.

Outlet: 3/8" NPT female outlet with removable angle ten serration hose end.

Quality Assurance: Valve is fully assembled and factory tested prior to shipment.

ADDITIONAL MODEL

L2890 Same as above except with straight serrated hose end.

L2892-131WSA Steam Valve Assembly Deck Mounted



Mounting: Deck mounted turret base with single outlet.

Valve Body: Straight pattern forged brass with polished chrome plated finish.

Valve Unit: Globe valve design with glass filled TFE valve disc and stem packing. Replaceable stainless steel seat.

Handle: Heat resistant black nylon four arm handle with color coded index disc.

Inlet: Furnished with 3/8" IPS mounting shank (assembled), locknut and washer. 3/8" NPT male inlet.

Outlet: 3/8" NPT female outlet with removable angle ten serration hose end.

Quality Assurance: Fixture is fully assembled and factory tested prior to shipment.

ADDITIONAL MODELS

L2892-132AWSA Same as above except with two valves at 90 degrees.

L2892-132SWSA Same as above except with two valves at 180 degrees.

L2892-158WSA Same as above except with single valve in panel mounted flange.

L2892-146WSA Same as above except with two valves in panel mounted wye fitting.

L3190 Steam Valve Angle Pattern



Application: Low pressure laboratory steam. Maximum working pressure is 20 PSI. For high pressure steam applications.

Valve Body: Angle pattern forged brass with polished chrome plated finish.

Valve Unit: Globe valve design with glass filled TFE valve disc and stem packing. Replaceable stainless steel seat.

Handle: Heat resistant black nylon four arm handle with color coded index disc.

Inlet: 3/8" NPT male inlet.

Outlet: 3/8" NPT female outlet with removable ten serration hose end.

Quality Assurance: Valve is fully assembled and factory tested prior to shipment.

ADDITIONAL MODEL

L3192 Same as above except with angle serrated hose end.

L3190-131WSA Steam Valve Assembly Overhead Mounted



Mounting: Turret base with single outlet for mounting underneath reagent shelf.

Valve Body: Angle pattern forged brass with polished chrome plated finish.

Valve Unit: Globe valve design with glass filled TFE valve disc and stem packing. Replaceable stainless steel seat.

Handle: Heat resistant black nylon four arm handle with color coded index disc.

Inlet: Furnished with 3/8" IPS mounting shank (assembled), locknut and washer. 3/8" NPT male inlet.

Outlet: 3/8" NPT female outlet with removable ten serration hose end.

Quality Assurance: Fixture is fully assembled and factory tested prior to shipment.

ADDITIONAL MODEL

L3190-132SWSA Same as above except with two valves at 180 degrees.

STEAM VALVES

Mounting: For installation on vertical surfaces (such as drywall) where there is no access behind wall during installation. Valve is threaded

onto nipple stubbed out of wall. Threaded escutcheon is then backed up to wall to secure valve and conceal pipe.

Valve Body: Straight pattern forged brass with polished chrome plated finish.

Valve Unit: Globe valve design with glass filled TFE valve disc and stem packing. Replaceable stainless steel seat.

Handle: Heat resistant black nylon four arm handle with color coded index disc.

Inlet: 3/8" NPT female inlet.

Outlet: 3/8" NPT female outlet with removable angle ten serration hose end.

Quality Assurance: Fixture is fully assembled and factory tested prior to shipment.

L4892FT-325 Steam Valve Assembly Wall Mounted



Mounting: For installation on vertical surfaces (such as pipe chases) where there is access behind surface during installation. Threaded mounting shank is inserted through hole in surface and secured with locknut and washer.

Valve Body: Straight pattern forged brass with polished chrome plated finish.

Valve Unit: Globe valve design with glass filled TFE valve disc and stem packing. Replaceable stainless steel seat.

Handle: Heat resistant black nylon four arm handle with color coded index disc.

Inlet: Furnished with 3/8" IPS mounting shank (assembled), locknut and washer. 3/8" NPT male inlet.

Outlet: 3/8" NPT female outlet with removable angle ten serration hose end.

Quality Assurance: Fixture is fully assembled and factory tested prior to shipment.

L4892F-225WSA Steam Valve Assembly Panel Mounted



Mounting: For installation on vertical surfaces (such as drywall) where there is no access

behind wall during installation. Valve is threaded onto nipple stubbed out of wall. Threaded escutcheon is then backed up to wall to secure valve and conceal pipe.

Valve Body: Angle pattern forged brass with polished chrome plated finish.

Valve Unit: Globe valve design with glass filled TFE valve disc and stem packing. Replaceable stainless steel seat.

Handle: Heat resistant black nylon four arm handle with color coded index disc.

Inlet: 3/8" NPT female inlet.

Outlet: 3/8" NPT female outlet with removable angle ten serration hose end.

Quality Assurance: Fixture is fully assembled and factory tested prior to shipment.

L5190FT-325 Steam Valve Assembly Wall Mounted



Mounting: For installation on vertical surfaces (such as pipe chases and service carriers) where there is access behind surface during installation. Threaded mounting shank is inserted through hole in surface and secured with locknut and washer.

Valve Body: Angle pattern forged brass with polished chrome plated finish.

Valve Unit: Globe valve design with glass filled TFE valve disc and stem packing. Replaceable stainless steel seat.

Handle: Heat resistant black nylon four arm handle with color coded index disc.

Inlet: 3/8" NPT male inlet.

Outlet: 3/8" NPT female outlet with removable ten serration hose end.

Quality Assurance: Fixture is fully assembled and factory tested prior to shipment.

L5190F-225WSA Steam Valve Assembly Panel Mounted



L4200

Laboratory Ball Valve Removable Hose End, Nylon Handle



Application: On/off control of all laboratory gases at pressures up to 75 PSI. When ordered, valve may be specially cleaned, lubricated and packaged for pure gas service. Valve is certified for gas service by CSA international. Valve is recommended for ADA compliant applications

Valve Body: Forged brass with polished chrome plated finish.

Valve Unit: Quarter turn open/close with chrome plated brass ball and molded TFE seals.

Handle: Black nylon lever handle with color coded index disc. Also available with color coded nylon handle

Inlet: 3/8" NPT male inlet

Outlet: 3/8" NPT female outlet with removable ten serration hose end.

Quality Assurance: Valve is fully assembled and factory tested prior to shipment.

ADDITIONAL MODELS

L4202 Ball valve with angle serrated hose end.

L4203 Ball valve with quick connect fitting.

L4204 Ball valve with 1/4" OD compression fitting.

L4200FH

Laboratory Ball Valve Removable Hose End, Forged Brass Handle



Application: On/off control of all laboratory gases at pressures up to 75 PSI. When ordered, valve may be specially cleaned, lubricated and packaged for pure gas service. Valve is certified for gas service by CSA international. Valve is recommended for ADA compliant applications

Valve Body: Forged brass with polished chrome plated finish.

Valve Unit: Quarter turn open/close with chrome plated brass ball and molded TFE seals.

Handle: Chrome plated Forged brass lever handle with color coded index disc.

Inlet: 3/8" NPT male inlet

Outlet: 3/8" NPT female outlet with removable ten serration hose end.

Quality Assurance: Valve is fully assembled and factory tested prior to shipment.

ADDITIONAL MODELS

L4202FH Ball valve with angle serrated hose end.

L4203FH Ball valve with quick connect fitting.

L4204FH Ball valve with 1/4" OD compression fitting.

L4200-131WSA

Ball Valve Assembly Deck Mounted



Mounting: Deck mounted turret base with single outlet

Valve Body: Forged brass with polished chrome plated finish.

Valve Unit: Quarter turn open/close with chrome plated brass ball and molded TFE seals.

Handle: Black nylon lever handle with color coded index disc. If forged brass lever handle is desired, order "L4200FH".

Inlet: Furnished with 3/8" IPS mounting shank (assembles), locknut and washer. 3/8" NPT male inlet.

Outlet: 3/8" NPT female outlet with removable ten serration hose end.

Quality Assurance: Valve is fully assembled and factory tested prior to shipment.

ADDITIONAL MODELS

L4200-132AWSA Same as above except with two valves at 90 degrees.

L4200-132SWSA Same as above except with two valves at 180 degrees.

L4200-134WSA Same as above except with four valves.

L4200-158WS

Ball Valve Assembly Panel Mounted



Mounting: Deck mounted turret base with single outlet

Valve Body: Forged brass with polished chrome plated finish.

Valve Unit: Quarter turn open/close with chrome plated brass ball and molded TFE seals.

Handle: Black nylon lever handle with color coded index disc. If forged brass lever handle is desired, order "L4200FH".

Inlet: Furnished with 3/8" IPS mounting shank (assembles), locknut and washer. 3/8" NPT male inlet.

Outlet: 3/8" NPT female outlet with removable ten serration hose end.

Quality Assurance: Valve is fully assembled and factory tested prior to shipment.

ADDITIONAL MODELS

L4200-141WS Same as above except with two valves in panel mounted wye fitting.

LABORATORY BALL VALVES

Application: On/off control of all laboratory gases at pressures up to 75 PSI. When ordered, valve may be specially cleaned, lubricated and packaged for pure gas service. Valve is certified for gas service by CSA international. Valve is recommended for ADA compliant applications

Valve Body: Forged brass with polished chrome plated finish.

Valve Unit: Quarter turn open/close with chrome plated brass ball and molded TFE seals.

Handle: Black nylon lever handle with color coded index disc. Also available with color coded nylon handle

Inlet: 3/8" NPT male inlet

Outlet: Integral (non removable) ten serration hose end

Quality Assurance: Valve is fully assembled and factory tested prior to shipment.

ADDITIONAL MODELS

L4102 Ball valve with angle serrated hose end.

L4103 Ball valve with quick connect fitting.

L4104 Ball valve with 1/4" OD compression fitting.

L4100 Laboratory Ball Valve Removable Hose End, Nylon Handle



Application: On/off control of all laboratory gases at pressures up to 75 PSI. When ordered, valve may be specially cleaned, lubricated and packaged for pure gas service. Valve is certified for gas service by CSA international. Valve is recommended for ADA compliant applications

Valve Body: Forged brass with polished chrome plated finish.

Valve Unit: Quarter turn open/close with chrome plated brass ball and molded TFE seals.

Handle: Chrome plated Forged brass lever handle with color coded index disc.

Inlet: 3/8" NPT male inlet

Outlet: Integral (non removable) ten serration hose end

Quality Assurance: Valve is fully assembled and factory tested prior to shipment.

L4100FH Laboratory Ball Valve Removable Hose End, Forged Brass Handle



Mounting: Deck mounted turret base with single outlet

Valve Body: Forged brass with polished chrome plated finish.

Valve Unit: Quarter turn open/close with chrome plated brass ball and molded TFE seals.

Handle: Black nylon lever handle with color coded index disc. If forged brass lever handle is desired, order "L4100FH".

Inlet: Furnished with 3/8" IPS mounting shank (assembles), locknut and washer. 3/8" NPT male inlet.

Outlet: Integral (non removable) ten serration hose end

Quality Assurance: Valve is fully assembled and factory tested prior to shipment.

ADDITIONAL MODELS

L4100-132AWSA Same as above except with two valves at 90 degrees.

L4100-132SWSA Same as above except with two valves at 180 degrees.

L4100-134WSA Same as above except with four valves.

L4100-131WSA Ball Valve Assembly Deck Mounted



Mounting: Deck mounted turret base with single outlet

Valve Body: Forged brass with polished chrome plated finish.

Valve Unit: Quarter turn open/close with chrome plated brass ball and molded TFE seals.

Handle: Black nylon lever handle with color coded index disc. If forged brass lever handle is desired, order "L4100FH".

Inlet: Furnished with 3/8" IPS mounting shank (assembles), locknut and washer. 3/8" NPT male inlet.

Outlet: Integral (non removable) ten serration hose end

Quality Assurance: Valve is fully assembled and factory tested prior to shipment.

ADDITIONAL MODELS

L4100-141WS Same as above except with two valves in panel mounted wye fitting.

L4100-158WS Ball Valve Assembly Panel Mounted



REMOTE CONTROL VALVES FOR FUME HOODS

L739

Panel Mounted Valve Angle Face Fume Hood



Application: Panel mounted valve for installation on angle face of hood. Valve is installed from behind panel and is secured with external locking ring on front of hood. All working components of valve are accessible from front exterior face of hood. By eliminating the extension rod between the valve and handle, the user has more precise control of the valve.

Valve Body: Forged brass with polished chrome plated finish.

Inlet/Outlet: 3/8" NPT female inlet and outlet.

Quality Assurance: Valve is fully assembled and factory tested prior to shipment.

ADDITIONAL MODELS:

L739LFCN Fine control needle valve construction, for mounting on left hand side of hood.

L739RFCN Fine control needle valve construction, for mounting on right hand side of hood.

L739LN Needle valve construction, for mounting on left hand side of hood.

L739RN Needle valve construction, for mounting on right hand side of hood.

L739LS Steam valve construction, for mounting on left hand side of hood.

L739RS Steam valve construction, for mounting on right hand side of hood.

L739LW Water valve construction, for mounting on left hand side of hood.

L739RW Water valve construction, for mounting on right hand side of hood.

L739LWTL Tin lined water valve construction, for mounting on left hand side of hood.

L739RWTL Tin lined water valve construction, for mounting on right hand side of hood.

L740

Panel Mounted Valve Straight Face Fume Hood



Application: Panel mounted valve for installation on straight face of hood. Valve is installed from behind panel and is secured with external locking ring on front of hood. All working components of valve are accessible from front exterior face of hood. By eliminating the extension rod between the valve and handle, the user has more precise control of the valve.

Valve Body: Forged brass with polished chrome plated finish.

Inlet/Outlet: 3/8" NPT female inlet and outlet.

Quality Assurance: Valve is fully assembled and factory tested prior to shipment.

ADDITIONAL MODELS:

L740FCN Fine control needle valve construction.

L740N Needle valve construction.

L740S Steam valve construction.

L740W Water valve construction.

L740WTL Tin lined water valve construction for pure water.

L3185

Rod Type Valve Angle Pattern



Application: Angle pattern valve for installation within side wall of hood. Valve inlet and outlet are at 90 degrees.

Valve Body: Forged brass.

Inlet/Outlet: 3/8" NPT female inlet and outlet.

Quality Assurance: Valve is fully assembled and factory tested prior to shipment.

ADDITIONAL MODELS:

L3185FCN Fine control needle valve construction.

L3185N Needle valve construction.

L3185S Steam valve construction.

L3185W Water valve construction.

L3185WTL Tin lined water valve construction for pure water.

L2885 Same as above except straight pattern valve. Valve inlet and outlet are at 180 degrees.

L4285

Rod Type Ball Valve



Application: Remote control ball valve for installation within side wall or underneath deck of hood. Valve provides on/off control of laboratory water and gases. Valve is recommended for ADA compliant applications.

Valve Body: Forged brass.

Inlet/Outlet: 3/8" NPT female inlet and outlet.

Quality Assurance: Valve is fully assembled and factory tested prior to shipment.

ADDITIONAL MODELS:

L4285LB For mounting on left hand side of hood.

L4285RB For mounting on right hand side of hood.

REMOTE CONTROL OUTLET FITTINGS

Application: Outlet fittings for use with fume hood valves

Finish: Outlet fittings are brass with a powder coated finish coded to match the fixture service index color.



L022WSA

Panel mounted flange with 45 degree angle hose end. Furnished with mounting shank, locknut and washer. 3/8" NPT male inlet.



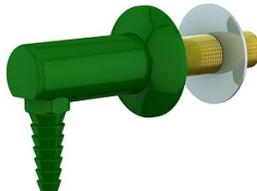
L023WSA

Panel mounted flange with 45 degree angle quick connect fitting. Quick connect has 1/4" IPS plug. Furnished with mounting shank, locknut and washer. 3/8" IPS male inlet.



L024WSA

Panel mounted flange with 45 degree angle 1/4" OOD compression fitting. Furnished with mounting shank, locknut and washer. 3/8" NPT male



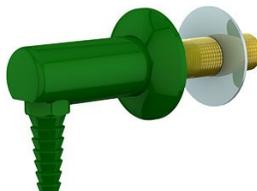
L035WSA

Deck or panel mounted turret with 90 degree hose end. Furnished with mounting shank, locknut and washer. 3/8" NPT male inlet.



L036WSA

Deck mounted turret with 30 degree angle hose end. Furnished with mounting shank, locknut and washer. 3/8" NPT male inlet.



L051WSA

Panel mounted turret with 90 degree hose end. Furnished with mounting shank, locknut and washer. 3/8" NPT male inlet.



L071WSA

Panel mounted turret with 6" rigid gooseneck. Furnished with mounting shank, locknut and washer. 3/8" NPT male inlet.

ADDITIONAL MODEL

L071VB-WSA

Same as above except with vacuum breaker gooseneck.



L081WSA

Deck mounted turret with 6" rigid gooseneck. Furnished with mounting shank, locknut and washer. 3/8" NPT male inlet.

ADDITIONAL MODEL

L081VB-WSA

Same as above except with vacuum breaker gooseneck.



L074WSA

Panel mounted turret with 6" rigid/swing gooseneck. Furnished with mounting shank, locknut and washer. 3/8" NPT male inlet.

ADDITIONAL MODEL

L074VB-WSA

Same as above except with vacuum breaker gooseneck.



L084WSA

Deck mounted turret with 6" rigid/swing gooseneck. Furnished with mounting shank, locknut and washer. 3/8" NPT male inlet.

ADDITIONAL MODEL

L084VB-WSA

Same as above except with vacuum breaker gooseneck.

REMOTE CONTROL ASSEMBLIES

Ordering Instructions

To order remote control assemblies, please proceed as follows:

1. Select the desired remote control valve. Specify:
 - a. Valve service (cold water, gas, air, vacuum, etc.).
 - b. Valve construction (by replacing? with the suffix "FCN" for fine control needle valve, "N" for needle valve, "S" for steam valve, "W" for water valve or "WTL" for tin lined water valve.).
 - c. For L739 and L4285B valves, whether valve is for right hand or left hand mounting.
2. Select the desired outlet fitting. Outlet fittings are furnished with a color coded epoxy finish as standard. Please specify if a different finish is desired.
3. On the table below, find the desired valve and outlet fitting and read across and down to find the correct assembly number.

4. For assemblies using rod type valves, specify:
 - a. "L" dimension, measured from the top of the index disc to the centerline of the valve. If the "L" dimension is not specified, a standard dimension of 20" will be furnished.
 - b. "Y" dimension, measured from the centerline of the valve to the back of the flange or turret on the outlet fitting. If the "Y" dimension is not specified, a standard dimension of 2-3/4" will be furnished.
 - c. Type of guide plate desired, as follows:
 - PA** Black nylon flat guide plate with screws for straight panel
 - PB** Black nylon threaded guide plate for straight panel
 - PC** Black nylon 45 degree angle guide plate
 - PO** Black nylon press in guide bushing for straight panel

ORDERING TABLE FOR REMOTE CONTROL ASSEMBLIES

Outlet Fittings		L739	L740	L2885	L3185	L4285
	L022WSA	L739?-LR	L740?-LR	L2885?-LR	L3185?-LR	L4285?B-LR
	L023WSA	L739?-QR	L740?-QR	L2885?-QR	L3185?-QR	L4285?B-QR
	L035WSA	L739?-7	L740?-7	L2885?-7	L3185?-7	L4285?B-7
	L036WSA		L740-8	L2885?-8	L3185?-8	L4285?B-8
	L051WSA	L739?-5	L740?-5	L2885?-5	L3185?-5	L4285?B-5
	L071WSA	L739?-9	L740?-9	L2885?-9	L3185?-9	L4285?B-9
	L071VB-WSA	L739?-9VB	L740?-9VB	L2885?-9VB	L3185?-9VB	L4285?B-9VB
	L074WSA	L739?-9RS	L740?-9RS	L2885?-9RS	L3185?-9RS	L4285?B-9RS
	L074VB-WSA	L739?-9RSVB	L740?-9RSVB	L2885?-9RSVB	L3185?-9RSVB	L4285?B-9RSVB
	L081WSA		L740?-6	L2885?-6	L3185?-6	L4285?B-6
	L081VB-WSA		L740?-6VB	L2885?-6VB	L3185?-6VB	L4285?B-6VB
	L084WSA		L740?-6RS	L2885?-6RS	L3185?-6RS	L4285?B-6RS
	L084VB-WSA		L740?-6RSVB	L2885?-6RSVB	L3185?-6RSVB	L4285?B-6RSVB

ELECTRICAL FIXTURES

LOC Scientific electrical boxes are UL listed under standard UL514A, are machined for both standard and ground fault receptacles, and are furnished complete with grounding screws, 3/4" IPS mounting shank and locknut. To order electrical fixtures, please proceed as follows:

1. Select the desired electrical box from below.
2. Select the desired receptacle from below. Read across and down to find the appropriate fixture number. Note that, unless specified otherwise, receptacles are furnished in black.

3. Specify the desired finish for the pedestal box, as follows:
 - Wrinkle black epoxy powder coated finish (standard).
 - Satin (brushed) aluminum finish (suffix SA").
 - Polished (bright) aluminum finish (suffix "PB").

Note: Satin and polished electrical boxes can be furnished with clear epoxy

ORDERING TABLE FOR ELECTRICAL FIXTURES

		 -33 20 Amp, 125V Straight Blade	 -33GF 20 Amp, 125V Straight Blade Ground Fault	 -37 20 Amp, 250V Straight Blade	 -61 Data Outlet (Cat 5 T568B Duplex Jacks)
E300WS Single Gang Single Face 	E333WS E333SA-WS E333PB-WS	E333GF-WS E333GF-SA-WS E333GF-PB-WS	E337WS E337SA-WS E337PB-WS	E361WS E361SA-WS E361PB-WS	
E400WS Single Gang Double Face 	E433WS E433SA-WS E433PB-WS	E433GF-WS E433GF-SA-WS E433GF-PB-WS	E437WS E437SA-WS E437PB-WS	E461WS E461SA-WS E461PB-WS	
E500WS Double Gang Single Face 	E533WS E533SA-WS E533PB-WS	E533GF-WS E533GF-SA-WS E533GF-PB-WS	E537WS E537SA-WS E537PB-WS	E561WS E561SA-WS E561PB-WS	
E600WS Double Gang Double Face 	E633WS E633SA-WS E633PB-WS	E633GF-WS E633GF-SA-WS E633GF-PB-WS	E637WS E637SA-WS E637PB-WS	E661WS E661SA-WS E661PB-WS	
E1300 Single Face Reagent Rack 	E1333 E1333SA E1333PB	E1333GF E1333GF-SA E1333GF-PB	E1337 E1337SA E1337PB	E1361 E1361SA E1361PB	
E1400 Double Face Reagent Rack 	E1433 E1433SA E1433PB	E1433GF E1433GF-SA E1433GF-PB	E1437 E1437SA E1437PB	E1461 E1461SA E1461PB	
E2300 Single Gang Flush Mount 	E2333SA E2333PB	E2333GF-SA E2333GF-PB	E2337SA E2337PB	E2361SA E2361PB	
E2500 Double Gang Flush Mount 	E2533SA E2533PB	E2533GF-SA E2533GF-PB	E2537SA E2537PB	E2561SA E2561PB	

VANDAL RESISTANT FIXTURES

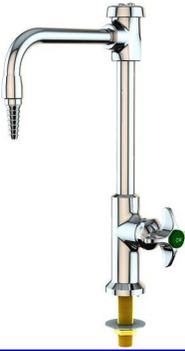
The vandal resistant fixtures shown here are representative of the many styles available. Please contact LOC Scientific for additional information regarding our full line of vandal resistant Fixtures

Vandal resistant features:

- All threaded connections are secured with cement.
- Serrated hose end is cemented in place to prevent removal.
- Vacuum breakers have vandal resistant brass bonnet and cover screws to prevent removal.
- Valves (except where used for vacuum service) has internal check valve to prevent backflow into gas system.
- Valve handles are forged brass and is secured with vandal resistant screw.
- Index disc is cemented in place.
- Packing nut is secured with set screw to prevent removal.
- Mounting base has pins to prevent turning fixture on counter.
- Inlet shank is machined from solid bar stock with extra heavy wall to resist breakage.

VR611VB

Vandal Resistant Single Faucet Deck Mounted



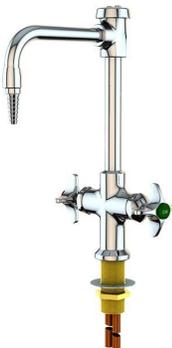
Application: Vandal resistant deck mounted single faucet with 6" rigid vacuum breaker gooseneck and serrated hose end. Furnished with self contained compression valve unit with stainless steel valve seat.

ADDITIONAL MODEL

VR614VB Same as above except with convertible rigid/swing gooseneck in place of rigid gooseneck.

VR411VB

Vandal Resistant Mixing Faucet Deck Mounted



Application: Vandal resistant deck mounted mixing faucet with 6" rigid vacuum breaker gooseneck and serrated hose end. Furnished with self contained compression valve units with stainless steel seats.

ADDITIONAL MODEL

VR414VB Same as above except with convertible rigid/swing gooseneck in place of rigid gooseneck.

VR4100-131WSA

Vandal Resistant Ball Valve Assembly Deck Mounted



Application: Vandal resistant deck mounted turret base with single laboratory ball valve. Valve is certified for gas service by CSA International and is recommended for ADA compliant applications. Lever handle provides visual indication of valve position.

ADDITIONAL MODELS

VR4100-132AWSA Same as above except with two valves at 90 degrees.

VR4100-132SWSA Same as above except with two valves at 180 degrees.

VR4100-134WSA Same as above except with four valves.

VR4100-158WSA

Vandal Resistant Ball Valve Assembly Panel Mounted



Application: Vandal resistant panel mounted flange with single laboratory ball valve for on/off control of all laboratory gases. Valve is certified for gas service by CSA International and is recommended for ADA compliant applications. Lever handle provides visual indication of valve position.

ADDITIONAL MODELS

VR4100-141WSA Same as above except with two valves in panel mounted wye fitting.

VANDAL RESISTANT FIXTURES

The vandal resistant fixtures shown here are representative of the many styles available. Please contact LOC Scientific for additional information regarding our full line of vandal resistant Fixtures

Vandal resistant features:

- Inlet shanks are machined from solid brass bar stock or heavy wall steel pipe to resist breakage.
- Laboratory ball valves (except where used for vacuum service) have internal check valves to prevent backflow into gas system.

- Index discs are cemented in place.
- Fixture riser is 1/2" IPS heavy wall pipe to resist bending and breakage.
- Hooded nylon handle conceals water valve stem and packing nut. Nut has set screw to prevent removal.
- Round serrated hose end is cemented in place.
- All threaded connections are secured with cement.

Application: Vandal resistant multiple service fixture for hot and cold water and gas. All forged brass construction for superior strength and durability. Furnished with self contained compression valve units with stainless steel valve seats. Two laboratory ball valves for gas service.

ADDITIONAL MODEL

VR5300-110WSA Same as above except with in line vacuum breaker on water outlet

VR5300WSA Combination Cold Water/Gas Fixture Vandal Resistant, Deck Mounted



Application: Vandal resistant deck mounted fixture for cold water and gas, air and/or vacuum. Fixture has three inlets, so valves may be used for different services. All forged brass construction for superior strength and durability. Furnished with self contained compression valve unit with stainless steel valve seat. Two laboratory ball valves for gas, air and or vacuum services. or gas service

ADDITIONAL MODEL

VR5600-110WSA Same as above except with in line vacuum breaker on water outlet

VR5600WSA Combination Cold Water/Gas Fixture Vandal Resistant, Deck Mounted



Application: Vandal resistant double service fixture for cold water and gas. All forged brass construction for superior strength and durability. Furnished with self contained compression valve unit with stainless steel valve seat. Two laboratory ball valves for gas service.

ADDITIONAL MODEL

VR5800-110WSA Same as above except with in line vacuum breaker on water outlet

VR5800WSA Combo Hot & Cold Water/Gas Fixture Vandal Resistant, Deck Mounted





Horizontal Rods

Horizontal rods are machined from solid aluminum bar stock. Rods are cut to size, ends are rounded and each rod is polished to a satin finish. Rods are available in 1/2" and 3/4" diameter and a variety of lengths.

AAP155-024 3/4" dia. x 24" Horizontal Rod

AAP155-036 3/4" dia. x 36" Horizontal Rod

AAP155-039 3/4" dia. x 39" Horizontal Rod

AAP155-048 3/4" dia. x 48" Horizontal Rod

AAP145-024 1/2" dia. x 24" Horizontal Rod

AAP145-036 1/2" dia. x 36" Horizontal Rod

AAP145-039 1/2" dia. x 39" Horizontal Rod

AAP145-048 1/2" dia. x 48" Horizontal Rod



Vertical Rods

3/4" diameter vertical rods are machined with the top end rounded and the bottom end tapered to fit into a rod socket. 1/2" diameter vertical rods are machined with the top end rounded and the bottom end threaded. 1/2" rods may be used either with a threaded socket or with the AAP120 tapered adaptor and a tapered socket.

AAP110-024 3/4" dia. x 24" Vertical Rod

AAP110-036 3/4" dia. x 36" Vertical Rod

AAP110-039 3/4" dia. x 39" Vertical Rod

AAP110-048 3/4" dia. x 48" Vertical Rod

AAP125-024 1/2" dia. x 24" Vertical Rod

AAP125-036 1/2" dia. x 36" Vertical Rod

AAP125-039 1/2" dia. x 39" Vertical Rod

AAP125-048 1/2" dia. x 48" Vertical Rod



Clamps

Clamps are designed to hold vertical and horizontal rods perpendicular to each other. Clamps are adjustable and are furnished with set screws to secure clamp to rods. Clamps are machined from aluminum bar stock and polished to a satin finish.

AAP150 Closed Style Clamp for 3/4" Diameter Rods. Clamp has two holes perpendicular to each other.

AAP151 Closed Style Clamp for 1/2" Diameter Rods. Clamp has two holes perpendicular to each other.

AAP153 Open Style Clamp for 1/2" Diameter Rods. Clamp has hole for vertical rod and slot for horizontal rod.



Rod Sockets

AAP100 Aluminum rod socket with tapered bore and flat top for recess mounting in countertop.

AAP101 Aluminum rod socket with tapered bore and radiused top for surface mounting on countertop.

AAP103 Aluminum rod socket with 1/2" female thread and flat top for recessed mounting in countertop.

AAP104 Aluminum rod socket with 1/2" female thread and radiused top for surface mounting on countertop.

LATTICE ROD ASSEMBLIES



LOC Scientific offers a complete line of components for lattice rod assemblies. A wide variety of assemblies for installation on bench tops and in fume hoods may be constructed using these components. Components are available in a choice of materials, as follows:

Aluminum. All components are machined from solid aluminum bar stock and polished to a satin (brushed) finish.

Plastic. Flanges and clamps are molded in black nylon for strength and chemical resistance. Rods are fabricated in white fiberglass.

Stainless Steel. Stainless steel components offer superior strength and corrosion resistance for even the most demanding applications. All components are machined from Type 316 stainless steel bar stock and polished to a satin finish. The rods listed below are representative of the most commonly used sizes. Rods can be fabricated in any length up to 120".

	Aluminum	Plastic	Stainless Steel
Flanges			
Flange with Set Screw for 1/2" Plain Rod	AAP158	PAP158	SAP158
Flange with Thread for 1/2" Threaded Rod	AAP158A		SAP158A
Threaded Rods			
Note: Threaded rods are typically used for vertical members and as tie rods to secure a lattice assembly to a fume hood wall			
1/2" dia. x 8" Threaded Rod	AAP125-08		SAP125-08
1/2" dia. x 10" Threaded Rod	AAP125-10		SAP125-10
1/2" dia. x 12" Threaded Rod	AAP125-12		SAP125-12
1/2" dia. x 18" Threaded Rod	AAP125-18		SAP125-18
1/2" dia. x 24" Threaded Rod	AAP125-24		SAP125-24
1/2" dia. x 36" Threaded Rod	AAP125-36		SAP125-36
Rounded End Rods			
Note: Plain end rods are typically used for vertical and horizontal members			
1/2" dia. x 5" Threaded Rod	AAP145-05	PAP145-05	SAP145-05
1/2" dia. x 8" Threaded Rod	AAP145-08	PAP145-08	SAP145-08
1/2" dia. x 12" Threaded Rod	AAP145-12	PAP145-12	SAP145-12
1/2" dia. x 24" Threaded Rod	AAP145-24	PAP145-24	SAP145-24
1/2" dia. x 36" Threaded Rod	AAP145-36	PAP145-36	SAP145-36
1/2" dia. x 48" Threaded Rod	AAP145-48	PAP145-48	SAP145-48
1/2" dia. x 60" Threaded Rod	AAP145-60	PAP145-60	SAP145-60
1/2" dia. x 72" Threaded Rod	AAP145-72	PAP145-72	SAP145-72
Clamps			
Closed style clamps have two 1/2" dia. holes that are perpendicular to each other. They are typically used for securing a lattice rod assembly to a fume hood wall. Open style clamps have one 1/2" dia. hole and an open slot that is perpendicular to it. These clamps are typically used to connect vertical and horizontal rods.			
Closed Style Clamp	AAP151	PAP151	SAP151
Open Style Clamp	AAP153	PAP153	SAP153

LOC Scientific goosenecks are fabricated of 3/8" IPS heavy wall brass tubing for maximum strength and durability. Rigid goosenecks have a 3/8" NPT male inlet to thread directly into the top of the faucet body. Swing goosenecks have a Teflon packing with an adjustable packing nut.

The packing nut has a 1"-22 thread to fit into faucet bodies machined

with a mating female thread. Rigid/swing goosenecks have a union style construction for field conversion from rigid to swing and vice versa.

Goosenecks are offered with integral vacuum breakers to prevent backflow. Vacuum breakers have an ultra light float cup to prevent spillage under extreme low flow conditions.



Rigid Gooseneck		Spread	Height	Clearance
RG6	6" Rigid Gooseneck	6"	8"	3-7/8"
RG8	8" Rigid Gooseneck	8"	8-7/8"	3-7/8"
RG9	9" Rigid Gooseneck	9"	8-7/8"	4-3/4"
RG10	10" Rigid Gooseneck	10"	8-7/8"	4-3/4"
RG12	12" Rigid Gooseneck	12"	8-7/8"	4-3/4"
RG6VB	6" Rigid Vacuum Breaker Gooseneck	6"	7-3/4"	4-1/8"
RG8VB	8" Rigid Vacuum Breaker Gooseneck	8"	7-3/4"	4-1/8"
RG9VB	9" Rigid Vacuum Breaker Gooseneck	9"	7-3/4"	4-1/8"
RG10VB	10" Rigid Vacuum Breaker Gooseneck	10"	7-3/4"	4-1/8"
RG12VB	12" Rigid Vacuum Breaker Gooseneck	12"	7-3/4"	4-1/8"



Swing Gooseneck		Spread	Height	Clearance
SG6	6" Swing Gooseneck	6"	8"	3-7/8"
SG8	8" Swing Gooseneck	8"	8-7/8"	3-7/8"
SG9	9" Swing Gooseneck	9"	8-7/8"	4-3/4"
SG10	10" Swing Gooseneck	10"	8-7/8"	4-3/4"
SG12	12" Swing Gooseneck	12"	8-7/8"	4-3/4"
SG6VB	6" Swing Vacuum Breaker Gooseneck	6"	7-3/4"	4-1/8"
SG8VB	8" Swing Vacuum Breaker Gooseneck	8"	7-3/4"	4-1/8"
SG9VB	9" Swing Vacuum Breaker Gooseneck	9"	7-3/4"	4-1/8"
SG10VB	10" Swing Vacuum Breaker Gooseneck	10"	7-3/4"	4-1/8"
SG12VB	12" Swing Vacuum Breaker Gooseneck	12"	7-3/4"	4-1/8"



Rigid/Swing Gooseneck		Spread	Height	Clearance
RS6	6" Rigid/Swing Gooseneck	6"	8"	3-7/8"
RS8	8" Rigid/Swing Gooseneck	8"	8-7/8"	3-7/8"
RS9	9" Rigid/Swing Gooseneck	9"	8-7/8"	4-3/4"
RS10	10" Rigid/Swing Gooseneck	10"	8-7/8"	4-3/4"
RS12	12" Rigid/Swing Gooseneck	12"	8-7/8"	4-3/4"
RS6VB	6" Rigid/Swing Vacuum Breaker Gooseneck	6"	7-3/4"	4-1/8"
RS8VB	8" Rigid/Swing Vacuum Breaker Gooseneck	8"	7-3/4"	4-1/8"
RS9VB	9" Rigid/Swing Vacuum Breaker Gooseneck	9"	7-3/4"	4-1/8"
RS10VB	10" Rigid/Swing Vacuum Breaker Gooseneck	10"	7-3/4"	4-1/8"
RS12VB	12" Rigid/Swing Vacuum Breaker Gooseneck	12"	7-3/4"	4-1/8"

ACCESSORIES AND COMPONENTS



81131 Deck mounted turret base. 3/8" NPT female inlet, single 3/8" NPT female outlet.

81132A Same as above except with two outlets at 90 degrees.

81132S Same as above except with two outlets at 180 degrees.

81134 Same as above except with four outlets.



81176 Deck mounted tall turret base. 6" GAH. 3/8" NPT female inlet, single 3/8" NPT female outlet.

81176-2S Same as above except with two outlets at 180 degrees.



81177 Deck mounted double tier turret base. 6" GAH. 3/8" NPT female inlet, two 3/8" NPT female outlets on single side.

81177-2S Same as above except with four outlets on two sides at 180 degrees.



81141 Panel mounted wye fitting. 3/8" NPT female inlet, two 3/8" NPT female outlets at 90 degrees.

81141A Same as above except with single outlet.



81141FT Panel mounted wye fitting with floating escutcheon. 3/8" NPT female inlet, two 3/8" NPT female outlets at 90 degrees. Furnished with threaded escutcheon.



81143 Pipe mounted wye fitting. 3/8" NPT female inlet, two 3/8" NPT female outlets at 90 degrees.



81158 Panel mounted flange. 3/8" NPT female inlet and outlet.

81159 Same as above except with 1/2" NPT female inlet and outlet.



B1225 Threaded escutcheon. 3/8" IPS female thread.



81325 Threaded Escutcheon. 1"-18 UNS female thread.



81136-02-08R 3/8" IPS mounting shank with locknut and washer. 3/8" IPS x 2 1/2" GAL.

81136-03-08R Same as above except 3 1/2" GAL.

81136-04R Same as above except 4" GAL.



81137-02-08R 1/2" IPS mounting shank with locknut and washer. 1/2" IPS x 2 1/2" GAL.

B1137-03-08R Same as above except 3 1/2" GAL.



81085AS Inlet Fitting Assembly. 3/8" NPT female adaptor with 1/4" IPS tailpiece and coupling nut.

B1086AS Same as above except with 1/2" NPT female adaptor.

Outlet Fittings



B0140S Straight ten serration hose end. 3/8" NPS male inlet.

B0140T Same as above except with 3/8" NPT male inlet.



B0142 Angle ten serration hose end. 3/8" NPT male inlet.

B0142-1/4 Same as above except with 1/4" NPT male inlet.



B01275 Aspirator. 3/8" NPS male inlet.

B0125 Splash eliminator for use with 80127S aspirator.



B0055 Aerator 3/8" NPS male inlet.

B0055FC Same as above except with internal flow control. Specify flow rate in GPM when ordering.

B0055VR Same as above except vandal resistant.



B0188 Quick connect fitting. 3/8" NPT male inlet, 1/4" NPT male outlet.

B0189 Same as above except with 1/4" NPT male inlet.

Vacuum Breakers



L100 Atmospheric vacuum breaker. 3/8" NPT female inlet and outlet.

L101 Same as above except with 1/2" NPT female inlet and outlet.



L108 Dual check backflow preventer. For continuous pressure applications. 3/8" NPT female inlet and outlet.



L110 Dual check vacuum breaker. 3/8" NPS male inlet, 3/8" NPT female outlet.



L102 Atmospheric vacuum breaker for panel or wall mounting. 1/2" NPT female inlet and outlet.

L102WSA Same as above except with 1/2" IPS mounting shanks, locknuts and washers.



L112 Atmospheric vacuum breaker for panel or wall mounting. 3/8" NPT female inlet and outlet.

L112WSA Same as above except with 3/8" IPS mounting shanks, locknuts and washers.

LABORATORY SAFETY EQUIPMENT

The emergency eye wash and shower units shown here are representative of the hundreds of models available.

Please contact LOC Scientific for more information on these additional models.



B0055
EyeSafe Faucet Mounted Eye Wash



EW1022
Eye Wash/Drench Hose, Deck Mounted



EW814
Eye Wash, Wall Mounted



EW849
Eye Wash, Deck Mounted
Swing Down "Auto Flow"



ESBF670
Recessed Emergency Shower,
Barrier Free



ESBF670
Recessed Emergency Shower,
Barrier Free



SS902
Safety Station with Eyewash,
Stainless Steel Bowl