



WaterSaver

INNOVATIVE PRODUCTS FOR RESEARCH



ColorTech BT Laboratory Service Fittings



As the new millennium continues, WaterSaver Faucet Co. celebrates sixty-five years of service to the laboratory industry. From humble origins, we have grown to become the largest worldwide manufacturer of taps, valves, safety equipment and related products for laboratory use. Quality, innovation and service have been our hallmarks.

All WaterSaver products are manufactured in Chicago, Illinois USA in two state-of-the-art manufacturing plants. Both WaterSaver facilities are certified by the U.S. Green Building Council under the "Leadership in Energy and Environmental Design" (LEED) program for environmental sustainability and energy efficiency.

This ColorTech BT laboratory service fitting catalog (CTBT-LSF013) presents an overview of our ColorTech BT product line. The models shown here are representative of the over 1,000 products in this product range. For further information, please refer to a ColorTech BT engineering catalog (CTBT-EC013), visit our website (wsflab.com), or consult with our offices in Chicago, Mexico, England and Singapore.

All WaterSaver products are designed and manufactured to meet or exceed industry standards, including Scientific Equipment and Furniture Association standard SEFA 7-2007 "Recommended Practice for Fixtures."

We owe our success to the contributions of dedicated employees and the loyalty of our customers. For over half a century, we have devoted ourselves to fulfilling the confidence placed in us by those who buy and use our products. We are dedicated to continuing that tradition for generations to come.

A handwritten signature in black ink that reads "Steven Kersten".

Steven A. Kersten
President

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Finishes

WaterSaver ColorTech BT laboratory service fittings are furnished with a white powder coated finish as standard. However, WaterSaver offers a range of additional optional finishes to meet the requirements of every laboratory environment. The choice of finish depends upon the particular “look and feel” desired for the laboratory installation. Listed below are the additional finishes available on these products:



Gray Powder Coated Finish (GRY)



Polished Chrome Finish with Clear Epoxy Coating (PCL)

In many lab environments, a polished chrome plated finish provides an attractive alternative to powder coated finishes. Individual components are polished and buffed to a smooth surface, then electroplated with one layer of nickel and one layer of chrome. Following plating, components are coated with a clear epoxy coating. The clear coating provides the fittings with enhanced chemical resistance and ensures durability.



Satin Chrome Finish with Clear Epoxy Coating (SCC)

Powder coated and polished chrome finishes tend to show fingerprints, watermarks, dust and dirt. In a typical laboratory, few people will take the time to clean the fittings to preserve their appearance. As a result, the fittings can become unsightly very quickly.

WaterSaver offers two satin (brushed) finishes with clear epoxy coating that address this concern. Satin chrome fittings with clear epoxy coating have a silver/blue hue that is similar to the appearance of stainless steel. Offering superior chemical resistance due to the epoxy coating, these fittings will not show fingerprints, watermarks or smudges. The fittings will enhance the appearance of the lab environment.



Satin Nickel Finish with Clear Epoxy Coating (SNC)

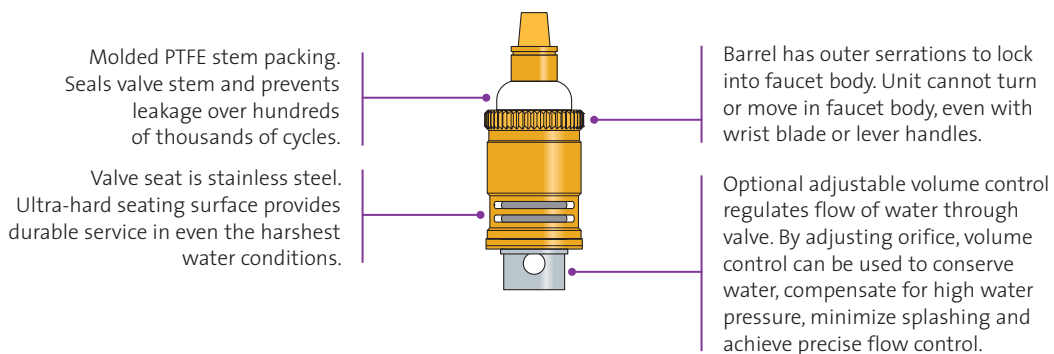
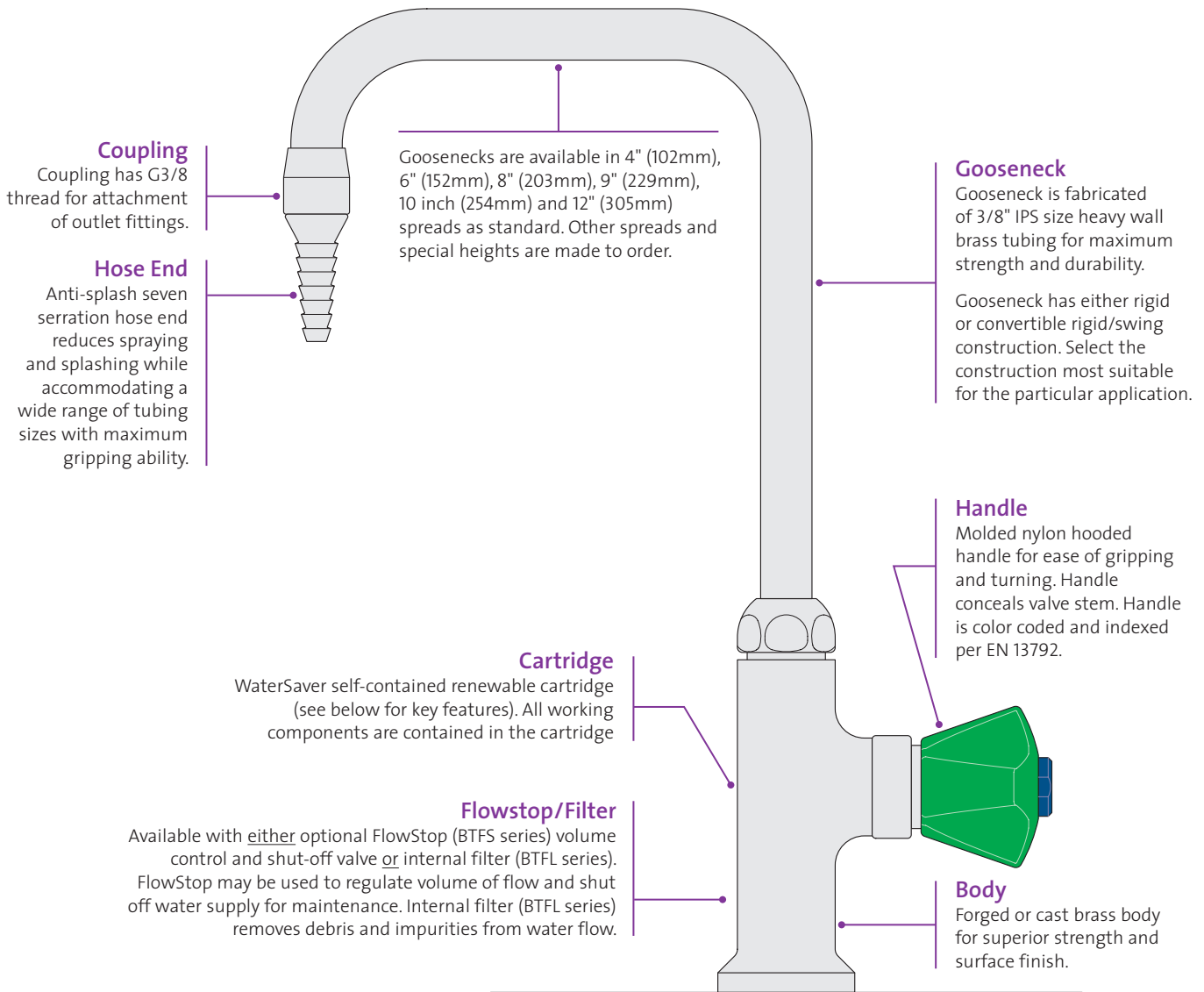
Fittings with a satin nickel finish with clear epoxy coating address the concerns noted above regarding fingerprints, watermarks, etc. The satin nickel finish has a slight yellow hue that is almost indistinguishable from stainless steel.

Note: Fittings with white powder coated finish are available at published prices and are stocked at WaterSaver locations in the U.S., England and Singapore. Products with optional finishes must be factory ordered and thus may have longer lead times. In addition, these products may command an upcharge in price, so pricing should be confirmed at time of order.

Water Fitting Construction

WaterSaver ColorTech BT water fittings utilize an interchangeable renewable unit cartridge which incorporates a replaceable stainless steel seat. Fittings are certified by (i) CSA International to meet the requirements of ANSI/ASME A112.18.1M and CAN/CSA B.125.M89, and (ii) the Water Regulations Advisory Scheme (WRAS) of Great Britain under EN 200.

Features of WaterSaver water fittings include:



Renewable Units for Water Fittings

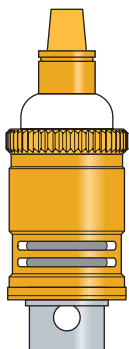
WaterSaver water fittings are available with a choice of three valve cartridges. All three cartridges are dimensionally identical and therefore totally interchangeable.

All cartridges are completely self-contained and include all working components of the valve mechanism. No wearing components are separate from the valve unit. The faucet body itself is thus not subject to wear, making it virtually everlasting. Replacement of the cartridge instantly produces a “new” tap or valve.



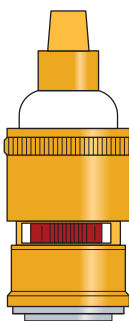
Compression Unit (BT Series)

- Cartridge has outer serrations to lock into faucet body. Unit cannot turn or move in faucet body, even with wrist blade handles.
- Molded PTFE stem packing seals valve stem. Packing prevents leakage over hundreds of thousands of cycles. Adjustable packing nut permits take-up of wear.
- Valve seat is stainless steel. Ultra-hard seating surface provides durable service in even the harshest water conditions. Seat will outperform brass or other materials.
- Hard synthetic rubber valve disc provides positive shut-off of water flow. Valve does not have “spongy” feel.
- Manual and self-closing valve units are interchangeable. Field conversion can be accomplished in seconds.



Compression Unit with Adjustable Volume Control (BTA Series)

- Same construction features as compression unit (stainless steel seat, PTFE stem packing, etc.).
- Adjustable volume control can be adjusted to regulate size of inlet port of valve. Volume control may be used to compensate for high water pressure and conserve water.



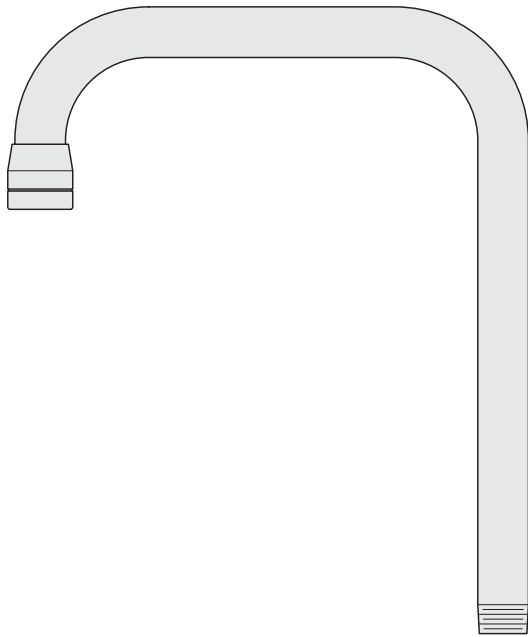
Ceramic Disc Unit (BTC Series)

- Rotating ceramic discs control flow of water. Discs are ultra-hard and self-lubricating for durable service.
- 180 degree rotation from closed to open to permit metering of flow. Available with optional 90 degree rotation for use with wrist blade handles.
- Wear-resistant thrust washer is low friction for smooth opening and closing of valve.
- Internal baffles reduce noise as water flows through valve.

Goosenecks for Water Fittings

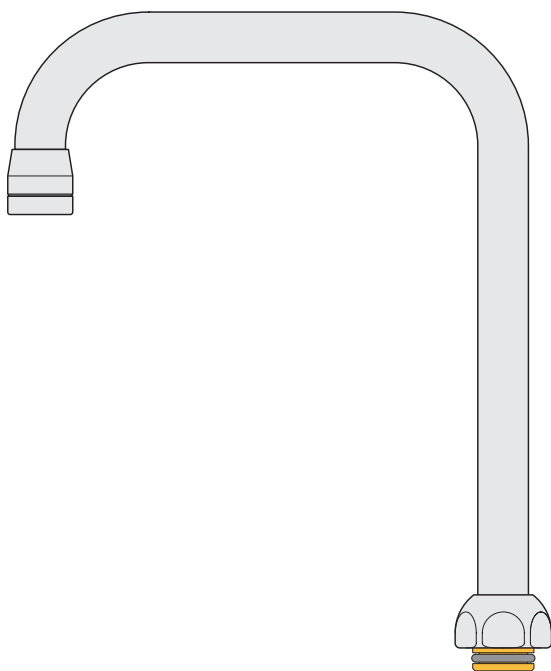
WaterSaver gooseneck water fittings are available with a choice of two types of gooseneck construction. Each type of construction has its own advantages; lab designers and users can thus choose the type of gooseneck best suited to their particular application.

Goosenecks are fabricated of heavy wall brass tubing, with a minimum wall thickness of .085" (2.2mm). Goosenecks will therefore resist bending and stand up to even the most demanding lab conditions.



Rigid Construction (RG Series)

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



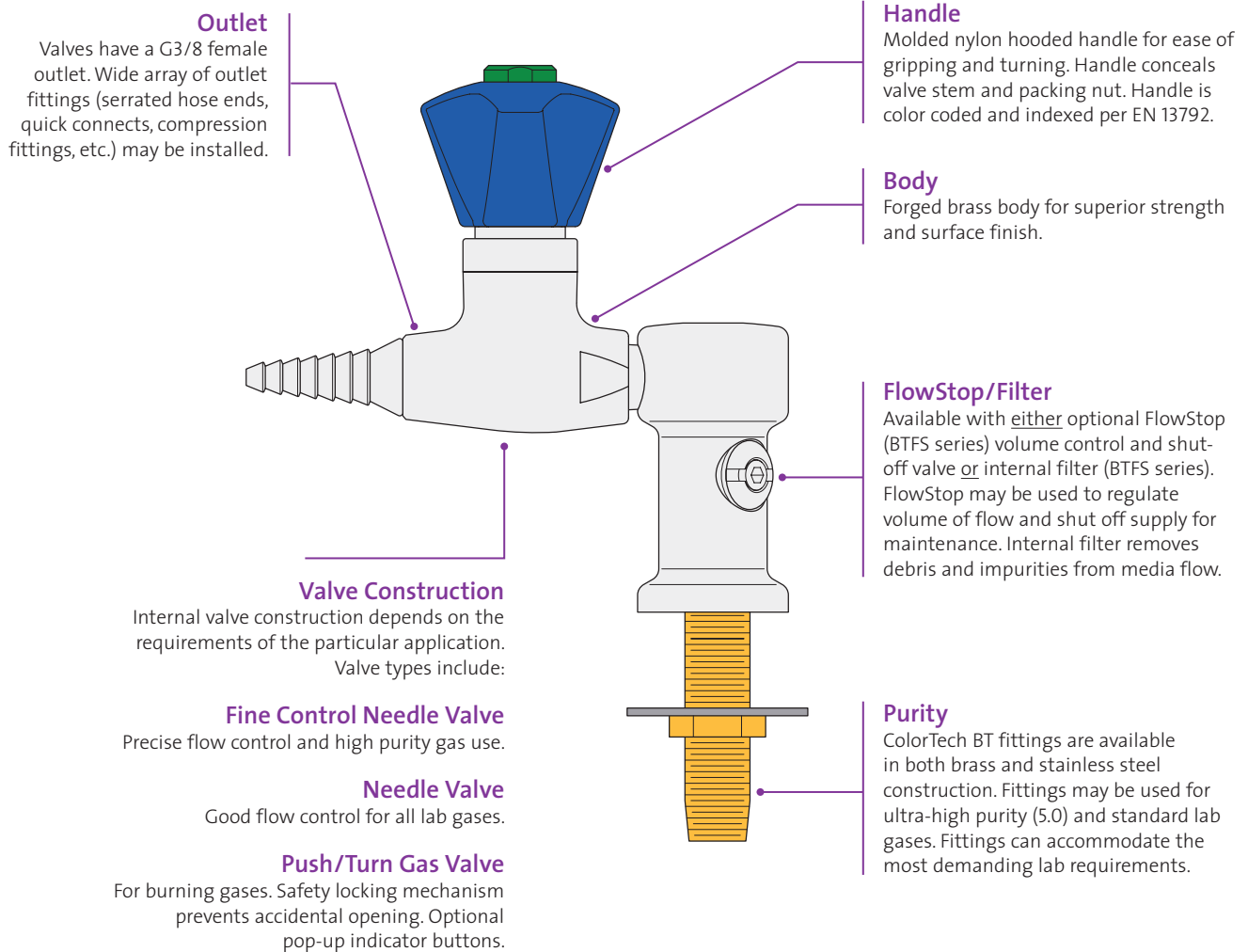
Rigid/Swing Construction (RS Series)

- Gooseneck has union-style construction with union nut and two O ring seals.
- Taps with rigid/swing goosenecks may be installed in the field in 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. Taps 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.

Valves for Laboratory Gases

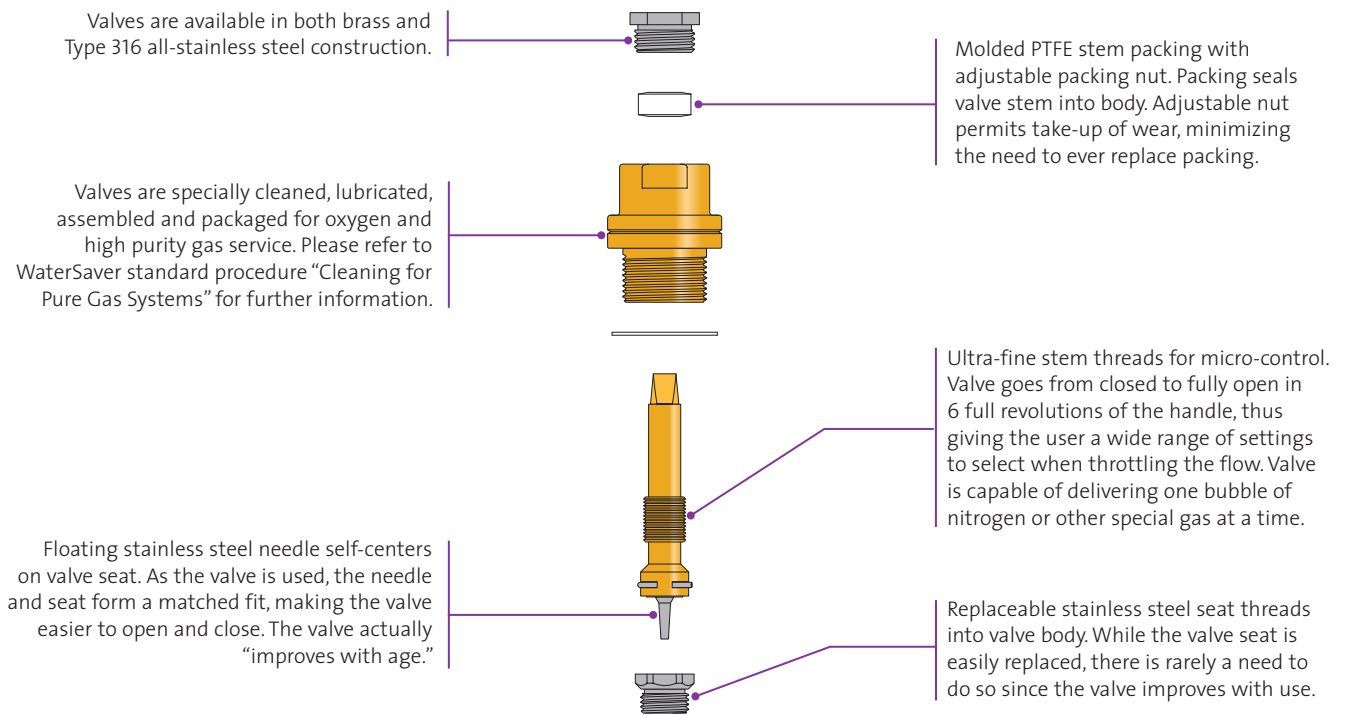
The ColorTech BT product range incorporates a wide variety of valves for laboratory gas services. Lab planners and users can select the valve best suited for any particular application.

Key features and options of these valves are as follows:

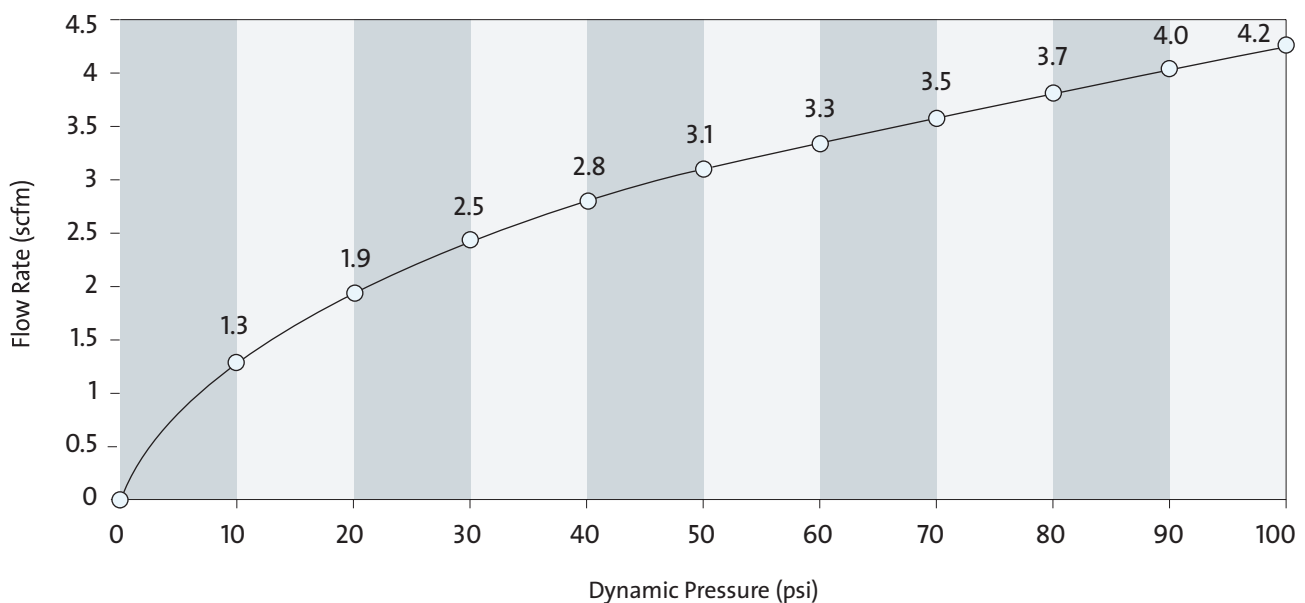


Fine Control Needle Valves

Fine control needle valves provide precise flow control of all laboratory gases. They are used where precision metering of flow and higher working pressures are involved. Valves are individually tested at 375 PSI nitrogen pressure and are rated for use at working pressures up to 250 PSI. Features of these valves include:



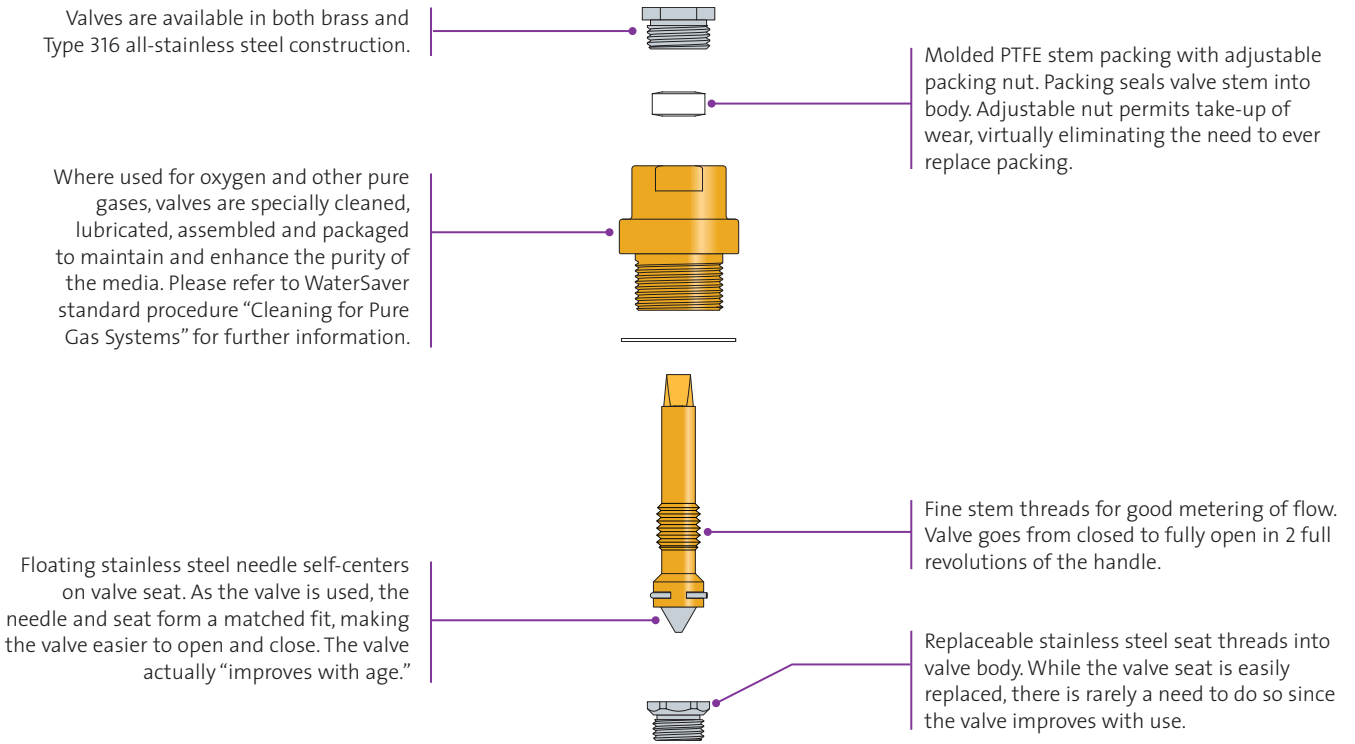
Fine Control Needle Valve Flow Chart



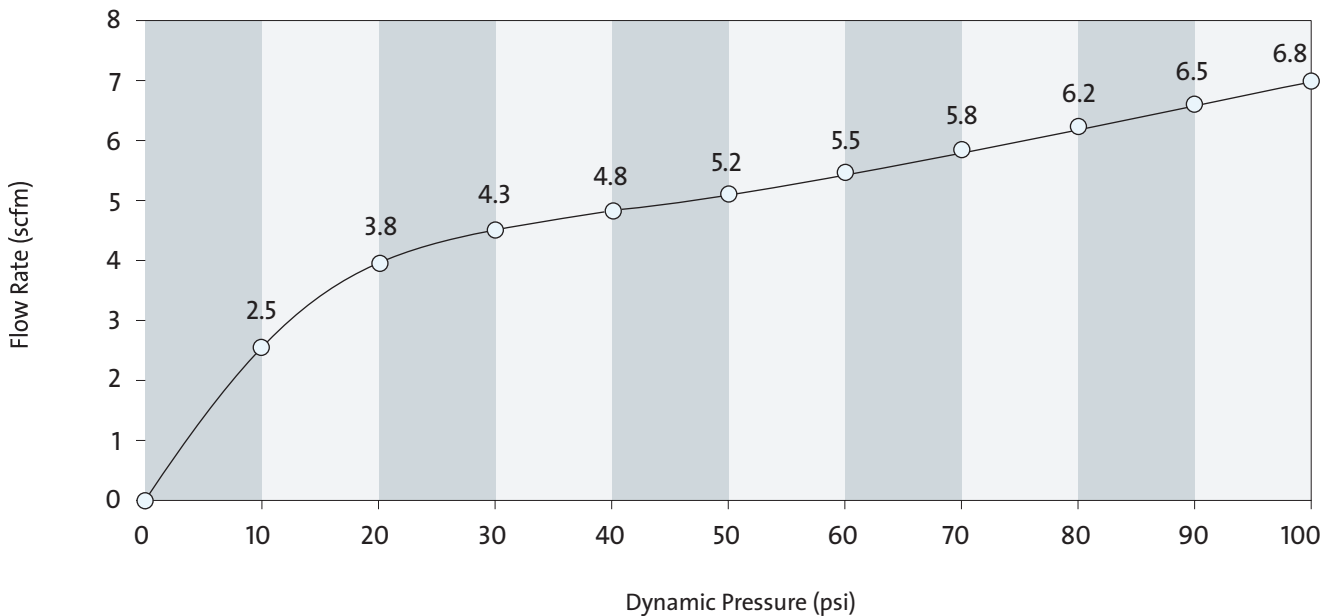
Note: Flow rate is based upon valve with serrated hose end installed. Flow rate may vary if other type of outlet fitting (e.g. quick connect, compression fitting, etc.) is installed.

Needle Valves

Standard needle valves provide excellent flow control of all laboratory gases. They are the most versatile and widely used WaterSaver valve, well suited for almost every laboratory application. Valves are certified by CSA International to comply with ANSI Z21.15 and CGA 9.1 for use on natural gas systems at pressures up to 1/2 PSI. Valves are individually tested at 250 PSI nitrogen pressure and are rated for use at working pressures up to 150 PSI. Features of these valves include:



Needle Valve Flow Chart



Note: Flow rate is based upon valve with serrated hose end installed. Flow rate may vary if other type of outlet fitting (e.g. quick connect, compression fitting, etc.) is installed.

Valve Selection Guide

WaterSaver Faucet Co. 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, and WaterSaver 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	Push/Turn Valve
Models	BT2870, BT3170, BT4870, BT5170, BT62870, etc.	BT2880, BT3180, BT4880, BT5180, BT62880, etc.	BT2860, BT3160, BT4860, BT5160, etc.
Construction	Needle Point	Needle Point	Ceramic Disc
Control	Precise Metering	Good Metering	On/Off
Body Material	Brass or St Steel	Brass or St Steel	Brass
Handle	Hooded Nylon	Hooded Nylon	Hooded Nylon or Metal
Test Pressure/Media	375 PSI/Nit	250 PSI/Nit	125 PSI/Air
Maximum Working Pressure	250 PSI	150 PSI	75 PSI
CSA Certified for Natural Gas	No	Yes	Yes
Use with Pressure Regulator	Yes	No	No
Cleaned for High Purity Gas	Standard	When Ordered	No

Gas Compatibility by Service (Symbol):

Air	Yes	Yes	No
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	No
Butane	Yes	Yes	Yes
Carbon Dioxide	Yes	Yes	No
Carbon Monoxide	Yes	Yes	No
Compressed Air	Yes	Yes	No
Cylinder Gas (Note 1)	Yes	Yes	No
Natural Gas	Yes	Yes	Yes
Helium	Yes	Yes	No
High Vacuum	Yes	Yes	No
Hydrogen	Yes	Yes (Specially Clean)	No
Low Vacuum	Yes	Yes	No
Methane	Yes	Yes	Yes
Nitrogen	Yes	Yes	No
Oxygen	Yes	Yes (Specially Clean)	No
Propane	Yes	Yes	Yes
Special Gas (Note 1)	Yes	Yes	No
Steam (Note 2)	No	No	No
Vacuum	Yes	Yes	No

Notes:

1. For gases not specifically listed here, please refer to the WaterSaver website (wsflab.com).
2. Steam service requires a valve with specialized internal construction only. Refer to a WaterSaver ColorTech BT Engineering Catalog or the WaterSaver website (wsflab.com) for information.

Color Coding and Indexing

Except for water taps with wrist blade handles, ColorTech BT fittings are furnished with handles that are color coded and indexed per EN 13792 “Colour Coding of Taps and Valves for Use in Laboratories.” Wrist blade handles are finished in the same color as the tap body. The index disc color matches the “Disc Color” shown below.

Set forth below is a list of services, handle colors and index symbols prescribed by EN 13792:

Water	Symbol	Handle Color	Ring Color	Disc Color
Cooling tower/sprinkling water	WCS	Green	Green	Yellow
Potable water, hot	WPH	Green	Green	Red
Potable water, cold	WPC	Green	Green	Blue
Spring water	WSP	Green	Yellow	Yellow
Non-potable water, hot	WNH	Green	Yellow	Red
Non-potable water, cold	WNC	Green	Yellow	Blue
Steam	WST	Green	Red	Red
Condensate	WCO	Green	Red	Blue
Super-clean water, hot	WCH	Green	Red	White
Super-clean water, cold	WCC	Green	Blue	White
Coolant water return	WCR	Green	Blue	Red
Coolant water feed	WCF	Green	Blue	Blue
Surface water, hot	WSH	Green	Black	Red
Surface water, cold	WSC	Green	Black	Blue
Deionised water, hot	WDH	Green	Gray	Red
Deionised water, cold	WDC	Green	Gray	Blue
River water, hot	WRH	Green	White	Red
River water, cold	WRC	Green	White	Blue
Distilled water	WDI	Green	White	White

Flammable Gaseous Hydrocarbons	Symbol	Handle Color	Ring Color	Disc Color
Natural gas	G	Yellow	Yellow	Yellow
Propane/butane (liquefied gases)	LPG	Yellow	Red	Yellow
Methane	CH ₄	Yellow	Blue	Yellow
Propane	C ₃ H ₈	Yellow	Blue	Red
Butane	C ₄ H ₁₀	Yellow	Blue	Blue
Ethene	C ₂ H ₄	Yellow	Black	Green
Propene	C ₃ H ₆	Yellow	Black	Red
Butene	C ₄ H ₈	Yellow	Black	Blue
Acetylene	C ₂ H ₂	Yellow	White	Green

Other Combustible Gases and Gas Mixtures	Symbol	Handle Color	Ring Color	Disc Color
Argon/methane	AR/CH ₄	Red	Yellow	Gray
Hydrogen/nitrogen	H ₂ /N ₂	Red	Red	Green
Hydrogen	H ₂ /N ₂	Red	Red	Red
Silane	SiH ₄	Red	Red	Black
Hydrogen/helium	H ₂ /He	Red	Red	Gray
Deuterium	D ₂	Red	Red	White

Non-Flammable Gases, including Combustion-Enhancing Gases	Symbol	Handle Color	Ring Color	Disc Color
Nitrogen	N ₂	Blue	Green	Green
Dinitrogen monoxide	N ₂ O	Blue	Green	Blue
Air, synthetic, 80/20	SA	Blue	Blue	Green
Compressed air	CA	Blue	Blue	Yellow
Oxygen	O ₂	Blue	Blue	Blue
Carbon dioxide	CO ₂	Blue	Blue	Black
Regulated air	RA	Blue	Blue	Gray
Breathing air	BA	Blue	Blue	White
Carbogen (CO ₂ + O ₂)	CB	Blue	Black	Blue
Krypton	Kr	Blue	Gray	Yellow
Xenon	Xe	Blue	Gray	Red
Neon	Ne	Blue	Gray	Black
Argon	Ar	Blue	Gray	Gray
Helium	He	Blue	Gray	White

Toxic Gases	Symbol	Handle Color	Ring Color	Disc Color
Ammonia	NH ₃	Black	Green	Red
Nitrogen dioxide	NO ₂	Black	Green	Blue
Nitrogen monoxide	NO	Black	Green	Black
Hydrogen sulphide	H ₂ S	Black	Red	Yellow
Arsine	AsH ₃	Black	Red	Black
Phosphine	PH ₃	Black	Red	Gray
Hydrogen chloride	HCl	Black	Red	White
Sulphur dioxide	SO ₂	Black	Blue	Yellow
Carbon monoxide	CO	Black	Blue	Black
Phosgene	COCl ₂	Black	Black	White
Chlorine	Cl ₂	Black	White	White

Vacuum	Symbol	Handle Color	Ring Color	Disc Color
Low vacuum (1000 - 1mbar)	V	Gray	Gray	Black
Fine vacuum	VF	Gray	Gray	Gray
High vacuum	VH	Gray	Gray	White

Miscellaneous	Symbol	Handle Color	Ring Color	Disc Color
Formaldehyde solution	CH ₂ O	White	Red	Green
Propanol	C ₃ H ₈ O	White	Red	Yellow
Methanol	CH ₄ O	White	Red	Blue
Acetone	C ₃ H ₆ O	White	Red	Gray
Trichloroethylene	C ₂ HCl ₃	White	Red	White
Perchloric acid	HClO ₄	White	White	Red

Color Coding and Indexing

Water



Potable Water, Hot



Potable Water, Cold



Non-Potable Water, Hot



Non-Potable Water, Cold



Coolant Water Return



Coolant Water Feed

Pure Water



Super-Clean Water, Hot



Super-Clean Water, Cold



Deionised Water, Hot



Deionised Water, Cold



Distilled Water

Flammable Gaseous Hydrocarbons



Natural Gas



Methane



Propane



Butane



Acetylene

Non-Flammable Gases (Including Combustion-Enhancing Gases)



Air, Synthetic, 80/20



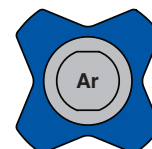
Air, Breathing



Air, Compressed



Air, Regulated



Argon



Carbogen (CO₂ + O₂)



Carbon Dioxide



Helium

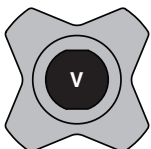


Nitrogen

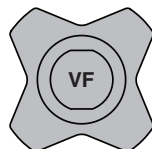


Oxygen

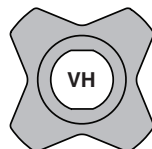
Vacuum



Low Vacuum



Fine Vacuum

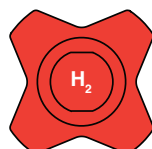


High Vacuum

Other Services



Ammonia



Hydrogen



Hydrogen/Helium



Hydrogen/Nitrogen



Steam

Design and Installation Guidelines

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 fittings and safety equipment. Pipe sizing is also affected by the number of valves or outlets installed on a run. However, typical piping standards for single fittings 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	1/2"
Distilled, Deionized and Purified Water	PVC/Polypropylene/PVDF	1/2"
Emergency Showers	Copper	1"
Eye, Eye/Face Wash and Drench Hose Units	Copper	1/2"
Safety Stations	Copper	1-1/4"

Inlet Shanks/Hole Sizing

WaterSaver fittings are furnished with standard size inlet shanks to penetrate the bench or wall surface. Minimum hole sizes for these shanks are listed below:

Inlet Shank	Minimum Hole Size
G1/2 Mounting Shank	7/8" (22mm)
1-3/16" diameter Mounting Shank (ex: BT400 series mixer taps)	1 1/4" (32mm)
1" IPS Mounting Shank (ex: BTEW1022 eyewash/drench hose unit)	1 3/8" (35mm)

Most ColorTech BT fittings are furnished with (2) locator pins in the base of the fitting to prevent the fitting from turning on the bench or panel. Therefore, in addition to providing holes for the mounting shanks, it is also necessary to provide holes for the locator pins. Please refer to a ColorTech BT engineering catalog or to the WaterSaver website for engineering drawings showing the location and size of the locator pin holes. Locator pins are threaded into the base of the fitting. Pins may therefore be removed in the field if they are not desired.

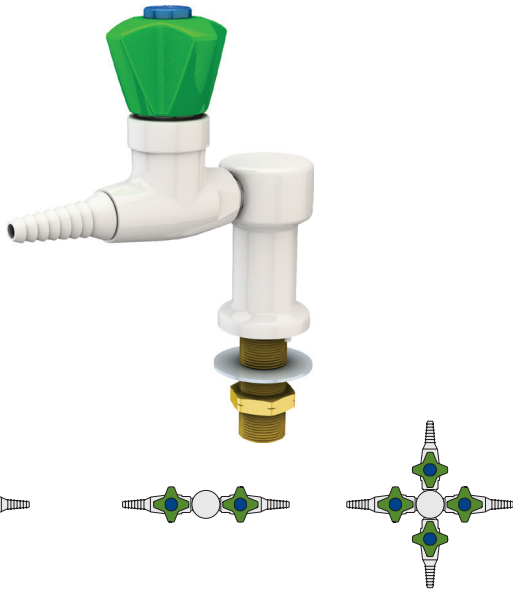
Installation Procedures

Installing WaterSaver laboratory taps, 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 taps and valves. Pipe shavings, scale, tape and other debris can be carried through a pipe and into a tap or valve when the system is activated. This debris can damage valve components and interfere with the proper operation of the tap or valve.
2. When placing a tap or valve on a laboratory countertop or wall, secure the fitting using the lockwasher and locknut provided. Tighten the locknut sufficiently to secure the fitting to the counter or wall. Do not overtighten.
3. ColorTech BT fittings are furnished with either (i) G inlet threads in accordance with ISO 228-1, or (ii) plain tube ends in metric sizes. For fittings with G inlet threads, a PTFE gasket is supplied for the inlet of the thread to be used with a mating fitting. Since a pressure-tight joint is not made on the thread, there should be no need to use pipe or thread sealant. If sealant is used, do not apply the sealant in a way that will permit it to enter into the tap or valve.
4. Observe the maximum test and working pressures for taps and valves. Testing or using a valve at pressures for which it is not designed can result in leakage or failure. Refer to the Valve Selection Guide on page 8 for information on maximum test and working pressures.
5. 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, assembled and packaged. Valves that have not been specially cleaned are not acceptable.
 - Needle valves should be used for gas services only. They are not suitable for water or steam services.
 - Push/turn valves should be used for burning gas services only. They are not recommended for use with other gases.
 - Valves for ammonia and acetylene must be stainless steel.
6. To prevent surface damage, use caution when applying a wrench or other tool to the exterior of a tap or valve.
7. Every ColorTech BT fitting is fully assembled and pressure tested at the factory. For taps, the gooseneck is installed into the tap body and the outlet fitting is installed into the outlet of the gooseneck. For valve assemblies, the valve and mounting shank are mounted in the turret base or other mounting fitting. Full assembly enables us to inspect and test the fitting as a complete assembly. Fittings are tagged when testing is complete. If a fitting is received without an inspection tag, please notify the factory.
8. Clean fittings using a soft cloth and soapy water. Do not use abrasives, detergents or other cleaners that can damage the finish on the fitting. In particular, do not use any solvent in or near a tap or valve. Solvents can dissolve the lubricants used in the valve mechanism.

BT2800-231WSA

Water Valve, Bench Mounted



BT2800-232AWSA

BT2800-232SWSA

BT2800-234WSA

Application: Laboratory water valve fitting for bench or countertop mounting.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Turret base with single outlet and removable locator pins.

Valve Body: Straight pattern forged brass.

Headwork: WaterSaver self-contained compression valve cartridge with replaceable stainless steel seat.

Handle: Molded nylon hooded style handle with index disc. Handle and index are color coded and marked per EN 13792.

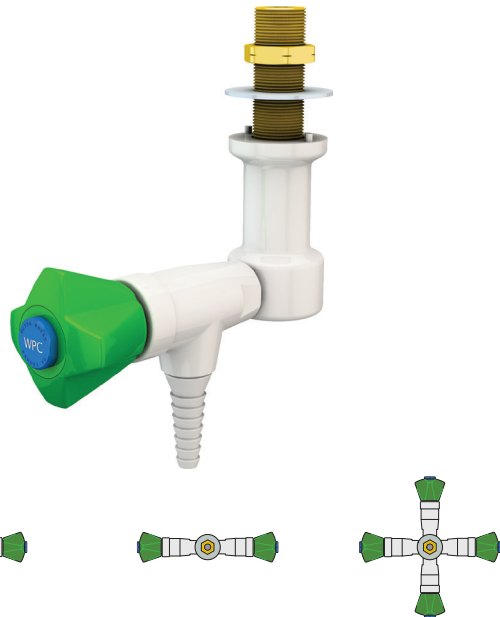
Inlet: Furnished with mounting shank, locknut and washer. G1/2 male inlet.

Outlet: G3/8 female outlet with removable anti-splash serrated hose end.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 10 bar (150 PSI) test pressure and maximum working pressure.

BT3100-231WSA

Water Valve, Overhead Mounted



BT3100-232AWSA

BT3100-232SWSA

BT3100-234WSA

Application: Laboratory water valve fitting for mounting on overhead carrier or underneath shelf.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Turret base with single outlet and removable locator pins.

Valve Body: Angle pattern forged brass.

Headwork: WaterSaver self-contained compression valve cartridge with replaceable stainless steel seat.

Handle: Molded nylon hooded style handle with index disc. Handle and index are color coded and marked per EN 13792.

Inlet: Furnished with mounting shank, locknut and washer. G1/2 male inlet.

Outlet: G3/8 female outlet with removable anti-splash serrated hose end.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 10 bar (150 PSI) test pressure and maximum working pressure.

Optional Features

Finish Options:

- Gray powder coated finish (GRY)
- Polished chrome plated finish with clear epoxy coating (PCL)
- Satin chrome plated finish with clear epoxy coating (SCC)
- Satin nickel plated finish with clear epoxy coating (SNC)

FlowStop/Filter Options:

- FlowStop volume control and shut-off valve installed in valve body (use prefix "BTFS")
- Removable filter to remove debris and impurities from water flow (use prefix "BTFL")

Headwork/Valve Options:

- Compression valve cartridge with adjustable volume control (use prefix "BTA")
- Ceramic disc valve cartridge (use prefix "BTC")
- Integral check valve to prevent backflow (add suffix "CV")

BT4800F-226WSA

Water Valve, Wall/Panel/Overhead Mounted



Application: Laboratory water valve fitting for wall or panel mounting.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Flanged inlet with removable locator pins.

Valve Body: Straight pattern forged brass.

Headwork: WaterSaver self-contained compression valve cartridge with replaceable stainless steel seat.

Handle: Molded nylon hooded style handle with index disc. Handle and index are color coded and marked per EN 13792.

Inlet: Furnished with mounting shank, locknut and washer. G1/2 male inlet.

Outlet: G3/8 female outlet with removable anti-splash serrated hose end.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 10 bar (150 PSI) test pressure and maximum working pressure.

BT5100F-226WSA

Water Valve, Wall/Panel Mounted



Application: Laboratory water valve fitting for wall or panel mounting.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Flanged inlet with removable locator pins.

Valve Body: Angle pattern forged brass.

Headwork: WaterSaver self-contained compression valve cartridge with replaceable stainless steel seat.

Handle: Molded nylon hooded style handle with index disc. Handle and index are color coded and marked per EN 13792.

Inlet: Furnished with mounting shank, locknut and washer. G1/2 male inlet.

Outlet: G3/8 female outlet with removable anti-splash serrated hose end.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 10 bar (150 PSI) test pressure and maximum working pressure.

Optional Features

Finish Options:

- Gray powder coated finish (GRY)
- Polished chrome plated finish with clear epoxy coating (PCL)
- Satin chrome plated finish with clear epoxy coating (SCC)
- Satin nickel plated finish with clear epoxy coating (SNC)

FlowStop/Filter Options:

- FlowStop volume control and shut-off valve installed in valve body (use prefix "BTFS")
- Removable filter to remove debris and impurities from water flow (use prefix "BTFL")

Headwork/Valve Options:

- Compression valve cartridge with adjustable volume control (use prefix "BTA")
- Ceramic disc valve cartridge (use prefix "BTC")
- Integral check valve to prevent backflow (add suffix "CV")

BT380

Single Water Tap, Bench Mounted



Application: Laboratory water tap for cold water.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Bench or countertop mounted with removable locator pins.

Body: Forged brass.

Headwork: WaterSaver self-contained compression valve cartridge with replaceable stainless steel seat.

Handle: Molded nylon hooded style handle with index disc. Handle and index are color coded and marked per EN 13792.

Riser: Brass riser with 6" (152mm) spread.

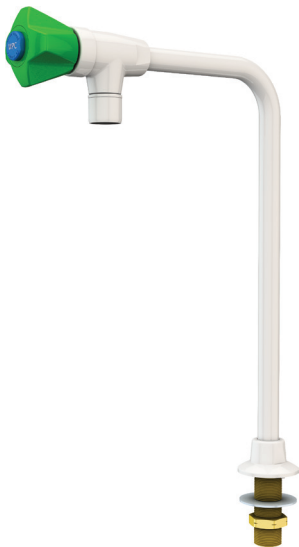
Inlet: Furnished with mounting shank, locknut and washer. G1/2 male inlet.

Outlet: G3/8 female outlet with removable anti-splash serrated hose end.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 10 bar (150 PSI) test pressure and maximum working pressure.

BT380-55

Single Water Tap, Bench Mounted



Application: Laboratory water tap for cold water.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Bench or countertop mounted with removable locator pins.

Body: Forged brass.

Headwork: WaterSaver self-contained compression valve cartridge with replaceable stainless steel seat.

Handle: Molded nylon hooded style handle with index disc. Handle and index are color coded and marked per EN 13792.

Riser: Brass riser with 6" (152mm) spread.

Inlet: Furnished with mounting shank, locknut and washer. G1/2 male inlet.

Outlet: G3/8 female outlet with removable aerator.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 10 bar (150 PSI) test pressure and maximum working pressure.

Optional Features

Finish Options:

- Gray powder coated finish (GRY)
- Polished chrome plated finish with clear epoxy coating (PCL)
- Satin chrome plated finish with clear epoxy coating (SCC)
- Satin nickel plated finish with clear epoxy coating (SNC)

FlowStop/Filter Options:

- FlowStop volume control and shut-off valve installed in valve body (use prefix "BTFS")
- Removable filter to remove debris and impurities from water flow (use prefix "BTFL")

Headwork/Valve Options:

- Compression valve cartridge with adjustable volume control (use prefix "BTA")
- Ceramic disc valve cartridge (use prefix "BTC")
- Integral check valve to prevent backflow (add suffix "CV").

Handle Option:

- Forged brass wrist blade handle in place of hooded handle (add suffix "BH")

Riser Option:

- Brass riser with 8" (203mm) spread (add suffix "-8")

Outlet Option:

- BT118 pipe interrupter fitting to prevent back-siphonage (add suffix "-118")

BT611

Single Water Tap, Bench Mounted



BT611LH BT611-180 BT611

Application: Laboratory water tap for cold water.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Bench or countertop mounted with removable locator pins.

Body: Forged brass.

Headwork: WaterSaver self-contained compression valve cartridge with replaceable stainless steel seat.

Handle: Molded nylon hooded style handle with index disc. Handle and index are color coded and marked per EN 13792.

Gooseneck: 6" (152mm) rigid gooseneck. Gooseneck is set in right hand configuration unless left hand or 180 degrees is specified.

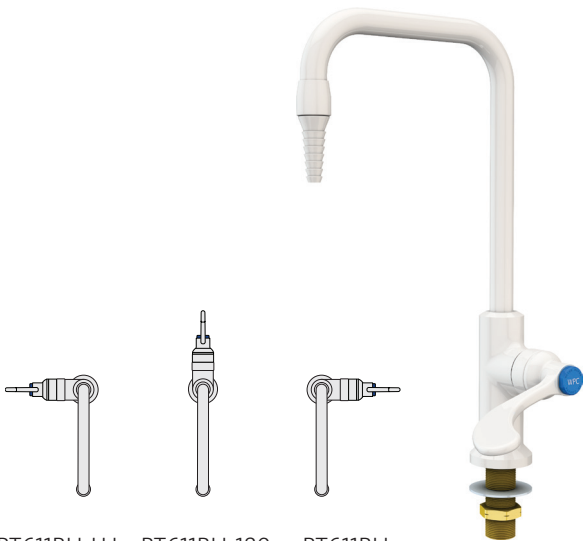
Inlet: Furnished with mounting shank, locknut and washer. G1/2 male inlet.

Outlet: G3/8 female outlet with removable anti-splash serrated hose end.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 10 bar (150 PSI) test pressure and maximum working pressure.

BT611BH

Single Water Tap, Bench Mounted, Wrist Blade Handle



BT611BH-LH BT611BH-180 BT611BH

Application: Laboratory water tap for cold water.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Bench or countertop mounted with removable locator pins.

Body: Forged brass.

Headwork: WaterSaver self-contained compression valve cartridge with replaceable stainless steel seat.

Handle: Forged brass wrist blade handle with color-coded index disc. Index disc is marked per EN 13792.

Gooseneck: 6" (152mm) rigid gooseneck. Gooseneck is set in right hand configuration unless left hand or 180 degrees is specified.

Inlet: Furnished with mounting shank, locknut and washer. G1/2 male inlet.

Outlet: G3/8 female outlet with removable anti-splash serrated hose end.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 10 bar (150 PSI) test pressure and maximum working pressure.

Optional Features

Finish Options:

- Gray powder coated finish (GRY)
- Polished chrome plated finish with clear epoxy coating (PCL)
- Satin chrome plated finish with clear epoxy coating (SCC)
- Satin nickel plated finish with clear epoxy coating (SNC)

FlowStop/Filter Option:

- FlowStop volume control and shut-off valve installed in valve body (use prefix "BTFS")
- Removable filter to remove debris and impurities from water flow (use prefix "BTFL")

Headwork/Valve Options:

- Compression valve cartridge with adjustable volume control (use prefix "BTA")
- Ceramic disc valve cartridge (use prefix "BTC")
- Integral check valve to prevent backflow (add suffix "CV")

Gooseneck Options:

- 8" (203mm) spread gooseneck (add suffix "-8")

Outlet Options:

- BO055 aerator in place of serrated hose end (add suffix "-55")
- BT118 pipe interrupter fitting to prevent back-siphonage (add suffix "-118")

BT614

Single Water Tap, Bench Mounted, Rigid/Swing Gooseneck



Application: Laboratory water tap for cold water.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Bench or countertop mounted with removable locator pins.

Body: Forged brass.

Headwork: WaterSaver self-contained compression valve cartridge with replaceable stainless steel seat.

Handle: Molded nylon hooded style handle with index disc. Handle and index are color coded and marked per EN 13792.

Gooseneck: 6" (152mm) convertible rigid/swing gooseneck.

Inlet: Furnished with mounting shank, locknut and washer. G1/2 male inlet.

Outlet: G3/8 female outlet with removable anti-splash serrated hose end.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 10 bar (150 PSI) test pressure and maximum working pressure.

BT614BH

Single Water Tap, Bench Mounted, Rigid/Swing Gooseneck, Wrist Blade Handle



Application: Laboratory water tap for cold water.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Bench or countertop mounted with removable locator pins.

Body: Forged brass.

Headwork: WaterSaver self-contained compression valve cartridge with replaceable stainless steel seat.

Handle: Forged brass wrist blade handle with color-coded index disc. Index disc is marked per EN 13792.

Gooseneck: 6" (152mm) convertible rigid/swing gooseneck.

Inlet: Furnished with mounting shank, locknut and washer. G1/2 male inlet.

Outlet: G3/8 female outlet with removable anti-splash serrated hose end.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 10 bar (150 PSI) test pressure and maximum working pressure.

Optional Features

Finish Options:

- Gray powder coated finish (GRY)
- Polished chrome plated finish with clear epoxy coating (PCL)
- Satin chrome plated finish with clear epoxy coating (SCC)
- Satin nickel plated finish with clear epoxy coating (SNC)

FlowStop/Filter Option:

- FlowStop volume control and shut-off valve installed in valve body (use prefix "BTFS")
- Removable filter to remove debris and impurities from water flow (use prefix "BTFL")

Headwork/Valve Options:

- Compression valve cartridge with adjustable volume control (use prefix "BTA")
- Ceramic disc valve cartridge (use prefix "BTC")
- Integral check valve to prevent backflow (add suffix "CV")

Gooseneck Options:

- 8" (203mm) spread gooseneck (add suffix "-8")

Outlet Options:

- BO055 aerator in place of serrated hose end (add suffix "-55")
- BT118 pipe interrupter fitting to prevent back-siphonage (add suffix "-118")

BT381

Double Water Tap, Bench Mounted



Application: Laboratory water tap with two outlets for cold water.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Bench or countertop mounted with removable locator pins.

Bodies: Forged brass.

Headworks: WaterSaver self-contained compression valve cartridges with replaceable stainless steel seats.

Handles: Molded nylon hooded style handles with index discs. Handles and indexes are color coded and marked per EN 13792.

Riser: Brass riser with 6" (152mm) spread to each valve.

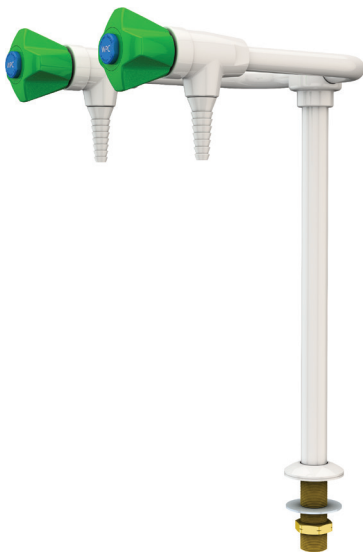
Inlet: Furnished with mounting shank, locknut and washer. G1/2 male inlet.

Outlets: G3/8 female outlets with removable anti-splash serrated hose ends.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 10 bar (150 PSI) test pressure and maximum working pressure.

BT382

Double Water Tap, Bench Mounted



Application: Laboratory water tap with two outlets for cold water.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Bench or countertop mounted with removable locator pins.

Bodies: Forged brass.

Headworks: WaterSaver self-contained compression valve cartridges with replaceable stainless steel seats.

Handles: Molded nylon hooded style handles with index discs. Handles and indexes are color coded and marked per EN 13792.

Riser: Brass riser with 6" (152mm) spread to each valve.

Inlet: Furnished with mounting shank, locknut and washer. G1/2 male inlet.

Outlets: G3/8 female outlets with removable anti-splash serrated hose ends.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 10 bar (150 PSI) test pressure and maximum working pressure.

Optional Features

Finish Options:

- Gray powder coated finish (GRY)
- Polished chrome plated finish with clear epoxy coating (PCL)
- Satin chrome plated finish with clear epoxy coating (SCC)
- Satin nickel plated finish with clear epoxy coating (SNC)

FlowStop/Filter Option:

- FlowStop volume control and shut-off valve installed in valve body (use prefix "BTFS")
- Removable filter to remove debris and impurities from water flow (use prefix "BTFL")

Headwork/Valve Options:

- Compression valve cartridge with adjustable volume control (use prefix "BTA")
- Ceramic disc valve cartridge (use prefix "BTC")
- Integral check valve to prevent backflow (add suffix "CV")

Handle Option:

- Forged brass wrist blade handles in place of hooded handles (add suffix "BH")

Riser Option:

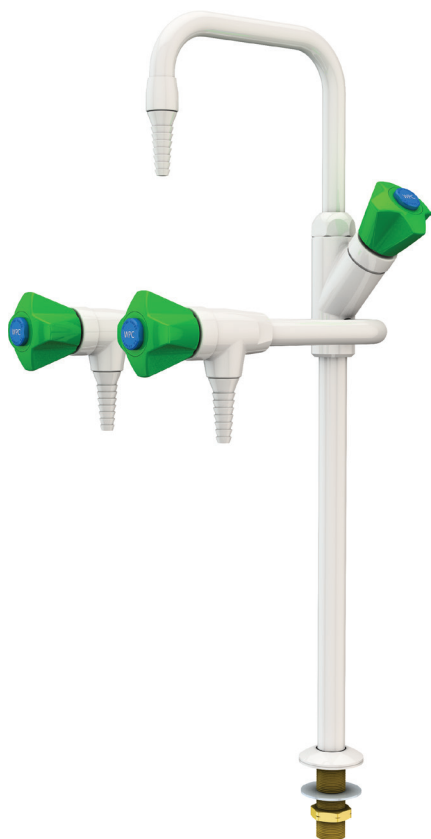
- Brass riser with 8" (203mm) spread (add suffix "-8")

Outlet Options:

- BO055 aerator in place of serrated hose end (add suffix "-55")
- BT118 pipe interrupter fitting to prevent back-siphonage (add suffix "-118")

BT385RS

Three-Way Water Tap, Bench Mounted



Application: Laboratory water tap with three outlets for cold water.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Bench or countertop mounted with removable locator pins.

Bodies: Forged brass.

Headworks: WaterSaver self-contained compression valve cartridges with replaceable stainless steel seats.

Handles: Molded nylon hooded style handles with index discs. Handles and indexes are color coded and marked per EN 13792.

Riser: Brass riser with 6" (152mm) spread to each side valves.

Spout: 6" (152mm) convertible rigid/swing top spout.

Inlet: Furnished with mounting shank, locknut and washer. G1/2 male inlet.

Outlets: G3/8 female outlets with removable anti-splash serrated hose ends.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 10 bar (150 PSI) test pressure and maximum working pressure.

Optional Features

Finish Options:

- Gray powder coated finish (GRY)
- Polished chrome plated finish with clear epoxy coating (PCL)
- Satin chrome plated finish with clear epoxy coating (SCC)
- Satin nickel plated finish with clear epoxy coating (SNC)

FlowStop/Filter Option:

- FlowStop volume control and shut-off valve installed in valve body (use prefix "BTFS")
- Removable filter to remove debris and impurities from water flow (use prefix "BTFL")

Headwork/Valve Options:

- Compression valve cartridge with adjustable volume control (use prefix "BTA")
- Ceramic disc valve cartridge (use prefix "BTC")
- Integral check valve to prevent backflow (add suffix "CV")

Handle Option:

- Forged brass wrist blade handles in place of hooded handles (add suffix "BH")

Riser/Spout Option:

- Brass riser with 8" (203mm) spread (add suffix "-8")

Outlet Options:

- BO055 aerator in place of serrated hose end (add suffix "-55")
- BT118 pipe interrupter fitting to prevent back-siphonage (add suffix "-118")

BT414

Mixer Tap, Bench Mounted



Application: Laboratory water mixer tap for hot and cold water.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Bench or countertop mounted with removable locator pins.

Body: Forged brass.

Headworks: WaterSaver self-contained compression valve cartridges with replaceable stainless steel seats.

Handles: Molded nylon hooded style handles with index discs. Handles and indexes are color coded and marked per EN 13792.

Gooseneck: 6" (152mm) convertible rigid/swing gooseneck.

Inlets: (2) 10mm OD flexible copper tubes. Furnished complete with 30.5mm (1-3/16") dia. mounting shank, locknut and washer.

Outlet: G3/8 female outlet with removable anti-splash serrated hose end.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 10 bar (150 PSI) test pressure and maximum working pressure.

BT414BH

Mixer Tap, Bench Mounted , Wrist Blade Handles



Application: Laboratory water mixer tap for hot and cold water.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Bench or countertop mounted with removable locator pins.

Body: Forged brass.

Headworks: WaterSaver self-contained compression valve cartridges with replaceable stainless steel seats.

Handles: Forged brass wrist blade handles with color-coded index discs. Index discs are marked per EN 13792.

Gooseneck: 6" (152mm) convertible rigid/swing gooseneck.

Inlets: (2) 10mm OD flexible copper tubes. Furnished complete with 30.5mm (1-3/16") dia. mounting shank, locknut and washer.

Outlet: G3/8 female outlet with removable anti-splash serrated hose end.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 10 bar (150 PSI) test pressure and maximum working pressure.

Optional Features

Finish Options:

- Gray powder coated finish (GRY)
- Polished chrome plated finish with clear epoxy coating (PCL)
- Satin chrome plated finish with clear epoxy coating (SCC)
- Satin nickel plated finish with clear epoxy coating (SNC)

Headwork/Valve Options:

- Compression valve cartridge with adjustable volume control (use prefix "BTA")
- Ceramic disc valve cartridge (use prefix "BTC")
- Integral check valve to prevent backflow (add suffix "CV")

Gooseneck Options:

- 8" (203mm) spread gooseneck (add suffix "-8")

Outlet Options:

- BO055 aerator in place of serrated hose end (add suffix "-55")
- BT118 pipe interrupter fitting to prevent back-siphonage (add suffix "-118")

BT1614WSA

Mixer Tap, Bench Mounted



Application: Laboratory water mixer tap for hot and cold water.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Bench or countertop mounted.

Body: Cast brass.

Headworks: WaterSaver self-contained compression valve cartridges with replaceable stainless steel seats.

Handles: Molded nylon hooded style handles with index discs. Handles and indexes are color coded and marked per EN 13792.

Gooseneck: 6" (152mm) convertible rigid/swing gooseneck.

Inlets: (2) G1/2 male inlets on 180mm center dimension. Furnished with mounting shanks, locknuts and washers.

Outlet: G3/8 female outlet with removable anti-splash serrated hose end.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 10 bar (150 PSI) test pressure and maximum working pressure.

BT1614BH-WSA

Mixer Tap, Bench Mounted, Wrist Blade Handles



Application: Laboratory water mixer tap for hot and cold water.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Bench or countertop mounted.

Body: Cast brass.

Headworks: WaterSaver self-contained compression valve cartridges with replaceable stainless steel seats.

Handles: Forged brass wrist blade handles with color-coded index discs. Index discs are marked per EN 13792.

Gooseneck: 6" (152mm) convertible rigid/swing gooseneck.

Inlets: (2) G1/2 male inlets on 180mm center dimension. Furnished with mounting shanks, locknuts and washers.

Outlet: G3/8 female outlet with removable anti-splash serrated hose end.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 10 bar (150 PSI) test pressure and maximum working pressure.

Optional Features

Finish Options:

- Gray powder coated finish (GRY)
- Polished chrome plated finish with clear epoxy coating (PCL)
- Satin chrome plated finish with clear epoxy coating (SCC)
- Satin nickel plated finish with clear epoxy coating (SNC)

FlowStop/Filter Option:

- FlowStop volume control and shut-off valve installed in valve body (use prefix "BTFS")
- Removable filter to remove debris and impurities from water flow (use prefix "BTFL")

Headwork/Valve Options:

- Compression valve cartridge with adjustable volume control (use prefix "BTA")
- Ceramic disc valve cartridge (use prefix "BTC")
- Integral check valve to prevent backflow (add suffix "CV")

Gooseneck Options:

- 8" (203mm) spread gooseneck (add suffix "-8")

Outlet Options:

- BO055 aerator in place of serrated hose end (add suffix "-55")
- BT118 pipe interrupter fitting to prevent back-siphonage (add suffix "-118")

BT1714WSA

Mixer Tap, Wall/Panel Mounted



Application: Laboratory water mixer tap for hot and cold water.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Wall or panel mounted.

Body: Cast brass.

Headworks: WaterSaver self-contained compression valve cartridges with replaceable stainless steel seats.

Handles: Molded nylon hooded style handles with index discs. Handles and indexes are color coded and marked per EN 13792.

Gooseneck: 6" (152mm) convertible rigid/swing gooseneck.

Inlets: (2) G1/2 male inlets on 150mm (6") center dimension. Furnished with mounting shanks, locknuts and washers.

Outlet: G3/8 female outlet with removable anti-splash serrated hose end.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 10 bar (150 PSI) test pressure and maximum working pressure.

BT1714BH-WSA

Mixer Tap, Wall/Panel Mounted, Wrist Blade Handles



Application: Laboratory water mixer tap for hot and cold water.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Wall or panel mounted.

Body: Cast brass.

Headworks: WaterSaver self-contained compression valve cartridges with replaceable stainless steel seats.

Handles: Forged brass wrist blade handles with color-coded index discs. Index discs are marked per EN 13792.

Gooseneck: 6" (152mm) convertible rigid/swing gooseneck.

Inlets: (2) G1/2 male inlets on 150mm (6") center dimension. Furnished with mounting shanks, locknuts and washers.

Outlet: G3/8 female outlet with removable anti-splash serrated hose end.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 10 bar (150 PSI) test pressure and maximum working pressure.

Optional Features

Finish Options:

- Gray powder coated finish (GRY)
- Polished chrome plated finish with clear epoxy coating (PCL)
- Satin chrome plated finish with clear epoxy coating (SCC)
- Satin nickel plated finish with clear epoxy coating (SNC)

FlowStop/Filter Option:

- FlowStop volume control and shut-off valve installed in turret base (use prefix "BTFS")
- Removable filter to remove debris and impurities from water flow (use prefix "BTFL")

Headwork/Valve Options:

- Compression valve cartridge with adjustable volume control (use prefix "BTA")
- Ceramic disc valve cartridge (use prefix "BTC")
- Integral check valve to prevent backflow (add suffix "CV")

Gooseneck Options:

- 8" (203mm) spread gooseneck (add suffix "-8")

Outlet Options:

- BO055 aerator in place of serrated hose end (add suffix "-55")
- BT118 pipe interrupter fitting to prevent back-siphonage (add suffix "-118")

BT4604

Single Handle Mixer Tap, Bench Mounted



Application: Laboratory water mixer tap for hot and cold water.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Bench or countertop mounted with removable locator pins.

Body: Brass bar stock.

Headworks: WaterSaver self-contained ceramic disc mixer cartridge.

Handle: Cast zinc handle with powder coated finish.

Gooseneck: 6" (152mm) convertible rigid/swing gooseneck.

Inlets: (2) 10mm OD flexible copper tubes. Furnished complete with 30.5mm (1-3/16") dia. mounting shank, locknut and washer.

Outlet: G3/8 female outlet with removable anti-splash serrated hose end.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 10 bar (150 PSI) test pressure and maximum working pressure.

Optional Features

Finish Options:

- Gray powder coated finish (GRY)
- Polished chrome plated finish with clear epoxy coating (PCL)
- Satin chrome plated finish with clear epoxy coating (SCC)
- Satin nickel plated finish with clear epoxy coating (SNC)

Valve Options:

- Integral check valves to prevent backflow (add suffix "CV").

Gooseneck Option:

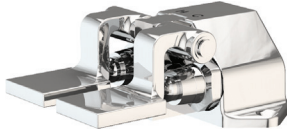
- 8" (203mm) spread gooseneck (add suffix "-8")

Outlet Options:

- BO055 aerator in place of serrated hose end (add suffix "-55")
- BT118 pipe interrupter fitting to prevent back-siphonage (add suffix "-118")

BT3001

Foot-Operated Mixer Tap, Floor Mounted



Application: Foot-operated mixing valve for hot and cold water.

Finish: Furnished with polished chrome plated finish.

Mounting: Floor mounted.

Body: Forged brass.

Headworks: Self-closing valve cartridges with stainless steel valve stems.

Pedals: Forged brass pedals mounted on hinged bracket.

Inlets: (2) G1/2 female inlets.

Outlet: G1/2 female outlet.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 10 bar (150 PSI) test pressure and maximum working pressure.

BT3010

Foot-Operated Mixer Tap, Wall Mounted



Application: Foot-operated mixing valve for hot and cold water.

Finish: Furnished with polished chrome plated finish.

Mounting: Wall mounted. Available with optional SA240 stainless steel mounting bracket (ordered separately).

Body: Forged brass.

Headworks: Self-closing valve cartridges with stainless steel valve stems.

Pedals: Cast aluminum pedals mounted on hinged bracket.

Inlets: (2) G1/2 female inlets.

Outlet: G1/2 female outlet.

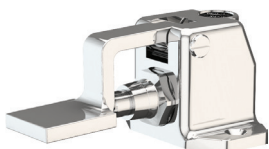
Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 10 bar (150 PSI) test pressure and maximum working pressure.

Additional Model

BT3060 Same as above except single valve for cold, hot or tempered water.

BT3050

Foot-Operated Single Tap, Floor Mounted



Application: Foot-operated single valve for cold, hot or tempered water.

Finish: Furnished with polished chrome plated finish.

Mounting: Floor mounted.

Body: Forged brass.

Headwork: Self-closing valve cartridge with stainless steel valve stem.

Pedal: Forged brass pedal mounted on hinged bracket.

Inlets: G1/2 female inlet.

Outlet: G1/2 female outlet.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 10 bar (150 PSI) test pressure and maximum working pressure.

BT074WSA

Gooseneck, Wall/ Panel Mounted



Application: Gooseneck for use with foot-operated valve.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Wall or panel mounted.

Body: Forged brass.

Gooseneck: 6" (152mm) convertible rigid/swing gooseneck.

Inlet: Furnished with mounting shank, locknut and washer. G1/2 male inlet.

Outlet: G3/8 female outlet with removable anti-splash serrated hose end.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 10 bar (150 PSI) test pressure and maximum working pressure.

Additional Model

BT071WSA Same as above except with rigid gooseneck.

BT084WSA

Gooseneck, Bench Mounted



Application: Gooseneck for use with foot-operated valve.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Bench or countertop mounted.

Body: Brass bar stock.

Gooseneck: 6" (152mm) convertible rigid/swing gooseneck.

Inlet: Furnished with mounting shank, locknut and washer. G1/2 male inlet.

Outlet: G3/8 female outlet with removable anti-splash serrated hose end.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 10 bar (150 PSI) test pressure and maximum working pressure.

Additional Model

BT081WSA Same as above except with rigid gooseneck.

Optional Features

Finish Options:

- Gray powder coated finish (GRY)
- Polished chrome plated finish with clear epoxy coating (PCL)
- Satin chrome plated finish with clear epoxy coating (SCC)
- Satin nickel plated finish with clear epoxy coating (SNC)

Gooseneck Option:

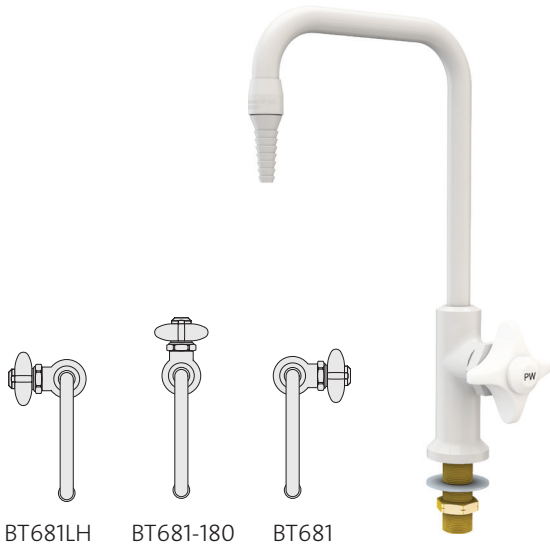
- 8" (203mm) spread gooseneck (add suffix "-8")

Outlet Options:

- BO055 aerator in place of serrated hose end (add suffix "-55")
- BT118 pipe interrupter fitting to prevent back-siphonage (add suffix "-118")

BT681

Pure Water Tap, Bench Mounted, Self-Closing Control



Application: Laboratory tap for distilled, deionized or reverse osmosis water. All components in contact with pure water have interior lining of pure tin.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Bench or countertop mounted with removable locator pins.

Body: Forged brass.

Headwork: WaterSaver self-contained self-closing valve cartridge with replaceable stainless steel seat. Valve closes when handle is released..

Handle: Forged brass four-arm style handle with index disc.

Gooseneck: 6" (152mm) rigid gooseneck. Gooseneck is set in right hand configuration unless left hand or 180 degrees is specified.

Inlet: Furnished with mounting shank, locknut and washer. G1/2 male inlet.

Outlet: G3/8 female outlet with removable anti-splash serrated hose end.

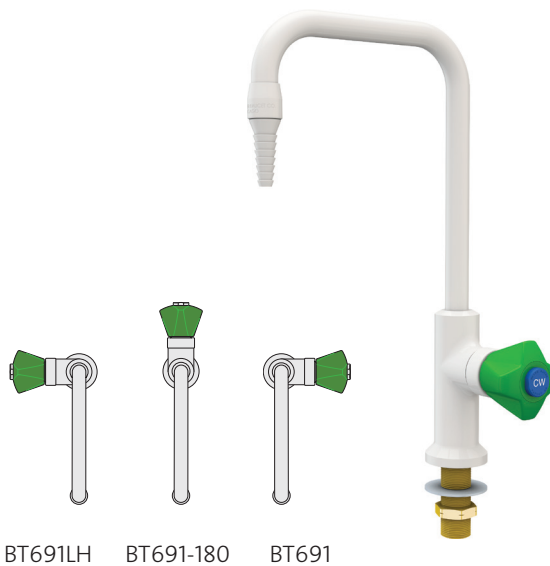
Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 10 bar (150 PSI) test pressure and maximum working pressure.

Additional Model

BT681LE Same as above except with self-closing lever handle.

BT691

Pure Water Tap, Bench Mounted, Manual Control



Application: Laboratory tap for distilled, deionized or reverse osmosis water. All components in contact with pure water have interior lining of pure tin.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Bench or countertop mounted with removable locator pins.

Body: Forged brass.

Headwork: WaterSaver self-contained compression valve cartridge with replaceable stainless steel seat. Valve has manual on/off control.

Handle: Molded nylon hooded style handle with index disc. Handle and index are color coded and marked per EN 13792.

Gooseneck: 6" (152mm) rigid gooseneck. Gooseneck is set in right hand configuration unless left hand or 180 degrees is specified.

Inlet: Furnished with mounting shank, locknut and washer. G1/2 male inlet.

Outlet: G3/8 female outlet with removable anti-splash serrated hose end.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 10 bar (150 PSI) test pressure and maximum working pressure.

Additional Model

BT691BH Same as above except with wrist blade handle.

Optional Features

Finish Options:

- Gray powder coated finish (GRY)
- Polished chrome plated finish with clear epoxy coating (PCL)
- Satin chrome plated finish with clear epoxy coating (SCC)
- Satin nickel plated finish with clear epoxy coating (SNC)

Headwork/Valve Options:

- Valve cartridge with adjustable volume control (use prefix "BTA")
- Integral check valve to prevent backflow (add suffix "CV").

Gooseneck Option:

- 8" (203mm) spread gooseneck (add suffix "-8")

BT3133

Pure Water Tap, Bench Mounted



Application: Laboratory tap for distilled, deionized or reverse osmosis water. All components in contact with pure water have interior lining of pure tin.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Bench or countertop mounted with removable locator pins.

Body: Forged brass.

Headwork: WaterSaver self-contained compression valve cartridge with replaceable stainless steel seat.

Handle: Molded nylon hooded style handle with index disc. Handle and index are color coded and marked per EN 13792.

Riser: Brass riser with 6" (152mm) spread.

Inlet: Furnished with mounting shank, locknut and washer. G1/2 male inlet.

Outlet: G3/8 female outlet with removable anti-splash serrated hose end.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 10 bar (150 PSI) test pressure and maximum working pressure.

BT6833

Pure Water Tap, Bench Mounted, All-Stainless Steel



Application: Laboratory tap for distilled, deionized or reverse osmosis water. All metallic components are Type 316 stainless steel.

Finish: Furnished with satin (brushed) stainless steel finish.

Mounting: Bench or countertop mounted with removable locator pins.

Body: Type 316 stainless steel.

Headwork: WaterSaver self-contained stainless steel compression valve cartridge with replaceable stainless steel seat.

Handle: Molded nylon hooded style handle with index disc. Handle and index are color coded and marked per EN 13792.

Riser: Type 316 stainless steel riser with 6" (152mm) spread.

Inlet: Furnished with mounting shank, locknut and washer. G1/2 male inlet.

Outlet: G3/8 female outlet with removable anti-splash serrated hose end.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 10 bar (150 PSI) test pressure and maximum working pressure.

Optional Features

Finish Options (BT3133 only):

- Gray powder coated finish (GRY)
- Polished chrome plated finish with clear epoxy coating (PCL)
- Satin chrome plated finish with clear epoxy coating (SCC)
- Satin nickel plated finish with clear epoxy coating (SNC)

FlowStop/Filter Options:

- FlowStop volume control and shut-off valve installed in valve body (use prefix "BTFS")
- Removable filter to remove debris and impurities from water flow (use prefix "BTFL")

Headwork/Valve Options:

- Valve cartridge with adjustable volume control (use prefix "BTA")
- Integral check valve to prevent backflow (add suffix "CV").

Riser Option:

- 8" (203mm) spread riser (add suffix "-8")

BT7833

Pure Water Tap, Bench Mounted



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

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Bench or countertop mounted with removable locator pins.

Body: Forged brass.

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

Handle: Molded nylon hooded style handle with index disc. Handle and index are color coded and marked per EN 13792.

Riser: Brass riser with 6" (152mm) spread.

Inlet: 10mm OD tube end. Furnished with G1/2 mounting shank, locknut and washer.

Outlet: Seven serration plastic hose end.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 10 bar (150 PSI) test pressure, 5 bar (75 PSI) maximum working pressure.

BT7834

Pure Water Tap, Wall/Panel Mounted



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

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Wall or panel mounted with removable locator pins.

Body: Forged brass.

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

Handle: Molded nylon hooded style handle with index disc. Handle and index are color coded and marked per EN 13792.

Riser: Brass riser with 6" (152mm) spread.

Inlet: 10mm OD tube end. Furnished with G1/2 mounting shank, locknut and washer.

Outlet: Seven serration plastic hose end.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 10 bar (150 PSI) test pressure, 5 bar (75 PSI) maximum working pressure.

Optional Features

Finish Options:

- Gray powder coated finish (GRY)
- Polished chrome plated finish with clear epoxy coating (PCL)
- Satin chrome plated finish with clear epoxy coating (SCC)
- Satin nickel plated finish with clear epoxy coating (SNC)

Material Option:

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

Valve Options:

- Self-closing control valve with toggle-style lever handle (add suffix "SC")
- Combination manual/self-closing control valve with toggle-style lever handle (add suffix "MSC")

Riser Option:

- Brass riser with 8" (203mm) spread (add suffix "-8")

BT7840

Pure Water Tap, Wall/Panel Mounted



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

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Wall or panel mounted with removable locator pins.

Body: Forged brass.

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

Handle: Molded nylon hooded style handle with index disc. Handle and index are color coded and marked per EN 13792.

Riser: Brass riser with 8" (203mm) spread.

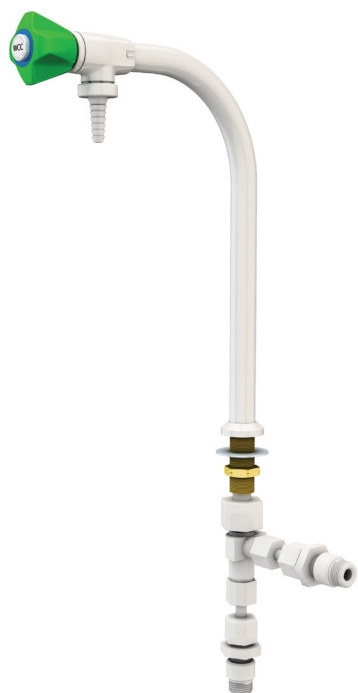
Inlet: 10mm OD tube end. Furnished with G1/2 mounting shank, locknut and washer.

Outlet: Seven serration plastic hose end.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 10 bar (150 PSI) test pressure, 5 bar (75 PSI) maximum working pressure.

BT7837

Pure Water Tap, Bench Mounted, Recirculating



Application: Laboratory tap for distilled, deionized or reverse osmosis water. Tap is fully recirculating to eliminate all "dead legs" in pure water system. Tap has exterior brass casing and interior lining of inert polypropylene. Pure water comes in contact only with inert plastic.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Bench or countertop mounted with removable locator pins.

Body: Forged brass.

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

Handle: Molded nylon hooded style handle with index disc. Handle and index are color coded and marked per EN 13792.

Riser: Brass riser with 6" (152mm) spread.

Supply/Return: 3/8" OD tube ends on supply and return. Furnished with 3/8" OD compression x G1/2 adaptors. Furnished with 23mm OD mounting shank, locknut and washer.

Outlet: Seven serration plastic hose end.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 10 bar (150 PSI) test pressure, 5 bar (75 PSI) maximum working pressure.

Optional Features

Finish Options:

- Gray powder coated finish (GRY)
- Polished chrome plated finish with clear epoxy coating (PCL)
- Satin chrome plated finish with clear epoxy coating (SCC)
- Satin nickel plated finish with clear epoxy coating (SNC)

Material Option:

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

Valve Options:

- Self-closing control valve with toggle-style lever handle (add suffix "SC")
- Combination manual/self-closing control valve with toggle-style lever handle (add suffix "MSC")

Riser Option:

- Brass riser with 8" (203mm) spread (add suffix "-8")

BT2873-771WSA

Pressure Regulator Fitting,
Bench Mounted



Application: Point-of-use regulation of compressed air and inert laboratory gases. Pressure regulator has elastomer diaphragm and O-ring seals.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Special tall turret for bench or countertop mounting. Turret has removable locator pins.

Shut-Off Valve: Plug valve with lever handle on inlet of fitting for on/off control of media.

Pressure Regulator: Non-relieving type with chrome plated brass body and neoprene diaphragm.

Metering 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 Pressure Range: .5 bar (7 PSI) – 20 bar (300 PSI).

Outlet Pressure Range: .5 bar (7 PSI) – 8.5 bar (125 PSI).

Inlet: Furnished with mounting shank, locknut and washer. G1/2 male inlet.

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

Cleaning: Fitting is specially cleaned, lubricated, assembled and packaged.

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

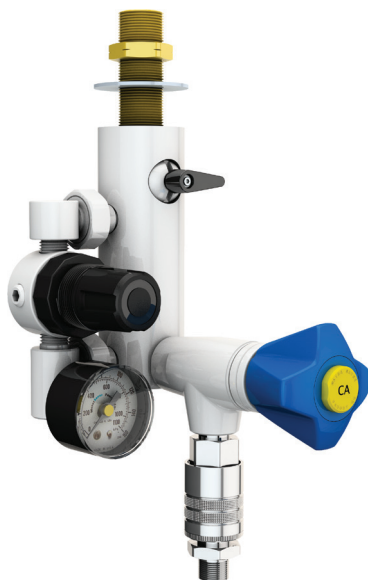
Additional Models

BT2873-771-2SWSA Same as above except with two pressure regulators and valves at 180 degrees.

BT2873-771-2AWSA Same as above except with two pressure regulators and valves at 90 degrees.

BT3173-771WSA

Pressure Regulator Fitting,
Overhead Mounted



Application: Point-of-use regulation of compressed air and inert laboratory gases. Pressure regulator has elastomer diaphragm and O-ring seals.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Special tall turret for overhead mounting. Turret has removable locator pins.

Shut-Off Valve: Plug valve with lever handle on inlet of fitting for on/off control of media.

Pressure Regulator: Non-relieving type with chrome plated brass body and neoprene diaphragm.

Metering 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 Pressure Range: .5 bar (7 PSI) – 20 bar (300 PSI).

Outlet Pressure Range: .5 bar (7 PSI) – 8.5 bar (125 PSI).

Inlet: Furnished with stainless steel mounting shank, locknut and washer. G1/2 male inlet.

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

Cleaning: Fitting is specially cleaned, lubricated, assembled and packaged.

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

Additional Models

BT3173-771-2SWSA Same as above except with two pressure regulators and valves at 180 degrees.

BT3173-771-2AWSA Same as above except with two pressure regulators and valves at 90 degrees.

Optional Features

Finish Options:

- Gray powder coated finish (GRY)
- Polished chrome plated finish with clear epoxy coating (PCL)
- Satin chrome plated finish with clear epoxy coating (SCC)
- Satin nickel plated finish with clear epoxy coating (SNC)

Outlet Option:

- 8mm OD compression fitting on valve outlet in place of quick connect fitting (use BT2874 or BT3174 designation for valve)

BT2873-772WSA

Pressure Regulator Fitting,
Bench 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. Pressure regulator has stainless steel diaphragm.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Special tall turret for bench or countertop mounting. Turret has removable locator pins.

Shut-Off Valve: Plug valve with lever handle on inlet of fitting for on/off control of media.

Pressure Regulator: Single stage non-relieving type with chrome plated brass body and stainless steel diaphragm.

Metering 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 Pressure Range: .5 bar (7 PSI) – 20 bar (300 PSI).

Outlet Pressure Range: .5 bar (7 PSI) – 8.5 bar (125 PSI).

Inlet: Furnished with mounting shank, locknut and washer. G1/2 male inlet.

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

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

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

Additional Models

BT2873-772-2SWSA Same as above except with two pressure regulators and valves at 180 degrees.

BT2873-772-2AWSA Same as above except with two pressure regulators and valves at 90 degrees.

BT3173-772WSA

Pressure Regulator Fitting,
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. Pressure regulator has stainless steel diaphragm.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Special tall turret for overhead mounting. Turret has removable locator pins.

Shut-Off Valve: Plug valve with lever handle on inlet of fitting for on/off control of media.

Pressure Regulator: Non-relieving type with chrome plated brass body and stainless steel diaphragm.

Metering 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 Pressure Range: .5 bar (7 PSI) – 20 bar (300 PSI).

Outlet Pressure Range: .5 bar (7 PSI) – 8.5 bar (125 PSI).

Inlet: Furnished with stainless steel mounting shank, locknut and washer. G1/2 male inlet.

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

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

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

Additional Models

BT3173-772-2SWSA Same as above except with two pressure regulators and valves at 180 degrees.

BT3173-772-2AWSA Same as above except with two pressure regulators and valves at 90 degrees.

Optional Features

Finish Options:

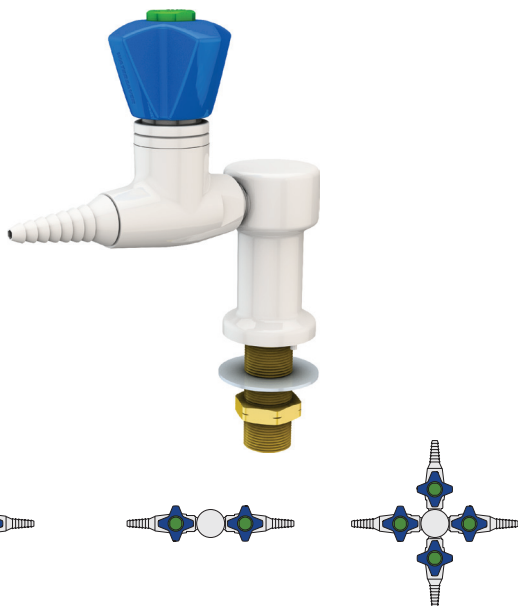
- Gray powder coated finish (GRY)
- Polished chrome plated finish with clear epoxy coating (PCL)
- Satin chrome plated finish with clear epoxy coating (SCC)
- Satin nickel plated finish with clear epoxy coating (SNC)

Outlet Option:

- 8mm OD compression fitting on valve outlet in place of quick connect fitting (use BT2874 or BT3174 designation for valve)

BT2870-231WSA

Fine Control Needle Valve, Bench Mounted



BT2870-232AWSA

BT2870-232SWSA

BT2870-234WSA

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.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Turret base with single outlet and removable locator pins.

Valve Body: Straight pattern forged brass.

Headwork: Floating tapered stainless steel needle and replaceable stainless steel seat. Valve is capable of delivering one bubble of nitrogen gas at a time.

Handle: Molded nylon hooded style handle with index disc. Handle and index are color coded and marked per EN 13792.

Inlet: Furnished with mounting shank, locknut and washer. G1/2 male inlet.

Outlet: G3/8 female outlet with removable serrated hose end.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 25 bar (375 PSI) nitrogen test pressure, 17 bar (250 PSI) maximum working pressure.

BT2870-141WSA

Double Fine Control Needle Valve, Wall/Panel Mounted



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.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Wye fitting with two outlets and removable locator pins.

Valve Bodies: Straight pattern forged brass.

Headworks: Floating tapered stainless steel needles and replaceable stainless steel seats. Valves are capable of delivering one bubble of nitrogen gas at a time.

Handles: Molded nylon hooded style handles with index discs. Handles and indexes are color coded and marked per EN 13792.

Inlet: Furnished with mounting shank, locknut and washer. G1/2 male inlet.

Outlet: G3/8 female outlet with removable serrated hose end.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 25 bar (375 PSI) nitrogen test pressure, 17 bar (250 PSI) maximum working pressure.

Optional Features

Finish Options:

- Gray powder coated finish (GRY)
- Polished chrome plated finish with clear epoxy coating (PCL)
- Satin chrome plated finish with clear epoxy coating (SCC)
- Satin nickel plated finish with clear epoxy coating (SNC)

FlowStop/Filter Options:

- FlowStop volume control and shut-off valve installed in turret base (use prefix "BTFS")
- Removable filter to remove debris and impurities from media flow (use prefix "BTFL")

Valve Options:

- Integral check valve to prevent backflow (add suffix "CV")

Outlet Options:

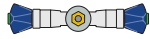
- Angle serrated hose end in place of straight hose end (order BT2872)
- Quick connect fitting in place of hose end (order BT2873)
- 8mm OD compression fitting in place of hose end (order BT2874)

BT3170-231WSA

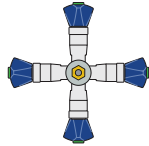
Fine Control Needle Valve, Overhead Mounted



BT3170-232AWSA



BT3170-232SWSA



BT3170-234WSA

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.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Turret base with single outlet and removable locator pins.

Valve Body: Angle pattern forged brass.

Headwork: Floating tapered stainless steel needle and replaceable stainless steel seat. Valve is capable of delivering one bubble of nitrogen gas at a time.

Handle: Molded nylon hooded style handle with index disc. Handle and index are color coded and marked per EN 13792.

Inlet: Furnished with mounting shank, locknut and washer. G1/2 male inlet.

Outlet: G3/8 female outlet with removable serrated hose end.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 25 bar (375 PSI) nitrogen test pressure, 17 bar (250 PSI) maximum working pressure.

BT4870F-226WSA

Fine Control Needle Valve, Wall/Panel/Overhead Mounted



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.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Flanged inlet with removable locator pins.

Valve Body: Straight pattern forged brass.

Headwork: Floating tapered stainless steel needle and replaceable stainless steel seat. Valve is capable of delivering one bubble of nitrogen gas at a time.

Handle: Molded nylon hooded style handle with index disc. Handle and index are color coded and marked per EN 13792.

Inlet: Furnished with mounting shank, locknut and washer. G1/2 male inlet.

Outlet: G3/8 female outlet with removable serrated hose end.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 25 bar (375 PSI) nitrogen test pressure, 17 bar (250 PSI) maximum working pressure.

Optional Features

Finish Options:

- Gray powder coated finish (GRY)
- Polished chrome plated finish with clear epoxy coating (PCL)
- Satin chrome plated finish with clear epoxy coating (SCC)
- Satin nickel plated finish with clear epoxy coating (SNC)

FlowStop/Filter Options:

- FlowStop volume control and shut-off valve installed in turret base or valve body (use prefix "BTFS")
- Removable filter to remove debris and impurities from media flow (use prefix "BTFL")

Valve Options:

- Integral check valve to prevent backflow (add suffix "CV")

Outlet Options:

- Angle serrated hose end in place of straight hose end (order BT3172 or BT4872)
- Quick connect fitting in place of hose end (order BT3173 or BT4873)
- 8mm OD compression fitting in place of hose end (order BT3174 or BT4874)

BT5170F-226WSA

Fine Control Needle Valve, Wall/Panel Mounted



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.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Flanged inlet with removable locator pins.

Valve Body: Angle pattern forged brass.

Headwork: Floating tapered stainless steel needle and replaceable stainless steel seat. Valve is capable of delivering one bubble of nitrogen gas at a time.

Handle: Molded nylon hooded style handle with index disc. Handle and index are color coded and marked per EN 13792.

Inlet: Furnished with mounting shank, locknut and washer. G1/2 male inlet.

Outlet: G3/8 female outlet with removable serrated hose end.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 25 bar (375 PSI) nitrogen test pressure, 17 bar (250 PSI) maximum working pressure.

BT5270F-226WSA

Fine Control Needle Valve, Wall/Panel Mounted



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.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Flanged inlet with removable locator pins.

Valve Body: Angle pattern forged brass.

Headwork: Floating tapered stainless steel needle and replaceable stainless steel seat. Valve is capable of delivering one bubble of nitrogen gas at a time.

Handle: Molded nylon hooded style handle with index disc. Handle and index are color coded and marked per EN 13792.

Inlet: Furnished with mounting shank, locknut and washer. G1/2 male inlet.

Outlet: G3/8 female angle outlet with removable serrated hose end.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 25 bar (375 PSI) nitrogen test pressure, 17 bar (250 PSI) maximum working pressure.

Optional Features

Finish Options:

- Gray powder coated finish (GRY)
- Polished chrome plated finish with clear epoxy coating (PCL)
- Satin chrome plated finish with clear epoxy coating (SCC)
- Satin nickel plated finish with clear epoxy coating (SNC)

FlowStop/Filter Options:

- FlowStop volume control and shut-off valve installed in valve body (use prefix "BTFS")
- Removable filter to remove debris and impurities from media flow (use prefix "BTFL")

Valve Options:

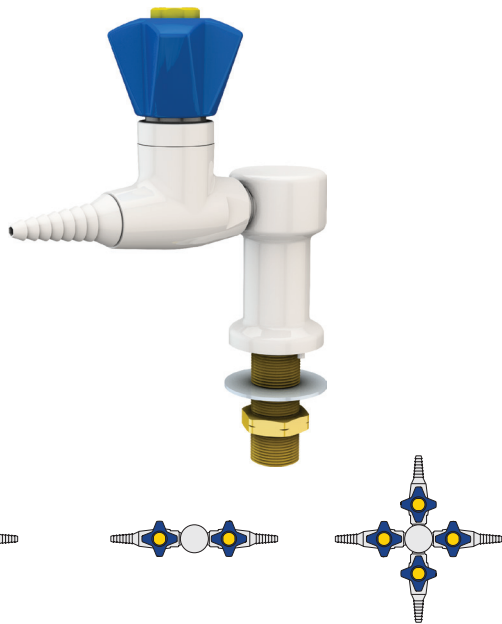
- Integral check valve to prevent backflow (add suffix "CV")

Outlet Options:

- Angle serrated hose end in place of straight hose end (order BT5172)
- Quick connect fitting in place of hose end (order BT5173 or BT5273)
- 8mm OD compression fitting in place of hose end (order BT5174 or BT5274)

BT2880-231WSA

Needle Valve, Bench Mounted



BT2880-232AWSA

BT2880-232SWSA

BT2880-234WSA

Application: Flow regulation of all laboratory gases, including special gases such as nitrogen, oxygen, helium and hydrogen. When ordered, valve may be specially cleaned, lubricated and packaged for pure gas service. Valve is certified for natural gas service by CSA International.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Turret base with single outlet and removable locator pins.

Valve Body: Straight pattern forged brass.

Headwork: Floating stainless steel needle and replaceable stainless steel seat.

Handle: Molded nylon hooded style handle with index disc. Handle and index are color coded and marked per EN 13792.

Inlet: Furnished with mounting shank, locknut and washer. G1/2 male inlet.

Outlet: G3/8 female outlet with removable serrated hose end.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 17 bar (250 PSI) nitrogen test pressure, 10 bar (150 PSI) maximum working pressure.

BT2880-141WSA

Double Needle Valve, Wall/Panel Mounted



Application: Flow regulation of all laboratory gases, including special gases such as nitrogen, oxygen, helium and hydrogen. When ordered, valve may be specially cleaned, lubricated and packaged for pure gas service. Valve is certified for natural gas service by CSA International.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Wye fitting with two outlets and removable locator pins.

Valve Bodies: Straight pattern forged brass.

Headworks: Floating stainless steel needles and replaceable stainless steel seats.

Handles: Molded nylon hooded style handles with index discs. Handles and indexes are color coded and marked per EN 13792.

Inlet: Furnished with mounting shank, locknut and washer. G1/2 male inlet.

Outlet: G3/8 female outlet with removable serrated hose end.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 17 bar (250 PSI) nitrogen test pressure, 10 bar (150 PSI) maximum working pressure.

Optional Features

Finish Options:

- Gray powder coated finish (GRY)
- Polished chrome plated finish with clear epoxy coating (PCL)
- Satin chrome plated finish with clear epoxy coating (SCC)
- Satin nickel plated finish with clear epoxy coating (SNC)

FlowStop/Filter Options:

- FlowStop volume control and shut-off valve installed in turret base (use prefix "BTFS")
- Removable filter to remove debris and impurities from media flow (use prefix "BTFL")

Valve Options:

- Integral check valve to prevent backflow (add suffix "CV")

Outlet Options:

- Angle serrated hose end in place of straight hose end (order BT2882)
- Quick connect fitting in place of hose end (order BT2883)
- 8mm OD compression fitting in place of hose end (order BT2884)

BT3180-231WSA

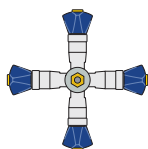
Needle Valve, Overhead Mounted



BT3180-232AWSA



BT3180-232SWSA



BT3180-234WSA

Application: Flow regulation of all laboratory gases, including special gases such as nitrogen, oxygen, helium and hydrogen. When ordered, valve may be specially cleaned, lubricated and packaged for pure gas service. Valve is certified for natural gas service by CSA International.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Turret base with single outlet and removable locator pins.

Valve Body: Angle pattern forged brass.

Headwork: Floating stainless steel needle and replaceable stainless steel seat.

Handle: Molded nylon hooded style handle with index disc. Handle and index are color coded and marked per EN 13792.

Inlet: Furnished with mounting shank, locknut and washer. G1/2 male inlet.

Outlet: G3/8 female outlet with removable serrated hose end.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 17 bar (250 PSI) nitrogen test pressure, 10 bar (150 PSI) maximum working pressure.

BT4880F-226WSA

Needle Valve, Wall/Panel/Overhead Mounted



Application: Flow regulation of all laboratory gases, including special gases such as nitrogen, oxygen, helium and hydrogen. When ordered, valve may be specially cleaned, lubricated and packaged for pure gas service. Valve is certified for natural gas service by CSA International.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Flanged inlet with removable locator pins.

Valve Body: Straight pattern forged brass.

Headwork: Floating stainless steel needle and replaceable stainless steel seat.

Handle: Molded nylon hooded style handle with index disc. Handle and index are color coded and marked per EN 13792.

Inlet: Furnished with mounting shank, locknut and washer. G1/2 male inlet.

Outlet: G3/8 female outlet with removable serrated hose end.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 17 bar (250 PSI) nitrogen test pressure, 10 bar (150 PSI) maximum working pressure.

Optional Features

Finish Options:

- Gray powder coated finish (GRY)
- Polished chrome plated finish with clear epoxy coating (PCL)
- Satin chrome plated finish with clear epoxy coating (SCC)
- Satin nickel plated finish with clear epoxy coating (SNC)

FlowStop/Filter Options:

- FlowStop volume control and shut-off valve installed in turret base or valve body (use prefix "BTFS")
- Removable filter to remove debris and impurities from media flow (use prefix "BTFL")

Valve Options:

- Integral check valve to prevent backflow (add suffix "CV")

Outlet Options:

- Angle serrated hose end in place of straight hose end (order BT3182 or BT4882)
- Quick connect fitting in place of hose end (order BT3183 or BT4883)
- 8mm OD compression fitting in place of hose end (order BT3184 or BT4884)

BT5180F-226WSA

Needle Valve, Wall/Panel Mounted



Application: Flow regulation of all laboratory gases, including special gases such as nitrogen, oxygen, helium and hydrogen. When ordered, valve may be specially cleaned, lubricated and packaged for pure gas service. Valve is certified for natural gas service by CSA International.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Flanged inlet with removable locator pins.

Valve Body: Angle pattern forged brass.

Headwork: Floating stainless steel needle and replaceable stainless steel seat.

Handle: Molded nylon hooded style handle with index disc. Handle and index are color coded and marked per EN 13792.

Inlet: Furnished with mounting shank, locknut and washer. G1/2 male inlet.

Outlet: G3/8 female outlet with removable serrated hose end.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 17 bar (250 PSI) nitrogen test pressure, 10 bar (150 PSI) maximum working pressure.

BT5280F-226WSA

Needle Valve, Wall/Panel Mounted



Application: Flow regulation of all laboratory gases, including special gases such as nitrogen, oxygen, helium and hydrogen. When ordered, valve may be specially cleaned, lubricated and packaged for pure gas service. Valve is certified for natural gas service by CSA International.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Flanged inlet with removable locator pins.

Valve Body: Angle pattern forged brass.

Headwork: Floating stainless steel needle and replaceable stainless steel seat.

Handle: Molded nylon hooded style handle with index disc. Handle and index are color coded and marked per EN 13792.

Inlet: Furnished with mounting shank, locknut and washer. G1/2 male inlet.

Outlet: G3/8 female angle outlet with removable serrated hose end.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 17 bar (250 PSI) nitrogen test pressure, 10 bar (150 PSI) maximum working pressure.

Optional Features

Finish Options:

- Gray powder coated finish (GRY)
- Polished chrome plated finish with clear epoxy coating (PCL)
- Satin chrome plated finish with clear epoxy coating (SCC)
- Satin nickel plated finish with clear epoxy coating (SNC)

FlowStop/Filter Options:

- FlowStop volume control and shut-off valve installed in valve body (use prefix "BTFS")
- Removable filter to remove debris and impurities from media flow (use prefix "BTFL")

Valve Options:

- Integral check valve to prevent backflow (add suffix "CV")

Outlet Options:

- Angle serrated hose end in place of straight hose end (order BT5182)
- Quick connect fitting in place of hose end (order BT5183 or BT5283)
- 8mm OD compression fitting in place of hose end (order BT5184 or BT5284)

BT2860I-231WSA

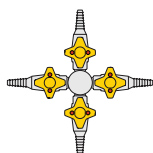
Push/Turn Gas Valve, Bench Mounted



BT2860I-232AWSA



BT2860I-232SWSA



BT2860I-234WSA

Application: Control of burning or combustible gases such as natural gas, propane and bottled gas. Valve is certified for natural gas service by CSA International.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Turret base with single outlet and removable locator pins.

Valve Body: Straight pattern forged brass.

Headwork: Self-contained push/turn cartridge with rotating ceramic discs. Valve locks in closed position.

Handle: Die cast metal handle with index disc and pop-up indicator buttons. Handle locks in closed position. Handle must be pushed down to unlock and open valve. Red pop-up buttons indicate if valve is in open or closed position. Handle and index disc are color coded and marked per EN 13792.

Inlet: Furnished with mounting shank, locknut and washer. G1/2 male inlet.

Outlet: G3/8 female outlet with removable serrated hose end.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 10 bar (150 PSI) test pressure, 7 bar (100 PSI) maximum working pressure.

Note: If pop-up indicator buttons are not required, delete suffix "I". Fitting will be furnished with molded nylon hooded handle.

BT2860I-141WSA

Double Push/Turn Gas Valve, Wall/Panel Mounted



Application: Control of burning or combustible gases such as natural gas, propane and bottled gas. Valve is certified for natural gas service by CSA International.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Wye fitting with two outlets and removable locator pins.

Valve Bodies: Straight pattern forged brass.

Headworks: Self-contained push/turn cartridges with rotating ceramic discs. Valves lock in closed position.

Handles: Die cast metal handles with index discs and pop-up indicator buttons. Handles lock in closed position. Handles must be pushed down to unlock and open valves. Red pop-up buttons indicate if valves are in open or closed position. Handles and index discs are color coded and marked per EN 13792.

Inlet: Furnished with mounting shank, locknut and washer. G1/2 male inlet.

Outlets: G3/8 female outlets with removable serrated hose ends.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 10 bar (150 PSI) test pressure, 7 bar (100 PSI) maximum working pressure.

Note: If pop-up indicator buttons are not required, delete suffix "I". Fitting will be furnished with molded nylon hooded handle.

Optional Features

Finish Options:

- Gray powder coated finish (GRY)
- Polished chrome plated finish with clear epoxy coating (PCL)
- Satin chrome plated finish with clear epoxy coating (SCC)
- Satin nickel plated finish with clear epoxy coating (SNC)

FlowStop/Filter Options:

- FlowStop volume control and shut-off valve installed in turret base (use prefix "BTFS")
- Removable filter to remove debris and impurities from media flow (use prefix "BTFL")

Valve Options:

- Integral check valve to prevent backflow (add suffix "CV")

Outlet Option:

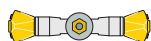
- Angle serrated hose end in place of straight hose end (order BT2862)

BT3160I-231WSA

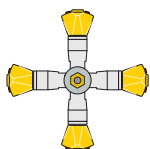
Push/Turn Gas Valve, Overhead Mounted



BT3160I-232AWSA



BT3160I-232SWSA



BT3160I-234WSA

Application: Control of burning or combustible gases such as natural gas, propane and bottled gas. Valve is certified for natural gas service by CSA International.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Turret base with single outlet and removable locator pins.

Valve Body: Angle pattern forged brass.

Headwork: Self-contained push/turn cartridge with rotating ceramic discs. Valve locks in closed position.

Handle: Die cast metal handle with index disc and pop-up indicator buttons. Handle locks in closed position. Handle must be pushed down to unlock and open valve. Red pop-up buttons indicate if valve is in open or closed position. Handle and index disc are color coded and marked per EN 13792.

Inlet: Furnished with mounting shank, locknut and washer. G1/2 male inlet.

Outlet: G3/8 female outlet with removable serrated hose end.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 10 bar (150 PSI) test pressure, 7 bar (100 PSI) maximum working pressure.

Note: If pop-up indicator buttons are not required, delete suffix "I". Fitting will be furnished with molded nylon hooded handle.

BT4860FI-226WSA

Push/Turn Gas Valve, Wall/Panel/Overhead Mounted



Application: Control of burning or combustible gases such as natural gas, propane and bottled gas. Valve is certified for natural gas service by CSA International.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Flanged inlet with removable locator pins.

Valve Body: Straight pattern forged brass.

Headwork: Self-contained push/turn cartridge with rotating ceramic discs. Valve locks in closed position.

Handle: Die cast metal handle with index disc and pop-up indicator buttons. Handle locks in closed position. Handle must be pushed down to unlock and open valve. Red pop-up buttons indicate if valve is in open or closed position. Handle and index disc are color coded and marked per EN 13792.

Inlet: Furnished with mounting shank, locknut and washer. G1/2 male inlet.

Outlet: G3/8 female outlet with removable serrated hose end.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 10 bar (150 PSI) test pressure, 7 bar (100 PSI) maximum working pressure.

Note: If pop-up indicator buttons are not required, delete suffix "I". Fitting will be furnished with molded nylon hooded handle.

Optional Features

Finish Options:

- Gray powder coated finish (GRY)
- Polished chrome plated finish with clear epoxy coating (PCL)
- Satin chrome plated finish with clear epoxy coating (SCC)
- Satin nickel plated finish with clear epoxy coating (SNC)

FlowStop/Filter Options:

- FlowStop volume control and shut-off valve installed in turret base or valve body (use prefix "BTFS")
- Removable filter to remove debris and impurities from media flow (use prefix "BTFL")

Valve Options:

- Integral check valve to prevent backflow (add suffix "CV")

Outlet Option:

- Angle serrated hose end in place of straight hose end (order BT3162 or BT4862)

BT5160FI-226WSA

Push/Turn Gas Valve, Wall/Panel Mounted



Application: Control of burning or combustible gases such as natural gas, propane and bottled gas. Valve is certified for natural gas service by CSA International.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Flanged inlet with removable locator pins.

Valve Body: Angle pattern forged brass.

Headwork: Self-contained push/turn cartridge with rotating ceramic discs. Valve locks in closed position.

Handle: Die cast metal handle with index disc and pop-up indicator buttons. Handle locks in closed position. Handle must be pushed down to unlock and open valve. Red pop-up buttons indicate if valve is in open or closed position. Handle and index disc are color coded and marked per EN 13792.

Inlet: Furnished with mounting shank, locknut and washer. G1/2 male inlet.

Outlet: G3/8 female outlet with removable serrated hose end.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 10 bar (150 PSI) test pressure, 7 bar (100 PSI) maximum working pressure.

Note: If pop-up indicator buttons are not required, delete suffix "I". Fitting will be furnished with molded nylon hooded handle.

BT5260FI-226WSA

Push/Turn Gas Valve, Wall/Panel Mounted



Application: Control of burning or combustible gases such as natural gas, propane and bottled gas. Valve is certified for natural gas service by CSA International.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Flanged inlet with removable locator pins.

Valve Body: Angle pattern forged brass.

Headwork: Self-contained push/turn cartridge with rotating ceramic discs. Valve locks in closed position.

Handle: Die cast metal handle with index disc and pop-up indicator buttons. Handle locks in closed position. Handle must be pushed down to unlock and open valve. Red pop-up buttons indicate if valve is in open or closed position. Handle and index disc are color coded and marked per EN 13792.

Inlet: Furnished with mounting shank, locknut and washer. G1/2 male inlet.

Outlet: G3/8 female angle outlet with removable serrated hose end.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 10 bar (150 PSI) test pressure, 7 bar (100 PSI) maximum working pressure.

Note: If pop-up indicator buttons are not required, delete suffix "I". Fitting will be furnished with molded nylon hooded handle.

Optional Features

Finish Options:

- Gray powder coated finish (GRY)
- Polished chrome plated finish with clear epoxy coating (PCL)
- Satin chrome plated finish with clear epoxy coating (SCC)
- Satin nickel plated finish with clear epoxy coating (SNC)

FlowStop/Filter Options:

- FlowStop volume control and shut-off valve installed in valve body (use prefix "BTFS")
- Removable filter to remove debris and impurities from media flow (use prefix "BTFL")

Valve Options:

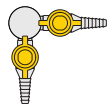
- Integral check valve to prevent backflow (add suffix "CV")

Outlet Option:

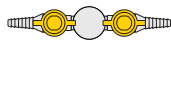
- Angle serrated hose end in place of straight hose end (order BT5162)

BT4160-231WSA

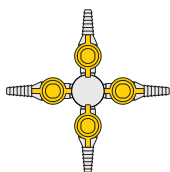
Lift/Turn Gas Valve, Bench Mounted



BT4160-232AWSA



BT4160-232SWSA



BT4160-234WSA

Application: Control of burning or combustible gases such as natural gas, propane and bottled gas. Valve is certified for natural gas service by CSA International.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Turret base with single outlet and removable locator pins.

Valve Body: Straight pattern forged brass.

Headwork: Quarter-turn ball valve construction with chrome plated brass ball and molded TFE seals. Valve locks in closed position.

Handle: Spring-loaded molded nylon handle with brass insert and index disc. Handle locks in closed position. Handle must be pulled up to unlock and turned to open valve. Handle alignment indicates if valve is in open or closed position. Handle and index are color coded and marked per EN 13792.

Inlet: Furnished with mounting shank, locknut and washer. G1/2 male inlet.

Outlet: Integral (nonremovable) serrated hose end.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 8.5 bar (125 PSI) test pressure, 5 bar (75 PSI) maximum working pressure.

BT4160-148-2SWSA

Double Lift/Turn Gas Valve, Overhead Mounted



Application: Control of burning or combustible gases such as natural gas, propane and bottled gas. Valve is certified for natural gas service by CSA International.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Wye fitting with two outlets and removable locator pins.

Valve Bodies: Straight pattern forged brass.

Headworks: Quarter-turn ball valve construction with chrome plated brass balls and molded TFE seals. Valves lock in closed position.

Handles: Spring-loaded molded nylon handles with brass inserts and index discs. Handles lock in closed position. Handles must be pulled up to unlock and turned to open valves. Handle alignment indicates if valves are in open or closed position. Handles and indexes are color coded and marked per EN 13792.

Inlet: Furnished with mounting shank, locknut and washer. G1/2 male inlet.

Outlets: Integral (nonremovable) serrated hose ends.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 8.5 bar (125 PSI) test pressure, 5 bar (75 PSI) maximum working pressure.

Optional Features

Finish Options:

- Gray powder coated finish (GRY)
- Polished chrome plated finish with clear epoxy coating (PCL)
- Satin chrome plated finish with clear epoxy coating (SCC)
- Satin nickel plated finish with clear epoxy coating (SNC)

FlowStop/Filter Options:

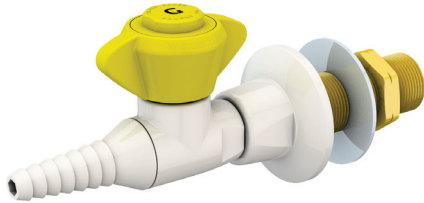
- FlowStop volume control and shut-off valve installed in turret base or valve body (use prefix "BTF5")
- Removable filter to remove debris and impurities from media flow (use prefix "BTFL")

Valve Options:

- Integral check valve to prevent backflow (add suffix "CV")

BT4160-158WSA

Lift/Turn Gas Valve, Wall/Panel/Overhead Mounted



Application: Control of burning or combustible gases such as natural gas, propane and bottled gas. Valve is certified for natural gas service by CSA International.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Inlet flange with removable locator pins.

Valve Body: Straight pattern forged brass.

Headwork: Quarter-turn ball valve construction with chrome plated brass ball and molded TFE seals. Valve locks in closed position.

Handle: Spring-loaded molded nylon handle with brass insert and index disc. Handle locks in closed position. Handle must be pulled up to unlock and turned to open valve. Handle alignment indicates if valve is in open or closed position. Handle and index are color coded and marked per EN 13792.

Inlet: Furnished with mounting shank, locknut and washer. G1/2 male inlet.

Outlet: Integral (nonremovable) serrated hose end.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 8.5 bar (125 PSI) test pressure, 5 bar (75 PSI) maximum working pressure.

BT4160-141WSA

Double Lift/Turn Gas Valve, Wall/Panel Mounted



Application: Control of burning or combustible gases such as natural gas, propane and bottled gas. Valve is certified for natural gas service by CSA International.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Wye fitting with two outlets and removable locator pins.

Valve Bodies: Straight pattern forged brass.

Headworks: Quarter-turn ball valve construction with chrome plated brass balls and molded TFE seals. Valves lock in closed position.

Handles: Spring-loaded molded nylon handles with brass inserts and index discs. Handles lock in closed position. Handles must be pulled up to unlock and turned to open valves. Handle alignment indicates if valves are in open or closed position. Handles and indexes are color coded and marked per EN 13792.

Inlet: Furnished with mounting shank, locknut and washer. G1/2 male inlet.

Outlets: Integral (nonremovable) serrated hose ends.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 8.5 bar (125 PSI) test pressure, 5 bar (75 PSI) maximum working pressure.

Optional Features

Finish Options:

- Gray powder coated finish (GRY)
- Polished chrome plated finish with clear epoxy coating (PCL)
- Satin chrome plated finish with clear epoxy coating (SCC)
- Satin nickel plated finish with clear epoxy coating (SNC)

FlowStop/Filter Options:

- FlowStop volume control and shut-off valve installed in turret base or valve body (use prefix "BTFS")
- Removable filter to remove debris and impurities from media flow (use prefix "BTFL")

Valve Options:

- Integral check valve to prevent backflow (add suffix "CV")

BT739

Fume Cupboard Valve, Angle Face



Application: Panel mounted valve for installation on 45 degree angle face of cupboard. All working components of valve are accessible from front exterior face of cupboard.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Valve is installed from behind panel and is secured with external locking ring and escutcheon on front of cupboard. Maximum panel thickness is 3mm (1/8"). Specify left hand (L) or right hand (R) mounting when ordering.

Valve Body: Forged brass.

Handle: Molded nylon hooded style handle with index disc. Handle and index are color coded and marked per EN 13792.

Inlet/Outlet: G3/8 female inlet and outlet.

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

Models

Water:

- **BT739LW/RW** Water valve construction with compression valve cartridge
- **BTC739LW/RW** Water valve construction with ceramic disc cartridge

Laboratory Gases:

- **BT739LFCN/RFCN** Fine control needle valve construction (cleaned, lubricated and packaged for high purity gas service)
- **BT739LN/RN** Needle valve construction

Burning Gases:

- **BT739LG/RG** Push/turn gas valve construction
- **BT739LGI/RGI** Push/turn gas valve construction with pop-up indicator buttons

Steam:

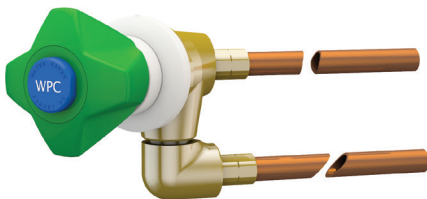
- **BT739LS/RS** Steam valve construction

Pure Water:

- **BT739LWTL/RWTL** Tin-lined water valve construction with compression valve cartridge

BT759

Fume Cupboard Valve, Angle Face



Application: Panel mounted valve for installation on angle face of cupboard. All working components of valve are accessible from front exterior face of cupboard.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Valve is installed from behind panel and is secured with external locking ring and escutcheon on front of cupboard. Maximum panel thickness is 3mm (1/8").

Valve Body: Forged brass.

Handle: Molded nylon hooded style handle with index disc. Handle and index are color coded and marked per EN 13792.

Inlet/Outlet: 10mm OD x 700mm copper tubes on inlet and outlet. When used for natural gas and pure water service, stainless steel tubes are furnished.

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

Models

Water:

- **BT759LW/RW** Water valve construction with compression valve cartridge
- **BTC759LW/RW** Water valve construction with ceramic disc cartridge

Laboratory Gases:

- **BT759LFCN/RFCN** Fine control needle valve construction (cleaned, lubricated and packaged for high purity gas service)
- **BT759LN/RN** Needle valve construction

Burning Gases:

- **BT759LG/RG** Push/turn gas valve construction
- **BT759LGI/RGI** Push/turn gas valve construction with pop-up indicator buttons

Steam:

- **BT759LS/RS** Steam valve construction

Pure Water:

- **BT759LWTL/RWTL** Tin-lined water valve construction with compression valve cartridge

Optional Features

Finish Options:

- Gray powder coated finish (GRY)
- Polished chrome plated finish with clear epoxy coating (PCL)
- Satin chrome plated finish with clear epoxy coating (SCC)
- Satin nickel plated finish with clear epoxy coating (SNC)

BT740

Fume Cupboard Valve, Straight Face



Application: Panel mounted valve for installation on straight face of cupboard. All working components of valve are accessible from front exterior face of cupboard.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Valve is installed from behind panel and is secured with external locking ring and escutcheon on front of cupboard. Maximum panel thickness is 3mm (1/8").

Valve Body: Forged brass.

Handle: Molded nylon hooded style handle with index disc. Handle and index are color coded and marked per EN 13792.

Inlet/Outlet: G3/8 female inlet and outlet.

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

Models

Water:

- **BT740W** Water valve construction with compression valve cartridge
- **BTC740W** Water valve construction with ceramic disc cartridge

Laboratory Gases:

- **BT740FCN** Fine control needle valve construction (cleaned, lubricated and packaged for high purity gas service)
- **BT740N** Needle valve construction

Burning Gases:

- **BT740G** Push/turn gas valve construction
- **BT740GI** Push/turn gas valve construction with pop-up indicator buttons

Steam:

- **BT740S** Steam valve construction

Pure Water:

- **BT740WTL** Tin-lined water valve construction with compression valve cartridge

BT750

Fume Cupboard Valve, Straight Face



Application: Panel mounted valve for installation on straight face of cupboard. All working components of valve are accessible from front exterior face of cupboard.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Valve is installed from front exterior face of cupboard and is secured from behind panel with locknut and set screws. Maximum panel thickness is 25mm (1").

Valve Body: Brass bar stock.

Handle: Molded nylon hooded style handle with index disc. Handle and index are color coded and marked per EN 13792.

Inlet/Outlet: 10mm x 700mm copper tubes on inlet and outlet. When used for natural gas and pure water service, stainless steel tubes are furnished.

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

Models

Water:

- **BT750W** Water valve construction with compression valve cartridge
- **BTC750W** Water valve construction with ceramic disc cartridge

Laboratory Gases:

- **BT750FCN** Fine control needle valve construction (cleaned, lubricated and packaged for high purity gas service)
- **BT750N** Needle valve construction

Burning Gases:

- **BT750G** Push/turn gas valve construction
- **BT750GI** Push/turn gas valve construction with pop-up indicator buttons

Steam:

- **BT750S** Steam valve construction

Pure Water:

- **BT750WTL** Tin-lined water valve construction with compression valve cartridge

Optional Features

Finish Options:

- Gray powder coated finish (GRY)
- Polished chrome plated finish with clear epoxy coating (PCL)
- Satin chrome plated finish with clear epoxy coating (SCC)
- Satin nickel plated finish with clear epoxy coating (SNC)

BT751

Fume Cupboard Valve, Straight Face



Application: Panel mounted valve for installation on straight face of cupboard. All working components of valve are accessible from front exterior face of cupboard.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Valve is installed from front exterior face of cupboard and is secured from behind panel with locknut and set screws. Maximum panel thickness is 25mm (1").

Valve Body: Brass bar stock.

Handle: Molded nylon hooded style handle with index disc. Handle and index are color coded and marked per EN 13792.

Inlet/Outlet: G1/4 female inlet and outlet.

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

Models

Water:

- **BT751W** Water valve construction with compression valve cartridge
- **BTC751W** Water valve construction with ceramic disc cartridge

Laboratory Gases:

- **BT751FCN** Fine control needle valve construction (cleaned, lubricated and packaged for high purity gas service)
- **BT751N** Needle valve construction

Burning Gases:

- **BT751G** Push/turn gas valve construction
- **BT751GI** Push/turn gas valve construction with pop-up indicator buttons

Steam:

- **BT751S** Steam valve construction

Pure Water:

- **BT751WTL** Tin-lined water valve construction with compression valve cartridge

BT753

Fume Cupboard Valve, Angle Face



Application: Panel mounted valve for installation on 45 degree angle face of cupboard. All working components of valve are accessible from front exterior face of cupboard.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Valve is installed from front exterior face of cupboard and is secured with mounting screws. Maximum panel thickness is 25mm (1").

Valve Body: Forged brass.

Handle: Molded nylon hooded style handle with index disc. Handle and index are color coded and marked per EN 13792.

Inlet/Outlet: 10mm x 700mm copper tubes on inlet and outlet. When used for natural gas and pure water service, stainless steel tubes are furnished.

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

Models

Water:

- **BT753W** Water valve construction with compression valve cartridge
- **BTC753W** Water valve construction with ceramic disc cartridge

Laboratory Gases:

- **BT753FCN** Fine control needle valve construction (cleaned, lubricated and packaged for high purity gas service)
- **BT753N** Needle valve construction

Burning Gases:

- **BT753G** Push/turn gas valve construction
- **BT753GI** Push/turn gas valve construction with pop-up indicator buttons

Steam:

- **BT753S** Steam valve construction

Pure Water:

- **BT753WTL** Tin-lined water valve construction with compression valve cartridge

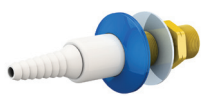
Optional Features

Finish Options:

- Gray powder coated finish (GRY)
- Polished chrome plated finish with clear epoxy coating (PCL)
- Satin chrome plated finish with clear epoxy coating (SCC)
- Satin nickel plated finish with clear epoxy coating (SNC)

ColorTech BT fume cupboard outlets are available in whatever finishes and colors are desired for the particular application. Unless otherwise specified, the standard finish for outlets is (i) for the flange, a colored powder coated finish coded per the service color, and (ii) for the body of the fitting and serrated hose end, a white powder coated finish. Standard finishes are therefore as follows:

Service	Flange Color	Body/Hose End Color
Water	Green	White
Flammable Hydrocarbons	Yellow	White
Other Combustible Gases	Red	White
Non-Flammable Gases	Blue	White
Toxic Gases	Black	White
Vacuum	Gray	White



BT020WSA

Panel mounted flange with straight serrated hose end. Furnished with mounting shank, locknut and washer. G1/2 male inlet.



BT021WSA

Molded nylon panel mounted flange with nylon 45 degree angle serrated hose end. Specify color when ordering. Furnished with brass mounting shank, locknut and washer. G1/2 male inlet.



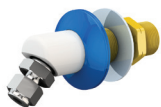
BT022WSA

Panel mounted flange with 45 degree angle serrated hose end. Furnished with mounting shank, locknut and washer. G1/2 male inlet.



BT023WSA

Panel mounted flange with 45 degree angle quick connect fitting. Quick connect has 1/4" IPS plug. Furnished with mounting shank, locknut and washer. G1/2 male inlet.



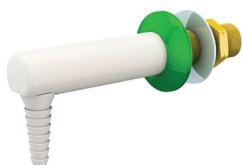
BT024WSA

Panel mounted flange with 45 degree angle 8mm compression fitting. Furnished with mounting shank, locknut and washer. G1/2 male inlet.



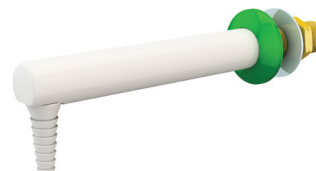
BT050WSA

Deck or panel mounted body with 90 degree anti-splash serrated hose end. 54mm (2-1/8") from panel to hose end. Furnished with mounting shank, locknut and washer. G1/2 male inlet.



BT051WSA

Panel mounted body with 90 degree anti-splash serrated hose end. 89mm (3-1/2") from panel to hose end. Furnished with mounting shank, locknut and washer. G1/2 male inlet.



BT052WSA

Panel mounted body with 90 degree anti-splash serrated hose end. 152mm (6") from panel to hose end. Furnished with mounting shank, locknut and washer. G1/2 male inlet.

Optional Features

Valve Option:

- Integral check valve to prevent backflow (add suffix "CV")

High Purity Option:

- Cleaning, lubricating and packaging for oxygen and high purity gas service (CLN)

ColorTech BT fume cupboard outlets are available in whatever finishes and colors are desired for the particular application. Unless otherwise specified, the standard finish for outlets is (i) for the flange, a colored powder coated finish coded per the service color, and (ii) for the body of the fitting and serrated hose end, a white powder coated finish. Standard finishes are therefore as follows:

Service	Flange Color	Body/Hose End Color
Water	Green	White
Flammable Hydrocarbons	Yellow	White
Other Combustible Gases	Red	White
Non-Flammable Gases	Blue	White
Toxic Gases	Black	White
Vacuum	Gray	White

BT071WSA

Gooseneck, Wall/ Panel Mounted



Application: Gooseneck for use with fume cupboard valve.

Finish: Green flange with white finish on body, gooseneck and hose end as standard.

Mounting: Panel mounted.

Body: Brass bar stock.

Gooseneck: 6" (152mm) rigid gooseneck.

Inlet: Furnished with mounting shank, locknut and washer. G1/2 male inlet.

Outlet: G3/8 female outlet with removable anti-splash serrated hose end.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 10 bar (150 PSI) test pressure and maximum working pressure.

Additional Model

BT074WSA Same as above except with convertible rigid/swing gooseneck.

BT081WSA

Gooseneck, Bench Mounted



Application: Gooseneck for use with fume cupboard valve.

Finish: Green flange with white finish on body, gooseneck and hose end as standard.

Mounting: Bench or countertop mounted.

Body: Brass bar stock.

Gooseneck: 6" (152mm) rigid gooseneck.

Inlet: Furnished with mounting shank, locknut and washer. G1/2 male inlet.

Outlet: G3/8 female outlet with removable anti-splash serrated hose end.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 10 bar (150 PSI) test pressure and maximum working pressure.

Additional Model

BT084WSA Same as above except with convertible rigid/swing gooseneck.

Optional Features

Gooseneck Option:

- 8" (203mm) spread gooseneck (add suffix "-8")

Outlet Options:

- B0055 aerator in place of serrated hose end (add suffix "-55")
- BT118 pipe interrupter fitting to prevent back-siphonage (add suffix "-118")

BTVR380

Single Water Tap, Bench Mounted, Vandal-Resistant Construction



Application: Laboratory water tap for cold water. Tap has heavy duty construction to withstand bending, breakage and disassembly. All threaded connections are secured with cement.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Bench or countertop mounted with locator pins.

Body: Forged brass.

Headwork: WaterSaver self-contained compression valve cartridge with replaceable stainless steel seat. Packing nut is secured with set screw to prevent removal.

Handle: Molded nylon hooded style handle with index disc. Handle and index are color coded and marked per EN 13792. Index disc is cemented in place.

Riser: Brass riser with 6" (152mm) spread. Riser is 1/2" IPS heavy wall pipe to resist bending and breakage.

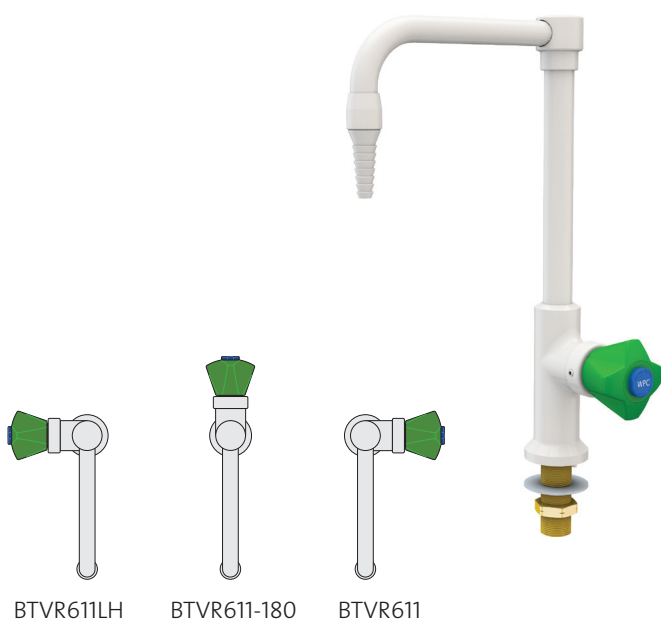
Inlet: Furnished with mounting shank, locknut and washer. G1/2 male inlet.

Outlet: G3/8 female outlet with anti-splash serrated hose end. Hose end has internal check valve to prevent backflow. Hose end is secured with set screw to prevent removal.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 10 bar (150 PSI) test pressure and maximum working pressure.

BTVR611

Single Water Tap, Bench Mounted



Application: Laboratory water tap for cold water. Tap has heavy duty construction to withstand bending, breakage and disassembly. All threaded connections are secured with cement.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Bench or countertop mounted with locator pins.

Body: Forged brass.

Headwork: WaterSaver self-contained compression valve cartridge with replaceable stainless steel seat. Packing nut is secured with set screw to prevent removal.

Handle: Molded nylon hooded style handle with index disc. Handle and index are color coded and marked per EN 13792. Index disc is cemented in place.

Gooseneck: 6" (152mm) rigid gooseneck. Gooseneck riser is 1/2" IPS heavy wall pipe to resist bending and breakage. Gooseneck is set in right hand configuration unless left hand or 180 degrees is specified.

Inlet: Furnished with mounting shank, locknut and washer. G1/2 male inlet.

Outlet: G3/8 female outlet with anti-splash serrated hose end. Hose end has internal check valve to prevent backflow. Hose end is secured with set screw to prevent removal.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 10 bar (150 PSI) test pressure and maximum working pressure.

Optional Features

Finish Options:

- Gray powder coated finish (GRY)
- Polished chrome plated finish with clear epoxy coating (PCL)
- Satin chrome plated finish with clear epoxy coating (SCC)
- Satin nickel plated finish with clear epoxy coating (SNC)

Headwork/Valve Options:

- Compression valve cartridge with adjustable volume control (use prefix "BTA")
- Ceramic disc valve cartridge (use prefix "BTC")

Handle Option:

- Forged brass wrist blade handle in place of hooded handle (add suffix "BH")

Riser/Gooseneck Option:

- 8" (203mm) spread riser or gooseneck (add suffix "-8")

Outlet Options:

- VRB0055 vandal-resistant aerator in place of serrated hose end (add suffix "-55")
- BT118 pipe interrupter fitting to prevent back-siphonage (add suffix "-118")

BTVR411

Mixer Tap, Bench Mounted, Vandal-Resistant Construction



Application: Laboratory water mixer tap for hot and cold water. Tap has heavy duty construction to withstand bending, breakage and disassembly. All threaded connections are secured with cement.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Bench or countertop mounted with locator pins.

Body: Forged brass.

Headworks: WaterSaver self-contained compression valve cartridges with replaceable stainless steel seats. Packing nuts are secured with set screws to prevent removal.

Handles: Molded nylon hooded style handles with index discs. Handles and indexes are color coded and marked per EN 13792. Index discs are cemented in place.

Gooseneck: 6" (152mm) rigid gooseneck. Gooseneck riser is 1/2" IPS heavy wall pipe to resist bending and breakage.

Inlets: (2) 10mm OD flexible copper tubes. Furnished complete with 30.5mm (1-3/16") dia. mounting shank, locknut and washer.

Outlet: G3/8 female outlet with anti-splash serrated hose end. Hose end has internal check valve to prevent backflow. Hose end is secured with set screw to prevent removal.

Additional Model

BTVR414 Same as above except with rigid/swing gooseneck.

BTVR1611WSA

Mixer Tap, Bench Mounted, Vandal-Resistant Construction



Application: Laboratory water mixer tap for hot and cold water. Tap has heavy duty construction to withstand bending, breakage and disassembly. All threaded connections are secured with cement.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Bench or countertop mounted.

Body: Cast brass.

Headworks: WaterSaver self-contained compression valve cartridges with replaceable stainless steel seats. Packing nuts are secured with set screws to prevent removal.

Handles: Molded nylon hooded style handles with index discs. Handles and indexes are color coded and marked per EN 13792. Index discs are cemented in place.

Gooseneck: 6" (152mm) rigid gooseneck. Gooseneck riser is 1/2" IPS heavy wall pipe to resist bending and breakage.

Inlets: (2) G1/2 male inlets on 180mm center dimension. Furnished with mounting shanks, locknuts and washers.

Outlet: G3/8 female outlet with removable anti-splash serrated hose end. Hose end has internal check valve to prevent backflow. Hose end is secured with set screw to prevent removal.

Additional Model

BTVR1614WSA Same as above except with rigid/swing gooseneck.

Optional Features

Finish Options:

- Gray powder coated finish (GRY)

Handle Option:

- Forged brass wrist blade handle in place of hooded handle (add suffix "-BH").

Gooseneck Option:

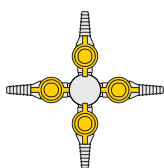
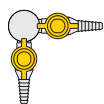
- 8" (203mm) spread gooseneck (add suffix "-8")

Outlet Options:

- VRBO055 vandal-resistant aerator in place of serrated hose end (add suffix "-55")
- BT118 pipe interrupter fitting to prevent back-siphonage (add suffix "-118")

BTVR4160-231WSA

Lift/Turn Gas Valve, Bench Mounted, Vandal-Resistant



BTVR4160-232AWSA BTVR4160-232SWSA BTVR4160-234WSA

Application: Control of burning or combustible gases such as natural gas, propane and bottled gas. Valve is certified for natural gas service by CSA International. Fitting has heavy duty construction to withstand bending, breakage and disassembly. All threaded connections are secured with cement.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Turret base with single outlet and locator pins.

Valve Body: Straight pattern forged brass.

Headwork: Quarter-turn ball valve construction with chrome plated brass ball and molded TFE seals. Valve locks in closed position. Valve has integral check valve to prevent backflow.

Handle: Spring-loaded molded nylon handle with brass insert and index disc. Handle locks in closed position. Handle must be pulled up to unlock and turned to open valve. Handle alignment indicates if valve is in open or closed position. Handle and index are color coded and marked per EN 13792. Index disc is cemented in place.

Inlet: Furnished with mounting shank, locknut and washer. G1/2 male inlet.

Outlet: Integral (nonremovable) serrated hose end.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 8.5 bar (125 PSI) test pressure, 5 bar (75 PSI) maximum working pressure.

BTVR4160-141WSA

Double Lift/Turn Gas Valve, Wall/Panel Mounted, Vandal-Resistant



Application: Control of burning or combustible gases such as natural gas, propane and bottled gas. Valve is certified for natural gas service by CSA International. Fitting has heavy duty construction to withstand bending, breakage and disassembly. All threaded connections are secured with cement.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Wye fitting with two outlets and locator pins.

Valve Bodies: Straight pattern forged brass.

Headworks: Quarter-turn ball valve construction with chrome plated brass balls and molded TFE seals. Valves lock in closed position. Valves have integral check valves to prevent backflow.

Handles: Spring-loaded molded nylon handles with brass inserts and index discs. Handles lock in closed position. Handles must be pulled up to unlock and turned to open valves. Handle alignment indicates if valves are in open or closed position. Handles and indexes are color coded and marked per EN 13792. Index discs are cemented in place.

Inlet: Furnished with mounting shank, locknut and washer. G1/2 male inlet.

Outlets: Integral (nonremovable) serrated hose ends.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 8.5 bar (125 PSI) test pressure, 5 bar (75 PSI) maximum working pressure.

Optional Features

Finish Options:

- Gray powder coated finish (GRY)
- Polished chrome plated finish with clear epoxy coating (PCL)
- Satin chrome plated finish with clear epoxy coating (SCC)
- Satin nickel plated finish with clear epoxy coating (SNC)

BT2920-2A-BM

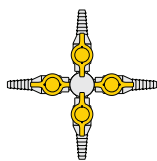
Double Lift/Turn Gas Valve, Bench Mounted



BT2920-1BM



BT2920-2S-BM



BT2920-4BM

Application: Control of burning or combustible gases such as natural gas, propane and bottled gas. Fitting is designed as an alternative to the “drop lever” valves used for low pressure gas applications in the United Kingdom and other markets.

Finish: Furnished with white powder coated finish.

Mounting: Turret base with two outlets at 90 degrees and removable locator pins.

Valve Bodies: Straight pattern forged brass.

Headworks: Quarter-turn ball valve construction with chrome plated brass balls and molded TFE seals. Valves lock in closed position.

Handle: Spring-loaded molded nylon handles. Handles lock in closed position. Handles must be pulled up to unlock and turned to open valves. Handle alignment indicates if valves are in open or closed position. Handles are color coded and marked per EN 13792.

Inlet: Furnished with mounting shank, locknut and washer. G1/4 male inlet.

Outlet: Integral (nonremovable) serrated hose end.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 8.5 bar (125 PSI) test pressure, 5 bar (75 PSI) maximum working pressure.

BT2920-2PM

Double Lift/Turn Gas Valve, Wall/Panel Mounted



Application: Control of burning or combustible gases such as natural gas, propane and bottled gas. Fitting is designed as an alternative to the “drop lever” valves used for low pressure gas applications in the United Kingdom and other markets.

Finish: Furnished with white powder coated finish.

Mounting: Wye fitting with two outlets and removable locator pins.

Valve Bodies: Straight pattern forged brass.

Headworks: Quarter-turn ball valve construction with chrome plated brass balls and molded TFE seals. Valves lock in closed position.

Handles: Spring-loaded molded nylon handles. Handles lock in closed position. Handles must be pulled up to unlock and turned to open valves. Handle alignment indicates if valves are in open or closed position. Handles are color coded and marked per EN 13792.

Inlet: Furnished with mounting shank, locknut and washer. G1/4 male inlet.

Outlets: Integral (nonremovable) serrated hose ends.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 8.5 bar (125 PSI) test pressure, 5 bar (75 PSI) maximum working pressure.

Additional Model

BT2920-1PM Same as above except single valve.

In response to the increasing demand for products that help preserve the environment and conserve scarce natural resources, the Government of Singapore Public Utilities Board (PUB) has developed the Water Efficiency Labeling Scheme (WELS). The purpose of the WELS Scheme is to permit facility owners, designers and contractors to make informed decisions in selecting water-conserving equipment and products.

Under the WELS Scheme, water fittings are rated as to their water conservation characteristics. The highest rating (known as “Three Ticks”) requires that fittings deliver no more than four (4) liters of water at working pressures up to 5.5 bar (79.7 PSI). WaterSaver has developed a series of products that comply with this requirement. These products have been tested and certified by the PUB under the WELS Scheme. These products are shown on pages 51-53 herein.

BTV414

Mixer Tap, Bench Mounted, WELS-Certified



Application: Laboratory water mixer tap for hot and cold water. Tap is WELS certified with “3 ticks”.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Bench or countertop mounted with removable locator pins.

Body: Forged brass.

Headworks: WaterSaver self-contained compression valve cartridges with replaceable stainless steel seats. Cartridges contain internal flow controls to limit flow to 4 liters per minute.

Handles: Molded nylon hooded style handles with index discs. Handles and indexes are color coded and marked per EN 13792.

Gooseneck: 6” (152mm) convertible rigid/swing gooseneck.

Inlets: (2) 10mm OD flexible copper tubes. Furnished complete with 30.5mm (1-3/16”) dia. mounting shank, locknut and washer.

Outlet: G3/8 female outlet with removable anti-splash serrated hose end.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 10 bar (150 PSI) test pressure and maximum working pressure.

BTV414BH

Mixer Tap, Bench Mounted, Wrist Blade Handles, WELS-Certified



Application: Laboratory water mixer tap for hot and cold water. Tap is WELS certified with “3 ticks”.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Bench or countertop mounted with removable locator pins.

Body: Forged brass.

Headworks: WaterSaver self-contained compression valve cartridges with replaceable stainless steel seats. Cartridges contain internal flow controls to limit flow to 4 liters per minute.

Handles: Forged brass wrist blade handles with color-coded index discs. Index discs are marked per EN 13792.

Gooseneck: 6” (152mm) convertible rigid/swing gooseneck.

Inlets: (2) 10mm OD flexible copper tubes. Furnished complete with 30.5mm (1-3/16”) dia. mounting shank, locknut and washer.

Outlet: G3/8 female outlet with removable anti-splash serrated hose end.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 10 bar (150 PSI) test pressure and maximum working pressure.

Optional Features

Finish Options:

- Gray powder coated finish (GRY)
- Polished chrome plated finish with clear epoxy coating (PCL)
- Satin chrome plated finish with clear epoxy coating (SCC)
- Satin nickel plated finish with clear epoxy coating (SNC)

Gooseneck Option:

- 8” (203mm) spread gooseneck (add suffix “-8”)

Outlet Option:

- BO055 aerator in place of serrated hose end (add suffix “-55”)

BTV382

Double Water Tap, Bench Mounted, WELS-Certified



Application: Laboratory water tap with two outlets for cold water. Tap is WELS certified with “3 ticks”.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Bench or countertop mounted with removable locator pins.

Bodies: Forged brass.

Headworks: WaterSaver self-contained compression valve cartridges with replaceable stainless steel seats. Cartridges contain internal flow controls to limit flow to 4 liters per minute.

Handles: Molded nylon hooded style handles with index discs. Handles and indexes are color coded and marked per EN 13792.

Riser: Brass riser with 6" (152mm) spread to each valve.

Inlet: Furnished with mounting shank, locknut and washer. G1/2 male inlet.

Outlets: G3/8 female outlets with removable anti-splash serrated hose ends.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 10 bar (150 PSI) test pressure and maximum working pressure.

BTV382BH

Double Water Tap, Bench Mounted, Wrist Blade Handles, WELS-Certified



Application: Laboratory water tap with two outlets for cold water. Tap is WELS certified with “3 ticks”.

Finish: Furnished with white powder coated finish as standard. Other colors and finishes available as options (see below).

Mounting: Bench or countertop mounted with removable locator pins.

Bodies: Forged brass.

Headworks: WaterSaver self-contained compression valve cartridges with replaceable stainless steel seats. Cartridges contain internal flow controls to limit flow to 4 liters per minute.

Handles: Forged brass wrist blade handles with color-coded index discs. Index discs are marked per EN 13792.

Riser: Brass riser with 6" (152mm) spread to each valve.

Inlet: Furnished with mounting shank, locknut and washer. G1/2 male inlet.

Outlets: G3/8 female outlets with removable anti-splash serrated hose ends.

Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 10 bar (150 PSI) test pressure and maximum working pressure.

Optional Features

Finish Options:

- Gray powder coated finish (GRY)
- Polished chrome plated finish with clear epoxy coating (PCL)
- Satin chrome plated finish with clear epoxy coating (SCC)
- Satin nickel plated finish with clear epoxy coating (SNC)

Riser Option:

- Brass riser with 8" (203mm) spread (add suffix “-8”)

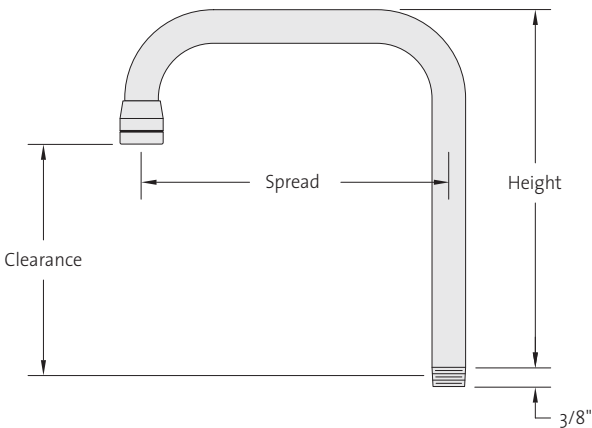
Outlet Option:

- BO055 aerator in place of serrated hose end (add suffix “-55”)

WaterSaver offers two styles of goosenecks for ColorTech BT water fittings. Rigid goosenecks thread directly into the top of the tap body. The gooseneck is thus absolutely rigid. Convertible rigid/swing goosenecks have a union-style construction with union nut and two O-rings. Goosenecks can be set as either rigid or swing in the field.

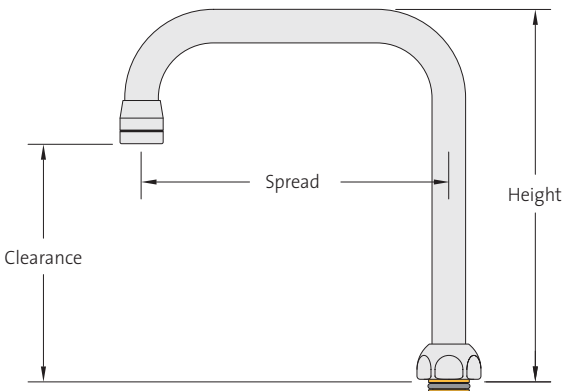
All goosenecks and spouts are fabricated of heavy wall brass tubing with a minimum wall thickness of .085" (2.2mm). Goosenecks and spouts will therefore resist bending and stand up to even the most demanding lab conditions. Goosenecks and spouts have a separate outlet coupling with a G3/8 thread soldered to the end of the tube for attachment of serrated hose ends, aerators and other outlet fittings.

Rigid Goosenecks



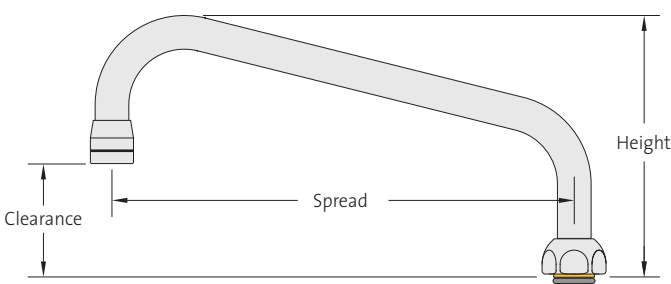
Rigid Goosenecks	Spread	Height	Clearance
BTRG4	4" (102mm)	7 3/4" (197mm)	5-1/8" (130mm)
BTRG6	6" (152mm)		
BTRG8	8" (203mm)		
BTRG9	9" (229mm)		
BTRG10	10" (254mm)		
BTRG12	12" (305mm)		

Rigid/Swing Goosenecks



Rigid/Swing Goosenecks	Spread	Height	Clearance
BTRS4	4" (102mm)	8 1/4" (210mm)	5 5/8" (143mm)
BTRS6	6" (152mm)		
BTRS8	8" (203mm)		
BTRS9	9" (229mm)		
BTRS10	10" (254mm)		
BTRS12	12" (305mm)		

Swing Spouts



Spouts	Spread	Height	Clearance
BTRSW6	6" (152mm)	4-3/8" (111mm)	1-1/2" (38mm)
BTRSW9	9" (229mm)	5-1/8" (130mm)	2-1/4" (57mm)
BTRSW12	12" (305mm)	5-7/8" (149mm)	3" (76mm)

Inlet Fittings



BI231VR Turret base. 3/8" NPT female inlet, single 3/8" NPT female outlet.

BI232A-VR Same as above except with two outlets at 90 degrees.

BI232S-VR Same as above except with two outlets at 180 degrees.

BI234VR Same as above except with four outlets.



BI141VR Panel mounted wye fitting. 3/8" NPT female inlet, (2) 3/8" NPT female outlets at 90 degrees.

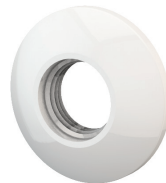


BI148-2S-VR Extended overhead mounted wye fitting. 3/8" NPT female inlet, (2) 3/8" NPT outlets at 90 degrees.

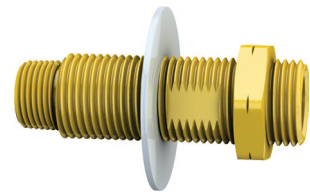
BI148VR same as above except single outlet.



BI158VR Panel mounted flange. 3/8" NPT female inlet and outlet.



BI226 Threaded escutcheon. G1/2 female thread.



BI237-02-08R Mounting shank with locknut and washer. 3/8" male NPT x G1/2 x 2-1/2" (63mm) OAL.

BI237-02-12R Same as above except 2-7/8" (73mm) OAL.

BI237-03-08R Same as above except 3-1/2" (89mm) OAL.

Outlet Fittings



BO138S-W Anti-splash serrated hose end for water. 3/8" NPS male inlet.

BO138S-G Serrated hose end for gases. 3/8" NPS male inlet.



BO142 Angled serrated hose end. 3/8" NPT male inlet.



BO127S Aspirator. 3/8" NPS male inlet.

BO124 Splash eliminator for use with BO127S aspirator.



BO055 Aerator. 3/8" NPS male inlet.

BO055FC Same as above except with internal flow control. Specify flow rate in GPM when ordering.

BO055VR Same as above except vandal-resistant.



BO183-8MM Compression fitting. 3/8" NPT male inlet, 8mm O.D. compression outlet.



BO188 Quick connect fitting. 3/8" NPT male inlet, 1/4" NPT male outlet.

Backflow Preventers



BT108 Continuous pressure backflow preventer. G3/8 female inlet and outlet.



BT118 Pipe interrupter fitting. G3/8 male inlet.

Handles



PA210DIN Molded nylon hooded style handle for water taps and valves. Specify color when ordering.

AA210DIN Same as above except die cast metal with powder coated finish.



PA211DIN Molded nylon hooded style handle for fine control needle valves, needle valves and fume cupboard valves. Specify color when ordering.

AA211DIN Same as above except die cast metal with powder coated finish.



BA044TS 4" wrist blade handle. Specify finish when ordering.



PA032 Molded nylon index button. Specify color and lettering when ordering.



PA207 Molded nylon index ring. Specify color when ordering.

The ColorTech BT laboratory safety equipment models shown on pages 57-60 are representative of the over three hundred styles available. Please refer to a ColorTech BT Laboratory Safety Equipment catalog, a ColorTech BT engineering catalog or to the WaterSaver website (wsflab.com) for complete information.

BTSS2150

Recessed Safety Station with Drain Pan, Exposed Shower Head



Application: Recessed barrier-free eye/face wash and shower safety station with ceiling mounted exposed shower head and drain pan.

Mounting: 16 gauge stainless steel cabinet with flanged rim for recessed mounting in wall. Unit fits in 3-5/8" (92mm) deep wall.

Shower Head: 10" (254mm) diameter stainless steel.

Shower Valve: 1" IPS brass stay-open ball valve with stainless steel "panic bar" actuator.

Cover/Drain Pan: 16 gauge stainless steel combination cover and drain pan. Grasping "panic bar" handle and opening cover pulls spray head assembly down from vertical to horizontal position, activating water flow. While unit is in operation, waste water is collected in drain pan and returned into cabinet for drainage. Unit remains in operation until cover is returned to closed position.

Eye/Face Wash Spray Head Assembly: Two FS-Plus™ spray heads mounted on supply arms. Each spray head has individually adjustable flow control and filter to remove impurities from water.

Eye/Face Wash Valve: Brass plug-type valve with O-ring seals. Furnished with in-line strainer to protect valve from debris and foreign matter.

Pipe and Fittings: Exposed pipe and escutcheon are stainless steel.

Supply: G1 female inlet.

Waste: 2" NPT female outlet.

Sign: Furnished with universal identification sign.

Quality Assurance: Unit is completely assembled and water tested prior to shipment. Unit is third-party certified to comply with ANSI Z358.1-2009 and EN 12889 Part 2.

U.S. Patent 5,768,721

Additional Models



BTSS2160 Same as above except with flush mounted shower head.



BTSS2170 Same as above except with wall mounted shower head.

The ColorTech BT laboratory safety equipment models shown on pages 57-60 are representative of the over three hundred styles available. Please refer to a ColorTech BT Laboratory Safety Equipment catalog, a ColorTech BT engineering catalog or to the WaterSaver website (wsflab.com) for complete information.

BTES670

Recessed Emergency Shower,
Exposed Shower Head



Application: Recessed emergency shower with ceiling mounted exposed shower head. Recessed shower conserves valuable floor space, while eliminating the clutter and obstruction created by conventional shower equipment. Unit can be installed in either a corridor or a lab room, close to where accidents might occur.

Shower Head: 10" (254mm) diameter stainless steel. Furnished with vertical supply pipe and ceiling escutcheon for mounting shower head at desired height below finished ceiling.

Valve: 1" IPS brass stay-open ball valve with stainless steel "panic bar." Pulling bar down activates shower; shower remains in operation until bar is returned to original closed position. Furnished with stainless steel access panel and unions for valve.

Pipe and Fittings: Exposed pipe and escutcheon are stainless steel.

Supply: G1 female inlet.

Sign: Furnished with universal identification sign.

Quality Assurance: Unit is completely assembled and water tested prior to shipment. Unit is third-party certified to comply with ANSI Z358.1-2009 and EN 12889 Part 2.

U.S. Patent 5,768,721

BTFE735DP

Swing-Down Eye/Face Wash
with Drain Pan, Recess Mounted



Application: Wall mounted swing-down eye/face wash with drain pan. Stainless steel cover provides attractive appearance and protects unit when not in use. When activated, cover serves as pan to collect waste water and return it into unit for drainage.

Spray Head Assembly: Two FS-Plus™ spray heads mounted on supply arms. Each spray head has individually adjustable flow control and filter to remove impurities from water.

Cover/Drain Pan: 16 gauge stainless steel combination cover and drain pan. Grasping "panic bar" handle and opening cover pulls spray head assembly down from vertical to horizontal position, activating water flow. While unit is in operation, waste water is collected in drain pan and returned into cabinet for drainage. Unit remains in operation until cover is returned to closed position.

Valve: Brass plug-type valve with O-ring seals. Furnished with in-line strainer to protect valve and spray heads from debris and foreign matter.

Mounting: 16 gauge stainless steel cabinet with flanged rim for recessed mounting in wall. Unit fits in 3 5/8" (92mm) deep wall.

Supply: G1/2 female inlet.

Waste: 2" NPT female outlet.

Sign: Furnished with universal identification sign.

Quality Assurance: Unit is completely assembled and water tested prior to shipment. Unit is third-party certified to comply with ANSI Z358.1-2009 and EN 12889 Part 2.

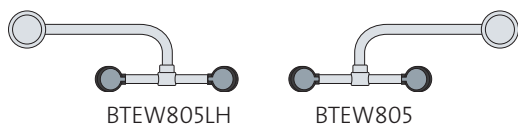
Additional Model

BTFE735FDP Same as above except with daylight drain on front of unit.

The ColorTech BT laboratory safety equipment models shown on pages 57-60 are representative of the over three hundred styles available. Please refer to a ColorTech BT Laboratory Safety Equipment catalog, a ColorTech BT engineering catalog or to the WaterSaver website (wsflab.com) for complete information.

BTEW805

Eyewash, Deck Mounted, 90° Swivel



Application: AutoFlow™ eyewash for mounting next to sink.

Mounting: Unit is mounted on side of sink. Furnished with mounting shank, positioning lugs, locknut and washer for securing unit to counter.

Finish: Select desired finish from list below.

Spray Head Assembly: Two GS-Plus™ spray heads. Each head has a “flip top” dust cover, internal flow control and filter to remove impurities from the water flow.

Valve: Brass plug-type valve with Teflon® coated O-ring seals. Swinging head assembly from storage to operational position opens orifice and activates water flow. Unit remains in operation until spray head assembly is swung back into the storage position.

Strainer: Unit is furnished with in-line strainer to protect valve and spray heads from debris in water line.

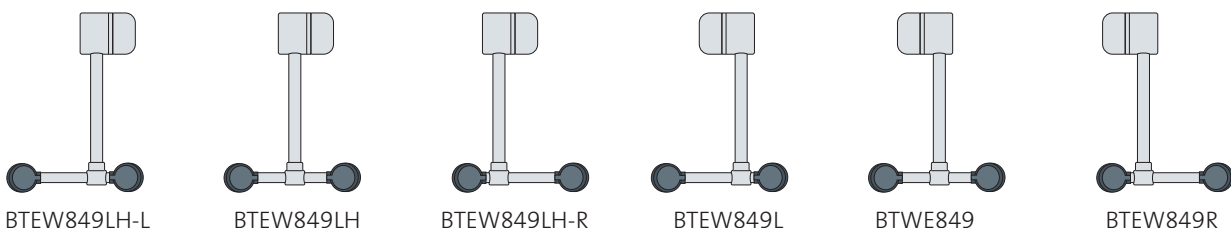
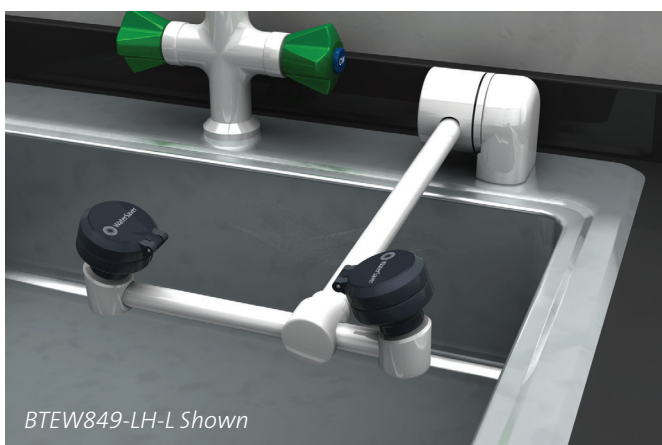
Supply: G1/2 male inlet.

Sign: Furnished with universal identification sign.

Quality Assurance: Unit is completely assembled and water tested prior to shipment. Unit is third-party certified to comply with ANSI Z358.1-2009 and EN 12889 Part 2.

BTEW849

Eyewash, Deck Mounted, 90° Swing-Down



Application: AutoFlow™ eyewash for mounting on counter.

Finish: Select desired finish from list below.

Mounting: Unit is mounted behind sink. Furnished with mounting shank, positioning lugs, locknut and washer for securing unit to counter.

Spray Head Assembly: Two GS-Plus™ spray heads. Each head has a “flip top” dust cover, internal flow control and filter to remove impurities from the water flow.

Valve: Brass plug-type valve with Teflon® coated O-ring seals. Swinging spray head assembly down from storage to operational position opens orifice and activates water flow. Unit remains in operation until head assembly is returned to storage position.

Supply: G1/2 male inlet.

Sign: Furnished with universal identification sign.

Quality Assurance: Unit is completely assembled and water tested prior to shipment. Unit is third-party certified to comply with ANSI Z358.1-2009 and EN 12889 Part 2.

Note: If unit is not installed at a sink, floor drain should be provided underneath unit to prevent accumulation of water on floor.

Finish Options:

- White powder coated finish (WHT)
- Gray powder coated finish (GRY)
- Red powder coated finish (RED)
- Green powder coated finish (GRN)
- Polished chrome plated finish with clear epoxy coating (PCL)
- Satin chrome plated finish with clear epoxy coating (SCC)
- Satin nickel plated finish with clear epoxy coating (SNC)

BTEW1020

Drench Hose Unit, Bench Mounted



Application: Drench hose unit for deck mounting. Ideal for rinsing any part of user's eye, face or body. *Note: Under ANSI Z358.1-2009, drench hose units supplement, but do not replace, other types of emergency equipment.*

Mounting: Deck flange for countertop mounting. Flange has handle locator guide to position handle to face forward at all times.

Finish: Select desired finish from list below.

Spray Head: Single FS-Plus™ spray head. Spray head has "flip top" dust cover, internal flow control and filter to remove impurities from the water flow.

Valve: Forged brass squeeze valve activated by stainless steel lever handle. Valve has replaceable stainless steel seat for exceptional durability. Valve closes when lever handle is released.

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

Supply: G1/2 male swivel-type inlet.

Sign: ANSI-compliant identification sign.

Quality Assurance: Unit is completely assembled and water tested prior to shipment.

Additional Model

BTEW1020LC Same as above except with locking clip on valve for "hands free" operation.

BTEW1022

Eyewash/Drench Hose Unit, Bench Mounted



Application: Dual purpose eyewash/drench hose for deck mounting. Unit meets the provisions of ANSI Z358.1-2009 as both an eyewash and a drench hose. Unit may be left in the deck flange for use as a fixed eyewash, leaving user's hands free. Alternatively, unit may be removed for use as a drench hose to rinse any part of user's eyes, face or body.

Mounting: Deck flange for countertop mounting. Flange has handle locator guide to position spray heads and handle facing forward at all times.

Finish: Select desired finish from list below.

Spray Head Assembly: Two GS-Plus™ spray heads mounted side-by-side. Each head has a "flip top" dust cover, internal flow control and filter to remove impurities from the water flow.

Valve: Forged brass squeeze valve activated by stainless steel lever handle. Valve has replaceable stainless steel seat for exceptional durability. Locking clip engages when handle is depressed, providing "hands free" operation. Valve stays open until locking clip is released.

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

Supply: G1/2 male swivel-type inlet.

Sign: ANSI-compliant identification sign.

Quality Assurance: Unit is completely assembled and water tested prior to shipment.

Optional Features

Finish Options:

- White powder coated finish (WHT)
- Gray powder coated finish (GRY)
- Red powder coated finish (RED)
- Green powder coated finish (GRN)

- Polished chrome plated finish with clear epoxy coating (PCL)
- Satin chrome plated finish with clear epoxy coating (SCC)
- Satin nickel plated finish with clear epoxy coating (SNC)

Hose Options:

- Braided flexible stainless steel hose in place of reinforced PVC (add suffix "BSH")
- Under-counter hose guide bracket to prevent hose from tangling or binding (add suffix "HG")

Backflow Prevention Options:

- In-line dual check backflow preventer for installation on inlet of hose (add suffix "BP")
- In-line vacuum breaker installed between valve and spray head assembly (add suffix "VB")



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