ColorTech BT Fume Cupboard Fittings
WaterSaver Faucet Co. is celebrating seventy 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 use in science laboratories.

We are in our third generation of family ownership and management, but continue to execute the strategy established by our founders: never compromise on quality, respond to the needs of our customers and treat people with dignity and respect. We are as dedicated to these values today as the day we started.

All WaterSaver products are manufactured in Chicago, Illinois USA in two state-of-the-art manufacturing plants. Both facilities are Gold 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 Fume Cupboard Fitting catalog (CTBT-FCF-0619) presents an overview of our ColorTech BT range of fume cupboard fittings. The models shown here are representative of the over 1,000 models in this product range. For further information, please visit our website (wsflab.com) or consult with our sales offices.

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 Laboratory Service Fixtures.”

We owe our success to the contributions of dedicated employees and the loyalty of our customers. For seventy years, 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.

Steven A. Kersten
President

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Additional Resources
In addition to the products shown in this catalog, WaterSaver offers the following catalogs highlighting additional segments of our product line:

Product Finishes
Laboratory Service Fittings
Pressure Regulator Fittings
Flexible Lab Fittings
Laboratory Safety Equipment
Installation, Operation and Maintenance Guide
WaterSaver Product Line Overview

Standard Product Line

FEATURES:
- Styling traditionally used in the U.S. market.
- Polished chrome plated finish is standard. Options for polished chrome with clear epoxy coating and satin finishes.
- Product engineering, including indexing, inlet connections and threads, based on U.S. standards.

PRODUCT RANGE:
- Laboratory Service Fixtures
- Fume Hood Fittings
- Electrical Fixtures
- Pressure Regulator Fixtures
- Vandal-Resistant Products
- Laboratory Safety Equipment
- Installation, Operation and Maintenance Products

ColorTech Product Line

FEATURES:
- Sleek, streamlined “European” styling.
- White epoxy powder coated finish is standard. Options for additional colors, polished chrome and satin finishes.
- Product engineering, including indexing, inlet connections and threads, based on U.S. standards.

PRODUCT RANGE:
- Laboratory Service Fixtures
- Fume Hood Fittings
- Electrical Fixtures
- Pressure Regulator Fixtures
- Vandal-Resistant Products
- Laboratory Safety Equipment
- Installation, Operation and Maintenance Products
**ColorTech BT Product Line**

**FEATURES:**
- Sleek, streamlined “European” styling.
- White powder coated finish is standard. Options for additional colors, polished chrome and satin finishes.
- Product engineering, including indexing, inlet connections and threads, based on international norms and standards.

**PRODUCT RANGE:**
- Laboratory Service Fittings
- Fume Cupboard Fittings
- Pressure Regulator Fittings
- Laboratory Safety Equipment
- Installation, Operation and Maintenance Products

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**Flexible Lab Fittings**

**FEATURES:**
- Fittings for flexible/reconfigurable laboratories.
- Polished chrome plated finish.
- Product engineering, including indexing, inlet connections and threads, complies with U.S. and international norms and standards.

**PRODUCT RANGE:**
- Quick Connects
- Flexible Hose Connectors
- Service Manifolds
- Modular Panel Systems
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 25 bar (375 PSI) nitrogen pressure and are rated for use at working pressures up to 17 bar (250 PSI). Fine control needle valves are cleaned for high purity gas as standard. All fine control needle valves meet the requirements of SEFA-7 “Recommended Practices for Laboratory Service Fixtures.” Features of these valves include:

- Floating stainless steel needle self-centers on valve seat. As the valve is used, the needle and seat form a matched fit, making the valve easier to open and close. The valve actually “improves with age.”

- Valves are specially cleaned, lubricated, assembled and packaged for oxygen and high purity gas service. Please refer to WaterSaver standard procedure “Cleaning for Pure Gas Systems” for further information.

- Ultra-fine stem threads for micro-control. Valve goes from closed to fully open in six full revolutions of the handle, thus giving the user a wide range of settings to select when throttling the flow. Valve is capable of delivering one bubble of nitrogen or other special gas at a time.

- Molded PTFE stem packing with adjustable packing nut. Packing seals valve stem into body. Adjustable nut permits take-up of wear, minimizing the need to ever replace packing.

- Replaceable stainless steel seat threads into valve body. While the valve seat is easily replaced, there is rarely a need to do so since the valve improves with use.
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 17 bar (250 PSI) nitrogen pressure and are rated for use at working pressures up to 10 bar (150 PSI). All needle valves meet the requirements of SEFA-7 “Recommended Practices for Laboratory Services Fixtures.” Features of these valves include:

- Molded PTFE stem packing with adjustable packing nut. Packing seals valve stem into body. Adjustable nut permits take-up of wear, virtually eliminating the need to ever replace packing.
- Fine stem threads for good metering of flow. Valve goes from closed to fully open in two full revolutions of the handle.
- Replaceable stainless steel seat threads into valve body. While the valve seat is easily replaced, there is rarely a need to do so since the valve improves with use.
- Floating stainless steel needle self-centers on valve seat. As the valve is used, the needle and seat form a matched fit, making the valve easier to open and close. The valve actually “improves with age.”
- Where used for oxygen and other pure gases, valves are specially cleaned, lubricated, assembled and packaged to maintain and enhance the purity of the media. Please refer to WaterSaver standard procedure “Cleaning for Pure Gas Systems” for further information.
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.

### Models

<table>
<thead>
<tr>
<th>Models</th>
<th>Fine Control Needle Valve</th>
<th>Standard Needle Valve</th>
<th>Push/Turn Valve</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>BT749FCN, BT750FCN, etc.</td>
<td>BT749N, BT750N, etc.</td>
<td>BT749Gi, BT750Gi, etc.</td>
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<tr>
<td>Construction</td>
<td>Needle Point</td>
<td>Needle Point</td>
<td>Ceramic Disc</td>
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<tr>
<td>Control</td>
<td>Precise Metering</td>
<td>Good Metering</td>
<td>On/Off</td>
</tr>
<tr>
<td>Body Material</td>
<td>Brass or St Steel</td>
<td>Brass or St Steel</td>
<td>Brass</td>
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<tr>
<td>Handle</td>
<td>Hooded Nylon</td>
<td>Hooded Nylon</td>
<td>Hooded Metal or Nylon</td>
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<tr>
<td>Test Pressure/Media</td>
<td>25 bar (375 PSI)/Nit</td>
<td>17 bar (250 PSI)/Nit</td>
<td>10 bar (150 PSI)/Air</td>
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<td>Maximum Working Pressure</td>
<td>17 bar (250 PSI)</td>
<td>10 bar (150 PSI)</td>
<td>7 bar (100 PSI)</td>
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<td>CSA Certified for Natural Gas</td>
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<td>Cleaned for High Purity Gas</td>
<td>Standard</td>
<td>When Ordered</td>
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### Gas Compatibility by Service

<table>
<thead>
<tr>
<th>Gas</th>
<th>Air</th>
<th>Ammonia (St Steel only)</th>
<th>Acetylene (St Steel only; 1 bar max)</th>
<th>Argon</th>
<th>Butane</th>
<th>Carbon Dioxide</th>
<th>Carbon Monoxide</th>
<th>Compressed Air</th>
<th>Cylinder Gas (Note 1)</th>
<th>Natural Gas</th>
<th>Helium</th>
<th>High Vacuum</th>
<th>Hydrogen (Specially Clean)</th>
<th>Low Vacuum</th>
<th>Methane</th>
<th>Nitrogen</th>
<th>Oxygen (Specially Clean)</th>
<th>Propane</th>
<th>Special Gas (Note 1)</th>
<th>Steam (Note 2)</th>
<th>Vacuum</th>
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<td>Cylinder Gas (Note 1)</td>
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### Note
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 the WaterSaver website (wsflab.com) for information.
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

<table>
<thead>
<tr>
<th>Water</th>
<th>Symbol</th>
<th>Handle Color</th>
<th>Ring Color</th>
<th>Disc Color</th>
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<tbody>
<tr>
<td>Cooling Tower/Sprinkling Water</td>
<td>WCS</td>
<td>Green</td>
<td>Green</td>
<td>Yellow</td>
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<td>Potable Water, Hot</td>
<td>WPH</td>
<td>Green</td>
<td>Green</td>
<td>Red</td>
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<td>Potable Water, Cold</td>
<td>WPC</td>
<td>Green</td>
<td>Green</td>
<td>Blue</td>
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<td>Blue</td>
<td>White</td>
</tr>
<tr>
<td>Coolant Water Feed</td>
<td>WCF</td>
<td>Green</td>
<td>Blue</td>
<td>Blue</td>
</tr>
<tr>
<td>Coolant Water Return</td>
<td>WCR</td>
<td>Green</td>
<td>Blue</td>
<td>Red</td>
</tr>
<tr>
<td>Surface Water, Hot</td>
<td>WSH</td>
<td>Green</td>
<td>Black</td>
<td>Red</td>
</tr>
<tr>
<td>Surface Water, Cold</td>
<td>WSC</td>
<td>Green</td>
<td>Black</td>
<td>Blue</td>
</tr>
<tr>
<td>Deionised Water, Hot</td>
<td>WDH</td>
<td>Green</td>
<td>Gray</td>
<td>Red</td>
</tr>
<tr>
<td>Deionised Water, Cold</td>
<td>WDC</td>
<td>Green</td>
<td>Gray</td>
<td>Blue</td>
</tr>
<tr>
<td>River Water, Hot</td>
<td>WRH</td>
<td>Green</td>
<td>White</td>
<td>Red</td>
</tr>
<tr>
<td>River Water, Cold</td>
<td>WRC</td>
<td>Green</td>
<td>White</td>
<td>Blue</td>
</tr>
<tr>
<td>Distilled Water</td>
<td>WDI</td>
<td>Green</td>
<td>White</td>
<td>White</td>
</tr>
</tbody>
</table>

### Non-Flammable Gases, including Combustion-Enhancing Gases

<table>
<thead>
<tr>
<th>Non-Flammable Gases, including Combustion-Enhancing Gases</th>
<th>Symbol</th>
<th>Handle Color</th>
<th>Ring Color</th>
<th>Disc Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nitrogen</td>
<td>N₂</td>
<td>Blue</td>
<td>Green</td>
<td>Green</td>
</tr>
<tr>
<td>Dinitrogen Monoxide</td>
<td>N₂O</td>
<td>Blue</td>
<td>Green</td>
<td>Blue</td>
</tr>
<tr>
<td>Air, Synthetic, 80/20</td>
<td>SA</td>
<td>Blue</td>
<td>Blue</td>
<td>Green</td>
</tr>
<tr>
<td>Compressed Air</td>
<td>CA</td>
<td>Blue</td>
<td>Blue</td>
<td>Yellow</td>
</tr>
<tr>
<td>Oxygen</td>
<td>O₂</td>
<td>Blue</td>
<td>Blue</td>
<td>Blue</td>
</tr>
<tr>
<td>Carbon Dioxide</td>
<td>CO₂</td>
<td>Blue</td>
<td>Blue</td>
<td>Black</td>
</tr>
<tr>
<td>Regulated Air</td>
<td>RA</td>
<td>Blue</td>
<td>Blue</td>
<td>Gray</td>
</tr>
<tr>
<td>Breathing Air</td>
<td>BA</td>
<td>Blue</td>
<td>Blue</td>
<td>White</td>
</tr>
<tr>
<td>Carbogen (CO₂ + O₂)</td>
<td>CB</td>
<td>Blue</td>
<td>Black</td>
<td>Blue</td>
</tr>
<tr>
<td>Krypton</td>
<td>Kr</td>
<td>Gray</td>
<td>Gray</td>
<td>Yellow</td>
</tr>
<tr>
<td>Xenon</td>
<td>Xe</td>
<td>Blue</td>
<td>Gray</td>
<td>Red</td>
</tr>
<tr>
<td>Neon</td>
<td>Ne</td>
<td>Blue</td>
<td>Gray</td>
<td>Black</td>
</tr>
<tr>
<td>Argon</td>
<td>Ar</td>
<td>Blue</td>
<td>Gray</td>
<td>Black</td>
</tr>
<tr>
<td>Helium</td>
<td>He</td>
<td>Blue</td>
<td>Gray</td>
<td>White</td>
</tr>
</tbody>
</table>

### Toxic Gases

<table>
<thead>
<tr>
<th>Toxic Gases</th>
<th>Symbol</th>
<th>Handle Color</th>
<th>Ring Color</th>
<th>Disc Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ammonia</td>
<td>NH₃</td>
<td>Black</td>
<td>Green</td>
<td>Red</td>
</tr>
<tr>
<td>Nitrogen Dioxide</td>
<td>NO₂</td>
<td>Black</td>
<td>Green</td>
<td>Blue</td>
</tr>
<tr>
<td>Nitrogen Monoxide</td>
<td>NO</td>
<td>Black</td>
<td>Green</td>
<td>Black</td>
</tr>
<tr>
<td>Hydrogen Sulphide</td>
<td>H₂S</td>
<td>Black</td>
<td>Red</td>
<td>Yellow</td>
</tr>
<tr>
<td>Arsine</td>
<td>AsH₃</td>
<td>Black</td>
<td>Red</td>
<td>Black</td>
</tr>
<tr>
<td>Phosphine</td>
<td>PH₃</td>
<td>Black</td>
<td>Red</td>
<td>Gray</td>
</tr>
<tr>
<td>Hydrogen Chloride</td>
<td>HCl</td>
<td>Black</td>
<td>Red</td>
<td>White</td>
</tr>
<tr>
<td>Sulphur Dioxide</td>
<td>SO₂</td>
<td>Black</td>
<td>Blue</td>
<td>Yellow</td>
</tr>
<tr>
<td>Carbon Monoxide</td>
<td>CO</td>
<td>Black</td>
<td>Black</td>
<td>Black</td>
</tr>
<tr>
<td>Phosgene</td>
<td>COCl₂</td>
<td>Black</td>
<td>Black</td>
<td>White</td>
</tr>
<tr>
<td>Chlorine</td>
<td>Cl₂</td>
<td>Black</td>
<td>White</td>
<td>White</td>
</tr>
</tbody>
</table>

### Flammable Gaseous Hydrocarbons

<table>
<thead>
<tr>
<th>Flammable Gaseous Hydrocarbons</th>
<th>Symbol</th>
<th>Handle Color</th>
<th>Ring Color</th>
<th>Disc Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>Natural Gas</td>
<td>G</td>
<td>Yellow</td>
<td>Yellow</td>
<td>Yellow</td>
</tr>
<tr>
<td>Propane/Butane (liquefied gases)</td>
<td>LPG</td>
<td>Yellow</td>
<td>Red</td>
<td>Yellow</td>
</tr>
<tr>
<td>Methane</td>
<td>CH₄</td>
<td>Yellow</td>
<td>Blue</td>
<td>Yellow</td>
</tr>
<tr>
<td>Propane</td>
<td>C₃H₈</td>
<td>Yellow</td>
<td>Blue</td>
<td>Red</td>
</tr>
<tr>
<td>Butane</td>
<td>C₄H₁₀</td>
<td>Yellow</td>
<td>Blue</td>
<td>Blue</td>
</tr>
<tr>
<td>Ethene</td>
<td>C₂H₆</td>
<td>Yellow</td>
<td>Black</td>
<td>Green</td>
</tr>
<tr>
<td>Propene</td>
<td>C₃H₆</td>
<td>Yellow</td>
<td>Black</td>
<td>Red</td>
</tr>
<tr>
<td>Butene</td>
<td>C₄H₈</td>
<td>Yellow</td>
<td>Black</td>
<td>Blue</td>
</tr>
<tr>
<td>Acetylene</td>
<td>C₂H₄</td>
<td>Yellow</td>
<td>White</td>
<td>Green</td>
</tr>
</tbody>
</table>

### Other Combustible Gases and Gas Mixtures

<table>
<thead>
<tr>
<th>Other Combustible Gases and Gas Mixtures</th>
<th>Symbol</th>
<th>Handle Color</th>
<th>Ring Color</th>
<th>Disc Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>Argon/Methane</td>
<td>AR/CH₄</td>
<td>Red</td>
<td>Yellow</td>
<td>Gray</td>
</tr>
<tr>
<td>Hydrogen/Nitrogen</td>
<td>H₂/N₂</td>
<td>Red</td>
<td>Red</td>
<td>Green</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>H₂</td>
<td>Red</td>
<td>Red</td>
<td>Red</td>
</tr>
<tr>
<td>Silane</td>
<td>SiH₄</td>
<td>Red</td>
<td>Red</td>
<td>Black</td>
</tr>
<tr>
<td>Hydrogen/Helium</td>
<td>H₂/He</td>
<td>Red</td>
<td>Red</td>
<td>Gray</td>
</tr>
<tr>
<td>Deuterium</td>
<td>D₂</td>
<td>Red</td>
<td>Red</td>
<td>White</td>
</tr>
</tbody>
</table>
Water

- WPH: Potable Water, Hot
- WPC: Potable Water, Cold
- WNH: Non-Potable Water, Hot
- WNC: Non-Potable Water, Cold
- WCF: Coolant Water Feed
- WCR: Coolant Water Return

Pure Water

- WCH: Super-Clean Water, Hot
- WCC: Super-Clean Water, Cold
- WDH: Deionised Water, Hot
- WDC: Deionised Water, Cold
- WDI: Distilled Water

Flammable Gaseous Hydrocarbons

- G: Natural Gas
- CH₄: Methane
- C₃H₈: Propane
- C₄H₁₀: Butane
- C₂H₂: Acetylene

Non-Flammable Gases (Including Combustion-Enhancing Gases)

- SA: Air, Synthetic, 80/20
- BA: Air, Breathing
- CA: Air, Compressed
- RA: Air, Regulated
- Ar: Argon
- CB: Carbogen (CO₂ + O₂)

- CO₂: Carbon Dioxide
- He: Helium
- N₂: Nitrogen
- O₂: Oxygen

Vacuum

- V: Low Vacuum
- VF: Fine Vacuum
- VH: High Vacuum

Other Media

- NH₃: Ammonia
- H₂: Hydrogen
- H₂/He: Hydrogen/Helium
- H₂N₂: Hydrogen/Nitrogen
- WST: Steam
Pipe Sizing and Material

Requirements for the size and material of supply piping are generally covered by applicable 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:

<table>
<thead>
<tr>
<th>Service</th>
<th>Piping Material</th>
<th>Minimum Pipe Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>Natural Gas</td>
<td>Black Iron or Stainless Steel</td>
<td>3/8”</td>
</tr>
<tr>
<td>Inert Gases</td>
<td>Copper</td>
<td>3/8”</td>
</tr>
<tr>
<td>Special Gases</td>
<td>Copper or Stainless Steel</td>
<td>3/8”</td>
</tr>
<tr>
<td>Water</td>
<td>Copper</td>
<td>1/2”</td>
</tr>
<tr>
<td>Distilled, Deionised and Purified Water</td>
<td>PVC/ Polypropylene/ PVDF</td>
<td>1/2”</td>
</tr>
<tr>
<td>Emergency Showers</td>
<td>Copper</td>
<td>1”</td>
</tr>
<tr>
<td>Eye, Eye/Face Wash and Drench Hose Units</td>
<td>Copper</td>
<td>1/2”</td>
</tr>
<tr>
<td>Safety Stations</td>
<td>Copper</td>
<td>1-1/4”</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Inlet Shank</th>
<th>Minimum Hole Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>G1/2 Mounting Shank</td>
<td>22mm (7/8”)</td>
</tr>
<tr>
<td>1-3/16” diameter Mounting Shank (ex: BT400 series mixer taps)</td>
<td>32mm (1-1/4”)</td>
</tr>
<tr>
<td>G1 Mounting Shank (ex: BTEW1022 eyewash/drench hose unit)</td>
<td>35mm (1-3/8”)</td>
</tr>
</tbody>
</table>

Locator Pins

Except for fume cupboard outlet fittings, all ColorTech BT fittings are furnished with (2) locator pins to prevent the fitting from turning on the counter or panel. Pins are 3.2mm diameter x 2.4mm exposed length. When drilling countertops or panels, provide holes in the required locations for the locator pins.

Locator pins are pressed into the base of the fitting. If the pins are not required, they are easily removed with pliers.

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 11 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. 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.
Fume Cupboard Valves

BT749FCN
Valve for Laboratory Gases, Fine Control Needle Valve

Application: Panel mounted valve for laboratory gases. Valve has 40mm dia. body. For use with flexible hose connectors or tubing on inlet and outlet.

Mounting: Valve is installed on front face of cupboard and secured from behind panel with locknut and set screws. Provide a 41mm (1-5/8") diameter hole. Maximum panel thickness is 25mm (1”). All working components of valve are accessible from front exterior face of cupboard.

Valve Body: 40mm (1-19/32”) diameter brass bar stock.

Headwork:
BT749FCN: Replaceable self-centering stainless steel needle and replaceable stainless steel seat. Needle is finely tapered for precise metering of flow. Valve is capable of delivering one bubble of nitrogen gas at a time. Valve is specially cleaned, lubricated and packaged for use with high purity gases.

BT749N: Replaceable self-centering stainless steel needle and replaceable stainless steel seat. When ordered, valve is specially cleaned, lubricated and packaged for use with high purity gases.

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

Inlet/Outlet: Select from options below.

Quality Assurance: Valve is fully assembled and factory tested prior to shipment. BT749FCN has 25 bar (375 PSI) nitrogen test pressure and 17 bar (250 PSI) maximum working pressure. BT749N has 17 bar (250 PSI) nitrogen test pressure and 10 bar (150 PSI) maximum working pressure.

Ordering Information

Valve Construction

Needle valve with replaceable self-centering stainless steel needle and replaceable stainless steel seat

Inlet/Outlet Options

G1/4 Female 1/4 NPT Female 10mm Push/Fit Tube

<table>
<thead>
<tr>
<th></th>
<th>G1/4 Female</th>
<th>1/4 NPT Female</th>
<th>10mm Push/Fit Tube</th>
</tr>
</thead>
<tbody>
<tr>
<td>BT749FCN-G2F</td>
<td>BT749FCN-G2F</td>
<td>BT749FCN-G2F</td>
<td>BT749FCN-M10PF</td>
</tr>
<tr>
<td>BT749N-G2F</td>
<td>BT749N-G2F</td>
<td>BT749N-G2F</td>
<td>BT749N-M10PF</td>
</tr>
</tbody>
</table>

Product Finish

<table>
<thead>
<tr>
<th></th>
<th>WHT</th>
<th>PCL</th>
<th>GRY</th>
<th>SCC</th>
<th>GRD</th>
<th>SNC</th>
<th>STM</th>
</tr>
</thead>
<tbody>
<tr>
<td>WHT</td>
<td>Gloss white powder coated finish</td>
<td>Polished chrome plated finish with clear epoxy coating</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GRY</td>
<td>Gloss light gray powder coated finish</td>
<td>Satin chrome plated finish with clear epoxy coating</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GRD</td>
<td>Gloss dark gray powder coated finish</td>
<td>Satin nickel plated finish with clear epoxy coating</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>STM</td>
<td>Starburst metallic powder coated finish</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: Refer to “Product Finishes” catalog for complete information on finishes.

Media

WaterSaver Faucet Co.
**Application:** Panel mounted valve for burning gases, including natural gas, propane and bottled gas. Valve has 40mm dia. body. For use with flexible hose connectors or tubing on inlet and outlet.

**Mounting:** Valve is installed on front face of cupboard and secured from behind panel with locknut and set screws. Provide a 41mm (1-5/8") diameter hole. Maximum panel thickness is 25mm (1"). All working components of valve are accessible from front exterior face of cupboard.

**Valve Body:** 40mm (1-19/32") diameter brass bar stock.

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

**Handle:** Forged brass 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 open or closed. Handle and index disc are color coded and marked per EN 13792.

**Inlet/Outlet:** Select from options below.

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

---

**Ordering Information**

**Valve Construction**

| Push/turn ceramic disc cartridge |

**Inlet/Outlet Options**

<table>
<thead>
<tr>
<th>G1/4 Female</th>
<th>1/4 NPT Female</th>
<th>10mm Push/Fit Tube</th>
</tr>
</thead>
<tbody>
<tr>
<td>BT749GI-G2F</td>
<td>BT749GI-2F</td>
<td>BT749GI-M10PF</td>
</tr>
</tbody>
</table>

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

**Product Finish**

- **WHT** Gloss white powder coated finish
- **PCL** Polished chrome plated finish with clear epoxy coating
- **GRY** Gloss light gray powder coated finish
- **SCC** Satin chrome plated finish with clear epoxy coating
- **GRD** Gloss dark gray powder coated finish
- **SNC** Satin nickel plated finish with clear epoxy coating
- **STM** Starburst metallic powder coated finish

**Note:** Refer to "Product Finishes" catalog for complete information on finishes.

**Media**

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Fume Cupboard Valves

**BT749W**  
Water Valve, Compression Construction

**BT749WC**  
Water Valve, Ceramic Disc Construction

**Application:** Panel mounted valve for water. Valve has 40mm dia. body. For use with flexible hose connectors or tubing on inlet and outlet.

**Mounting:** Valve is installed on front face of cupboard and secured from behind panel with locknut and set screws. Provide a 41mm (1-5/8") diameter hole. Maximum panel thickness is 25mm (1"). All working components of valve are accessible from front exterior face of cupboard.

**Valve Body:** 40mm (1-19/32") diameter forged brass.

**Headwork:**  
BT749W has WaterSaver compression valve construction with replaceable stainless steel seat.  
BT749WC has self-contained replaceable ceramic disc cartridge.

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

**Inlet/Outlet:** Select from options below.

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

---

**Ordering Information**

**Valve Construction**
- Compression valve with replaceable stainless steel seat
- Ceramic disc cartridge

**Inlet/Outlet Options**

<table>
<thead>
<tr>
<th>G1/4 Female</th>
<th>1/4 NPT Female</th>
<th>10mm Push/Fit Tube</th>
</tr>
</thead>
<tbody>
<tr>
<td>BT749W-G2F</td>
<td>BT749W-2F</td>
<td>BT749W-M10PF</td>
</tr>
<tr>
<td>BT749WC-G2F</td>
<td>BT749WC-2F</td>
<td>BT749WC-M10PF</td>
</tr>
</tbody>
</table>

**Product Finish**

- **WHT**  Gloss white powder coated finish
- **GRY**  Gloss light gray powder coated finish
- **GDR**  Gloss dark gray powder coated finish
- **STM**  Starburst metallic powder coated finish
- **PCL**  Polished chrome plated finish with clear epoxy coating
- **SCC**  Satin chrome plated finish with clear epoxy coating
- **SNC**  Satin nickel plated finish with clear epoxy coating

**Media**

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*Note: Refer to “Product Finishes” catalog for complete information on finishes.*
**BT749WTL** Pure Water Valve, Tin-Lined

**Application:** Panel mounted valve for distilled, deionised or reverse osmosis water. All components in contact with water have interior lining of pure tin. Valve has 40mm dia. body. For use with flexible hose connectors or tubing on inlet and outlet.

**Mounting:** Valve is installed on front face of cupboard and secured from behind panel with locknut and set screws. Provide a 41mm (1-5/8”) diameter hole. Maximum panel thickness is 25mm (1”). All working components of valve are accessible from front exterior face of cupboard.

**Valve Body:** 40mm (1-19/32”) diameter brass bar stock.

**Headwork:** WaterSaver tin-lined compression valve construction 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/Outlet:** Select from options below.

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

---

### Ordering Information

<table>
<thead>
<tr>
<th>Valve Construction</th>
<th>Inlet/Outlet Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tin-lined compression valve with replaceable stainless steel seat</td>
<td><strong>GI/4 Female</strong></td>
</tr>
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**Product Finish**

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<tr>
<td>WHT</td>
<td>Gloss white powder coated finish</td>
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<tr>
<td>GRY</td>
<td>Gloss light gray powder coated finish</td>
</tr>
<tr>
<td>GRD</td>
<td>Gloss dark gray powder coated finish</td>
</tr>
<tr>
<td>STM</td>
<td>Starburst metallic powder coated finish</td>
</tr>
<tr>
<td>PCL</td>
<td>Polished chrome plated finish with clear epoxy coating</td>
</tr>
<tr>
<td>SCC</td>
<td>Satin chrome plated finish with clear epoxy coating</td>
</tr>
<tr>
<td>SNC</td>
<td>Satin nickel plated finish with clear epoxy coating</td>
</tr>
</tbody>
</table>

**Note:** Refer to “Product Finishes” catalog for complete information on finishes.

**Media**

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Fume Cupboard Valves

- **BT750FCN**
  - Valve for Laboratory Gases, Fine Control Needle Valve

- **BT750N**
  - Valve for Laboratory Gases, Needle Valve

**Application:** Panel mounted valve for laboratory gases. Valve has 10mm OD brazed copper tubes on inlet and outlet.

**Mounting:** Valve is installed on front face of cupboard and secured from behind panel with locknut and set screws. Provide a 36mm (1-7/16") diameter hole. Maximum panel thickness is 25mm (1”). All working components of valve are accessible from front exterior face of cupboard.

**Valve Body:** 35mm (1-3/8”) diameter brass bar stock.

**Headwork:**
- **BT750FCN:** Replaceable self-centering stainless steel needle and replaceable stainless steel seat. Needle is finely tapered for precise metering of flow. *Valve is capable of delivering one bubble of nitrogen gas at a time.* Valve is specially cleaned, lubricated and packaged for use with high purity gases.
- **BT750N:** Replaceable self-centering stainless steel needle and replaceable stainless steel seat. When ordered, valve is specially cleaned, lubricated and packaged for use with high purity gases.

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

**Inlet/Outlet:** 10mm copper tubes.

**Quality Assurance:** Valve is fully assembled and factory tested prior to shipment. BT750FCN has 25 bar (375 PSI) nitrogen test pressure and 17 bar (250 PSI) maximum working pressure. BT750N has 17 bar (250 PSI) nitrogen test pressure and 10 bar (150 PSI) maximum working pressure.

**Ordering Information**

**Valve Construction**
- Needle valve with replaceable self-centering stainless steel needle and replaceable stainless steel seat.

**Inlet/Outlet**
- 10mm OD Tube
  - BT750FCN-M10T
  - BT750N-M10T

**Product Finish**
- **WHT** Gloss white powder coated finish
- **PCL** Polished chrome plated finish with clear epoxy coating
- **GRY** Gloss light gray powder coated finish
- **SCC** Satin chrome plated finish with clear epoxy coating
- **GRD** Gloss dark gray powder coated finish
- **SNC** Satin nickel plated finish with clear epoxy coating
- **STM** Starburst metallic powder coated finish

**Media**
- Refer to “Product Finishes” catalog for complete information on finishes.

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ColorTech BT

WaterSaver Faucet Co.  wsflab.com  15
Fume Cupboard Valves

BT750GI Valve for Burning Gases, Push/Turn

Application: Panel mounted valve for burning gases, including natural gas, propane and bottled gas. Valve has 10mm OD brazed copper tubes on inlet and outlet.

Mounting: Valve is installed on front face of cupboard and secured from behind panel with locknut and set screws. Provide a 36mm (1-7/16") diameter hole. Maximum panel thickness is 25mm (1"). All working components of valve are accessible from front exterior face of cupboard.

Valve Body: 40mm (1-3/8") diameter brass bar stock.

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

Handle: Forged brass 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 open or closed. Handle and index disc are color coded and marked per EN 13792.

Inlet/Outlet: 10mm copper tubes.

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

Ordering Information

Valve Construction

Push/tum ceramic disc cartridge

Inlet/Outlet

10mm OD Tube

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

Product Finish

<table>
<thead>
<tr>
<th>Finish Code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>WHT</td>
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</tr>
<tr>
<td>GRY</td>
<td>Gloss light gray powder coated finish</td>
</tr>
<tr>
<td>GRD</td>
<td>Gloss dark gray powder coated finish</td>
</tr>
<tr>
<td>SCC</td>
<td>Satin chrome plated finish with clear epoxy coating</td>
</tr>
<tr>
<td>SNC</td>
<td>Satin nickel plated finish with clear epoxy coating</td>
</tr>
<tr>
<td>STM</td>
<td>Starburst metallic powder coated finish</td>
</tr>
</tbody>
</table>

Note: Refer to "Product Finishes" catalog for complete information on finishes.

Media
Fume Cupboard Valves

- **BT750W**
  Water Valve, Compression Construction

- **BT750WC**
  Water Valve, Ceramic Disc Construction

**Application:** Panel mounted valve for water. Valve has 10mm OD brazed copper tubes on inlet and outlet.

**Mounting:** Valve is installed on front face of cupboard and secured from behind panel with locknut and set screws. Provide a 36mm (1-7/16") diameter hole. Maximum panel thickness is 25mm (1"). All working components of valve are accessible from front exterior face of cupboard.

**Valve Body:** 35mm (1-3/8") diameter brass bar stock.

**Headwork:**
- **BT750W** has WaterSaver compression valve construction with replaceable stainless steel seat.
- **BT750WC** has self-contained replaceable ceramic disc cartridge.

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

**Inlet/Outlet:** 10mm copper tubes.

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

---

### Ordering Information

<table>
<thead>
<tr>
<th>Valve Construction</th>
<th>Inlet/Outlet</th>
</tr>
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<tbody>
<tr>
<td>Compression valve with replaceable stainless steel seat</td>
<td>10mm OD Tube</td>
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<tr>
<td>Ceramic disc cartridge</td>
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<table>
<thead>
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<tr>
<td>WHT</td>
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</tr>
<tr>
<td>SNC</td>
<td>Satin nickel plated finish with clear epoxy coating</td>
</tr>
</tbody>
</table>

**Note:** Refer to “Product Finishes” catalog for complete information on finishes.

**Media**

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WaterSaver Faucet Co.
Fume Cupboard Valves

BT750WTL Pure Water Valve, Tin-Lined

Application: Panel mounted valve for distilled, deionised or reverse osmosis water. All components in contact with water have interior lining of pure tin. Valve has 10mm OD brazed stainless steel tubes on inlet and outlet.

Mounting: Valve is installed on front face of cupboard and secured from behind panel with locknut and set screws. Provide a 36mm (1-7/16") diameter hole. Maximum panel thickness is 25mm (1"). All working components of valve are accessible from front exterior face of cupboard.

Valve Body: 35mm (1-3/8") diameter brass bar stock.

Headwork: WaterSaver tin-lined compression valve construction 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/Outlet: 10mm stainless steel tubes.

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

Ordering Information

Valve Construction
Tin-lined compression valve with replaceable stainless steel seat

Inlet/Outlet
10mm OD Tube

<table>
<thead>
<tr>
<th>Valve Construction</th>
<th>Product Finish</th>
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<tbody>
<tr>
<td>Tin-lined compression valve with replaceable stainless steel seat</td>
<td>Gloss white powder coated finish</td>
</tr>
<tr>
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<td>Gloss light gray powder coated finish</td>
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<td>Gloss dark gray powder coated finish</td>
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<tr>
<td></td>
<td>Starburst metallic powder coated finish</td>
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</tbody>
</table>

Note: Refer to "Product Finishes" catalog for complete information on finishes.

Media

Note: Refer to "Product Finishes" catalog for complete information on finishes.
Fume Cupboard Valves

**BT753FCN**
Valve for Laboratory Gases, Fine Control Needle Valve

**BT753N**
Valve for Laboratory Gases, Needle Valve

**Application:** Panel mounted valve for laboratory gases. Valve has 35mm dia. body. Valve has 10mm OD brazed copper tubes on inlet and outlet.

**Mounting:** Valve is installed on front face of cupboard and secured with screws. Provide a 36mm (1-3/16") diameter hole. Maximum panel thickness is 25mm (1"). All working components of valve are accessible from front exterior face of cupboard.

**Valve Body:** 35mm (1-3/8") diameter forged brass.

**Headwork:**
- **BT753FCN:** Replaceable self-centering stainless steel needle and replaceable stainless steel seat. Needle is finely tapered for precise metering of flow. Valve is capable of delivering one bubble of nitrogen gas at a time. Valve is specially cleaned, lubricated and packaged for use with high purity gases.
- **BT753N:** Replaceable self-centering stainless steel needle and replaceable stainless steel seat. When ordered, valve is specially cleaned, lubricated and packaged for use with high purity gases.

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

**Inlet/Outlet:** 10mm copper tubes.

**Quality Assurance:** Valve is fully assembled and factory tested prior to shipment. BT753FCN has 25 bar (375 PSI) nitrogen test pressure and 17 bar (250 PSI) maximum working pressure. BT753N has 17 bar (250 PSI) nitrogen test pressure and 10 bar (150 PSI) maximum working pressure.

### Ordering Information

**Valve Construction**

Needle valve with replaceable self-centering stainless steel needle and replaceable stainless steel seat

**Product Finish**
- **WHT** Gloss white powder coated finish
- **GRY** Gloss light gray powder coated finish
- **GRD** Gloss dark gray powder coated finish
- **STM** Starburst metallic powder coated finish
- **PCL** Polished chrome plated finish with clear epoxy coating
- **SCC** Satin chrome plated finish with clear epoxy coating
- **SNC** Satin nickel plated finish with clear epoxy coating

**Note:** Refer to “Product Finishes” catalog for complete information on finishes.

**Inlet/Outlet**

<table>
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<tr>
<th>10mm OD Tube</th>
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<tbody>
<tr>
<td><strong>BT753FCN-M10T</strong></td>
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<tr>
<td><strong>BT753N-M10T</strong></td>
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</table>

**Media**

[Image of the valve with dimensions and specifications]
BT753GI Valve for Burning Gases, Push/Turn

**Application:** Panel mounted valve for burning gases, including natural gas, propane and bottled gas. Valve has 35mm dia. body. Valve has 10mm OD brazed copper tubes on inlet and outlet.

**Mounting:** Valve is installed on front face of cupboard and secured with screws. Provide a 36mm (1-7/16") diameter hole. Maximum panel thickness is 25mm (1"). All working components of valve are accessible from front exterior face of cupboard.

**Valve Body:** 35mm (1-3/8") diameter forged brass.

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

**Handle:** Forged brass 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 open or closed. Handle and index disc are color coded and marked per EN 13792.

**Inlet/Outlet:** 10mm copper tubes.

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

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**Ordering Information**

<table>
<thead>
<tr>
<th>Valve Construction</th>
<th>Inlet/Outlet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Push/tum ceramic disc cartridge</td>
<td>10mm OD Tube</td>
</tr>
</tbody>
</table>

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

**Product Finish**

- [ ] WHT  Gloss white powder coated finish
- [ ] GRY  Gloss light gray powder coated finish
- [ ] GRD  Gloss dark gray powder coated finish
- [ ] STM  Starburst metallic powder coated finish
- [ ] PCL  Polished chrome plated finish with clear epoxy coating
- [ ] SCC  Satin chrome plated finish with clear epoxy coating
- [ ] SNC  Satin nickel plated finish with clear epoxy coating

**Note:** Refer to "Product Finishes" catalog for complete information on finishes.

**Media**
Fume Cupboard Valves

- **BT753W**
  Water Valve, Compression Construction
- **BT753WC**
  Water Valve, Ceramic Disc Construction

**Application:** Panel mounted valve for water. Valve has 35mm dia. body. Valve has 10mm OD brazed copper tubes on inlet and outlet.

**Mounting:** Valve is installed on front face of cupboard and secured with screws. Provide a 36mm (1-7/16”) diameter hole. Maximum panel thickness is 25mm (1”). All working components of valve are accessible from front exterior face of cupboard.

**Valve Body:** 35mm (1-3/8”) diameter forged brass.

**Headwork:**
- BT753W has WaterSaver compression valve construction with replaceable stainless steel seat.
- BT753WC has self-contained replaceable ceramic disc cartridge.

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

**Inlet/Outlet:** 10mm copper tubes.

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

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### Ordering Information

<table>
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<tr>
<th>Valve Construction</th>
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<td>Compression valve with replaceable stainless steel seat</td>
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<table>
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<th>Product Finish</th>
<th>Inlet/Outlet</th>
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<td>WHT  Gloss white powder coated finish</td>
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<td>PCL  Polished chrome plated finish with clear epoxy coating</td>
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<tr>
<td>GRY  Gloss light gray powder coated finish</td>
<td>BT753WC-M10T</td>
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<tr>
<td>SCC  Satin chrome plated finish with clear epoxy coating</td>
<td></td>
</tr>
<tr>
<td>GRD  Gloss dark gray powder coated finish</td>
<td></td>
</tr>
<tr>
<td>SNC  Satin nickel plated finish with clear epoxy coating</td>
<td></td>
</tr>
<tr>
<td>STM  Starburst metallic powder coated finish</td>
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</tbody>
</table>

**Note:** Refer to “Product Finishes” catalog for complete information on finishes.

### Media

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WaterSaver Faucet Co.
BT753WTL Pure Water Valve, Tin-Lined

Application: Panel mounted valve for distilled, deionised or reverse osmosis water. All components in contact with water have interior lining of pure tin. Valve has 35mm dia. body. Valve has 10mm OD stainless steel tubes on inlet and outlet.

Mounting: Valve is installed on front face of cupboard and secured with screws. Provide a 36mm (1-7/16") diameter hole. Maximum panel thickness is 25mm ("1"). All working components of valve are accessible from front exterior face of cupboard.

Valve Body: 35mm (1-3/8") diameter brass bar stock.

Headwork: WaterSaver tin-lined compression valve construction 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/Outlet: 10mm stainless steel tubes.

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

Ordering Information

Valve Construction
Tin-lined compression valve with replaceable stainless steel seat

Inlet/Outlet
10mm OD Tube

Media

Product Finish

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<tr>
<th>Code</th>
<th>Finish Description</th>
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<tbody>
<tr>
<td>WHT</td>
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<td>Gloss light gray powder coated finish</td>
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<td>GRD</td>
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<td>SNC</td>
<td>Satin nickel plated finish with clear epoxy coating</td>
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</table>

Note: Refer to "Product Finishes" catalog for complete information on finishes.
Fume Cupboard Valves

**BT754FCN**
Valve for Laboratory Gases,
Fine Control Needle Valve

**BT754N**
Valve for Laboratory Gases, Needle Valve

**Application:** Panel mounted valve for laboratory gases. Valve has 44mm dia. body. For use with flexible hose connectors or tubing on inlet and outlet.

**Mounting:** Valve is installed on front face of cupboard and secured with screws. Provide a 46mm (1-13/16") diameter hole. Maximum panel thickness is 25mm (1"). All working components of valve are accessible from front exterior face of cupboard.

**Valve Body:** 44mm (1-3/4") diameter forged brass.

**Headwork:**
- **BT754FCN:** Replaceable self-centering stainless steel needle and replaceable stainless steel seat. Needle is finely tapered for precise metering of flow. **Valve is capable of delivering one bubble of nitrogen gas at a time.** Valve is specially cleaned, lubricated and packaged for use with high purity gases.
- **BT754N:** Replaceable self-centering stainless steel needle and replaceable stainless steel seat. When ordered, valve is specially cleaned, lubricated and packaged for use with high purity gases.

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

**Inlet/Outlet:** Select from options below.

**Quality Assurance:** Valve is fully assembled and factory tested prior to shipment. BT754FCN has 25 bar (375 PSI) nitrogen test pressure and 17 bar (250 PSI) maximum working pressure. BT754N has 17 bar (250 PSI) nitrogen test pressure and 10 bar (150 PSI) maximum working pressure.

**Ordering Information**

**Valve Construction**

Needle valve with replaceable self-centering stainless steel needle and replaceable stainless steel seat

**Inlet/Outlet Options**

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<thead>
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<th>G1/4 Female</th>
<th>1/4 NPT Female</th>
<th>10mm Push/Fit Tube</th>
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<td>□ BT754FCN-M10PF</td>
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<td>□ BT754N-2F</td>
<td>□ BT754N-M10PF</td>
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</tbody>
</table>

**Product Finish**

<table>
<thead>
<tr>
<th>WHT</th>
<th>Gloss white powder coated finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRY</td>
<td>Gloss light gray powder coated finish</td>
</tr>
<tr>
<td>GRD</td>
<td>Gloss dark gray powder coated finish</td>
</tr>
<tr>
<td>STM</td>
<td>Starburst metallic powder coated finish</td>
</tr>
<tr>
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<td>Satin chrome plated finish with clear epoxy coating</td>
</tr>
<tr>
<td>SNC</td>
<td>Satin nickel plated finish with clear epoxy coating</td>
</tr>
</tbody>
</table>

**Note:** Refer to “Product Finishes” catalog for complete information on finishes.

**Media**

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ColorTech BT
WaterSaver Faucet Co. wsflab.com 23
Fume Cupboard Valves

BT754GI Valve for Burning Gases, Push/Turn

Application: Panel mounted valve for burning gases, including natural gas, propane and bottled gas. Valve has 44mm dia. body. For use with flexible hose connectors or tubing on inlet and outlet.

Mounting: Valve is installed on front face of cupboard and secured with screws. Provide a 46mm (1-13/16”) diameter hole. Maximum panel thickness is 25mm (1”). All working components of valve are accessible from front exterior face of cupboard.

Valve Body: 44mm (1-3/4”) diameter forged brass.

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

Handle: Forged brass 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 open or closed. Handle and index disc are color coded and marked per EN 13792.

Inlet/Outlet: Select from options below.

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

Ordering Information

<table>
<thead>
<tr>
<th>Valve Construction</th>
<th>Inlet/Outlet Options</th>
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</thead>
<tbody>
<tr>
<td>Push/tum ceramic disc cartridge</td>
<td>G1/4 Female</td>
</tr>
<tr>
<td></td>
<td>BT754GI-G2F</td>
</tr>
</tbody>
</table>

Note: If red pop-up indicator buttons are not required, delete suffix “I”. Valve will be furnished with molded nylon handle.

Product Finish

- WHT  Gloss white powder coated finish
- PCL  Polished chrome plated finish with clear epoxy coating
- GRY  Gloss light gray powder coated finish
- SCC  Satin chrome plated finish with clear epoxy coating
- GRD  Gloss dark gray powder coated finish
- SNC  Satin nickel plated finish with clear epoxy coating
- STM  Starburst metallic powder coated finish

Note: Refer to “Product Finishes” catalog for complete information on finishes.

Media
Fume Cupboard Valves

- **BT754W**: Water Valve, Compression Construction
- **BT754WC**: Water Valve, Ceramic Disc Construction

**Application**: Panel mounted valve for water. Valve has 44mm dia. body. For use with flexible hose connectors or tubing on inlet and outlet.

**Mounting**: Valve is installed on front face of cupboard and secured with screws. Provide a 46mm (1-3/16”) diameter hole. Maximum panel thickness is 25mm (1”). All working components of valve are accessible from front exterior face of cupboard.

**Valve Body**: 44mm (1-3/4”) diameter forged brass.

**Headwork**: BT754W has WaterSaver compression valve construction with replaceable stainless steel seat. BT754WC has self-contained replaceable ceramic disc cartridge.

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

**Inlet/Outlet**: Select from options below.

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

**Ordering Information**

<table>
<thead>
<tr>
<th>Valve Construction</th>
<th>Inlet/Outlet Options</th>
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</thead>
<tbody>
<tr>
<td>Compression valve with replaceable stainless steel seat</td>
<td><strong>G1/4 Female</strong></td>
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<tr>
<td>Ceramic disc cartridge</td>
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<td><strong>BT754WC-G2F</strong></td>
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</table>

**Product Finish**

- **WHT**: Gloss white powder coated finish
- **PCL**: Polished chrome plated finish with clear epoxy coating
- **GRY**: Gloss light gray powder coated finish
- **SCC**: Satin chrome plated finish with clear epoxy coating
- **GRD**: Gloss dark gray powder coated finish
- **SNC**: Satin nickel plated finish with clear epoxy coating
- **STM**: Starburst metallic powder coated finish

**Note**: Refer to “Product Finishes” catalog for complete information on finishes.

**Media**

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WaterSaver Faucet Co.
Fume Cupboard Valves

BT754WTL Pure Water Valve, Tin-Lined

**Application:** Panel mounted valve for distilled, deionised or reverse osmosis water. All components in contact with water have interior lining of pure tin. Valve has 44mm dia. body. For use with flexible hose connectors or tubing.

**Mounting:** Valve is installed on front face of cupboard and secured with screws. Provide a 46mm (1-13/16”) diameter hole. Maximum panel thickness is 25mm (“”). All working components of valve are accessible from front exterior face of cupboard.

**Valve Body:** 44mm (1-3/4”) diameter brass bar stock.

**Headwork:** WaterSaver tin-lined compression valve construction 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/Outlet:** Select from options below.

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

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**Ordering Information**

<table>
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<tr>
<th>Valve Construction</th>
<th>G1/4 Female</th>
<th>1/4 NPT Female</th>
<th>10mm Push/Fit Tube</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tin-lined compression valve with replaceable stainless steel seat</td>
<td>BT754WTL-G2F</td>
<td>BT754WTL-2F</td>
<td>BT754WTL-M10PF</td>
</tr>
</tbody>
</table>

**Product Finish**

- WHT  Gloss white powder coated finish
- PCL  Polished chrome plated finish with clear epoxy coating
- GRY  Gloss light gray powder coated finish
- SCC  Satin chrome plated finish with clear epoxy coating
- GRD  Gloss dark gray powder coated finish
- SNC  Satin nickel plated finish with clear epoxy coating
- STM  Starburst metallic powder coated finish

**Note:** Refer to “Product Finishes” catalog for complete information on finishes.

**Media**

---

WaterSaver Faucet Co.
WaterSaver ColorTech BT fume cupboard fittings are unique in the laboratory industry in two respects. First, fittings are available in a choice of finishes and colors, including powder coated finishes and satin finishes with clear epoxy coating. Please refer to a WaterSaver “Product Finishes” catalog for information on available finishes. Second, fittings are supplied with a three-color escutcheon that is color coded and marked per EN 13792. The color and marking of the outlet fitting exactly match the handle of the valve. The media is therefore easily identifiable inside the fume cupboard.

### Water

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>WPH</td>
<td>Potable Water, Hot</td>
</tr>
<tr>
<td>WPC</td>
<td>Potable Water, Cold</td>
</tr>
<tr>
<td>WNH</td>
<td>Non-Potable Water, Hot</td>
</tr>
<tr>
<td>WNC</td>
<td>Non-Potable Water, Cold</td>
</tr>
<tr>
<td>WCF</td>
<td>Coolant Water Feed</td>
</tr>
<tr>
<td>WCR</td>
<td>Coolant Water Return</td>
</tr>
</tbody>
</table>

### Pure Water

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>WCH</td>
<td>Super-Clean Water, Hot</td>
</tr>
<tr>
<td>WCC</td>
<td>Super-Clean Water, Cold</td>
</tr>
<tr>
<td>WDN</td>
<td>Deionised Water, Hot</td>
</tr>
<tr>
<td>WDC</td>
<td>Deionised Water, Cold</td>
</tr>
<tr>
<td>WDI</td>
<td>Distilled Water</td>
</tr>
</tbody>
</table>

### Flammable Gaseous Hydrocarbons

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>G</td>
<td>Natural Gas</td>
</tr>
<tr>
<td>CH₄</td>
<td>Methane</td>
</tr>
<tr>
<td>C₃H₈</td>
<td>Propane</td>
</tr>
<tr>
<td>C₄H₁₀</td>
<td>Butane</td>
</tr>
<tr>
<td>C₂H₂</td>
<td>Acetylene</td>
</tr>
</tbody>
</table>

### Non-Flammable Gases (Including Combustion-Enhancing Gases)

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SA</td>
<td>Air, Synthetic, 80/20</td>
</tr>
<tr>
<td>BA</td>
<td>Air, Breathing</td>
</tr>
<tr>
<td>CA</td>
<td>Air, Compressed</td>
</tr>
<tr>
<td>RA</td>
<td>Air, Regulated</td>
</tr>
<tr>
<td>Ar</td>
<td>Argon</td>
</tr>
<tr>
<td>CB</td>
<td>Carbogen (CO₂ + O₂)</td>
</tr>
<tr>
<td>CO₂</td>
<td>Carbon Dioxide</td>
</tr>
<tr>
<td>He</td>
<td>Helium</td>
</tr>
<tr>
<td>N₂</td>
<td>Nitrogen</td>
</tr>
<tr>
<td>O₂</td>
<td>Oxygen</td>
</tr>
</tbody>
</table>

### Vacuum

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>V</td>
<td>Low Vacuum</td>
</tr>
<tr>
<td>VF</td>
<td>Fine Vacuum</td>
</tr>
<tr>
<td>VH</td>
<td>High Vacuum</td>
</tr>
</tbody>
</table>

### Other Media

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NH₃</td>
<td>Ammonia</td>
</tr>
<tr>
<td>H₂</td>
<td>Hydrogen</td>
</tr>
<tr>
<td>H₂/He</td>
<td>Hydrogen/Helium</td>
</tr>
<tr>
<td>H₂N₂</td>
<td>Hydrogen/Nitrogen</td>
</tr>
<tr>
<td>WST</td>
<td>Steam</td>
</tr>
</tbody>
</table>
### Fume Cupboard Outlets

**BT020 Outlet Fitting, Panel Mounted, Back Inlet**

**Application:** Panel mounted fume cupboard outlet fitting. Inlet connection is at end of mounting shank. When ordered for high purity gases, fitting is specially cleaned and packaged.

**Body:** Brass bar stock. Body is available in a choice of finishes (see below).

**Escutcheon:** Molded nylon three-piece escutcheon color coded and marked per EN 13792.

**Inlet:** Furnished with G1/2 mounting shank, locknut and washer. Available with choice of inlet connections (see below).

**Outlet:** Available with serrated hose end, quick connect or compression fitting, as ordered (see below).

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

---

**Ordering Information**

**Outlet Fitting**

- **Serrated hose end**
  - BT020
  - BT020-G2F
  - BT020-2F
  - BT020-M10PF

- **Quick connect fitting**
  - BT020Q
  - BT020Q-G2F
  - BT020Q-2F
  - BT020Q-M10PF

- **Quick connect fitting with hose end**
  - BT020QH
  - BT020QH-G2F
  - BT020QH-2F
  - BT020QH-M10PF

- **10mm OD compression fitting**
  - BT020C
  - BT020C-G2F
  - BT020C-2F
  - BT020C-M10PF

**Inlet Connection Options**

- G1/2 Male
- G1/4 Female
- 1/4 NPT Female
- 10mm Push/Fit Tube

**Note:** Specify if cleaning for high purity gas is required.

### Product Finish

- **WHT** Gloss white powder coated finish
- **PCL** Polished chrome plated finish with clear epoxy coating
- **GRY** Gloss light gray powder coated finish
- **SCC** Satin chrome plated finish with clear epoxy coating
- **GRD** Gloss dark gray powder coated finish
- **SNC** Satin nickel plated finish with clear epoxy coating
- **STM** Starburst metallic powder coated finish

**Note:** Refer to "Product Finishes" catalog for complete information on finishes.

### Media
Fume Cupboard Outlets

BT020SI Outlet Fitting, Panel Mounted, Side Inlet

**Application:** Panel mounted fume cupboard outlet fitting. Inlet connection is on side of mounting shank. When ordered for high purity gases, fitting is specially cleaned and packaged.

**Body:** Brass bar stock. Body is available in a choice of finishes (see below).

**Escutcheon:** Molded nylon three-piece escutcheon color coded and marked per EN 13792.

**Inlet:** Furnished with G3/2 mounting shank, locknut and washer. Available with choice of inlet connections (see below). Specify inlet position when ordering.

**Outlet:** Available with serrated hose end, quick connect or compression fitting, as ordered (see below).

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

---

**Ordering Information**

**Inlet Connection Options**

<table>
<thead>
<tr>
<th>Outlet Fitting</th>
<th>G1/4 Female</th>
<th>1/4 NPT Female</th>
</tr>
</thead>
<tbody>
<tr>
<td>Serrated hose end</td>
<td>BT020SI-G2F</td>
<td>BT020SI-2F</td>
</tr>
<tr>
<td>Quick connect fitting</td>
<td>BT020SI-Q-G2F</td>
<td>BT020SI-Q-2F</td>
</tr>
<tr>
<td>Quick connect fitting with hose end</td>
<td>BT020SI-QH-G2F</td>
<td>BT020SI-QH-2F</td>
</tr>
<tr>
<td>10mm OD compression fitting</td>
<td>BT020SI-C-G2F</td>
<td>BT020SI-C-2F</td>
</tr>
</tbody>
</table>

*Note: Specify if cleaning for high purity gas is required.*

**Product Finish**

- **WHT** Gloss white powder coated finish
- **PCL** Polished chrome plated finish with clear epoxy coating
- **GYR** Gloss light gray powder coated finish
- **SCC** Satin chrome plated finish with clear epoxy coating
- **GRD** Gloss dark gray powder coated finish
- **SNC** Satin nickel plated finish with clear epoxy coating
- **STM** Starburst metallic powder coated finish

*Note: Refer to “Product Finishes” catalog for complete information on finishes.*

**Media**

---

WaterSaver Faucet Co.
BT022 Outlet Fitting, Panel Mounted, Back Inlet

**Application:** Panel mounted fume cupboard outlet fitting. Inlet connection is at end of mounting shank. When ordered for high purity gases, fitting is specially cleaned and packaged.

**Body:** Brass bar stock. Body is available in a choice of finishes (see below).

**Escutcheon:** Molded nylon three-piece escutcheon color coded and marked per EN 13792.

**Inlet:** Furnished with G1/2 mounting shank, locknut and washer. Available with choice of inlet connections (see below).

**Outlet:** Available with serrated hose end, quick connect or compression fitting, as ordered (see below).

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

### Ordering Information

#### Inlet Connection Options

<table>
<thead>
<tr>
<th>Outlet Fitting</th>
<th>G1/2 Male</th>
<th>G1/4 Female</th>
<th>1/4 NPT Female</th>
<th>10mm Push/Fit Tube</th>
</tr>
</thead>
<tbody>
<tr>
<td>Serrated hose end</td>
<td>BT022</td>
<td>BT022-G2F</td>
<td>BT022-2F</td>
<td>BT022-M10PF</td>
</tr>
<tr>
<td>Quick connect fitting</td>
<td>BT022Q</td>
<td>BT022Q-G2F</td>
<td>BT022Q-2F</td>
<td>BT022Q-M10PF</td>
</tr>
<tr>
<td>Quick connect fitting with hose end</td>
<td>BT022QH</td>
<td>BT022QH-G2F</td>
<td>BT022QH-2F</td>
<td>BT022QH-M10PF</td>
</tr>
<tr>
<td>10mm OD compression fitting</td>
<td>BT022C</td>
<td>BT022C-G2F</td>
<td>BT022C-2F</td>
<td>BT022C-M10PF</td>
</tr>
</tbody>
</table>

*Note:* Specify if cleaning for high purity gas is required.

#### Product Finish

- **WHT** Gloss white powder coated finish
- **PCL** Polished chrome plated finish with clear epoxy coating
- **GRY** Gloss light gray powder coated finish
- **SCC** Satin chrome plated finish with clear epoxy coating
- **GRD** Gloss dark gray powder coated finish
- **SNC** Satin nickel plated finish with clear epoxy coating
- **STM** Starburst metallic powder coated finish

*Note:* Refer to “Product Finishes” catalog for complete information on finishes.

#### Media

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30 wsflab.com
Fume Cupboard Outlets

BT022SI Outlet Fitting, Panel Mounted, Side Inlet

**Application:** Panel mounted fume cupboard outlet fitting. Inlet connection is on side of mounting shank. When ordered for high purity gases, fitting is specially cleaned and packaged.

**Body:** Brass bar stock. Body is available in a choice of finishes (see below).

**Escutcheon:** Molded nylon three-piece escutcheon color coded and marked per EN 13792.

**Inlet:** Furnished with G1/2 mounting shank, locknut and washer. Inlet connection is on side of shank. Available with choice of inlet connections (see below). Specify inlet position when ordering.

**Outlet:** Available with serrated hose end, quick connect or compression fitting, as ordered (see below).

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

---

**Ordering Information**

<table>
<thead>
<tr>
<th>Outlet Fitting</th>
<th>G1/4 Female</th>
<th>1/4 NPT Female</th>
</tr>
</thead>
<tbody>
<tr>
<td>Serrated hose end</td>
<td>BT022SI-G2F</td>
<td>BT022SI-2F</td>
</tr>
<tr>
<td>Quick connect fitting</td>
<td>BT022SI-Q-G2F</td>
<td>BT022SI-Q-2F</td>
</tr>
<tr>
<td>Quick connect fitting with hose end</td>
<td>BT022SI-QH-G2F</td>
<td>BT022SI-QH-2F</td>
</tr>
<tr>
<td>10mm OD compression fitting</td>
<td>BT022SI-C-G2F</td>
<td>BT022SI-C-2F</td>
</tr>
</tbody>
</table>

**Note:** Specify if cleaning for high purity gas is required.

**Product Finish**

- **WHT** Gloss white powder coated finish
- **PCL** Polished chrome plated finish with clear epoxy coating
- **GYR** Gloss light gray powder coated finish
- **SCC** Satin chrome plated finish with clear epoxy coating
- **GRD** Gloss dark gray powder coated finish
- **SNC** Satin nickel plated finish with clear epoxy coating
- **STM** Starburst metallic powder coated finish

**Note:** Refer to “Product Finishes” catalog for complete information on finishes.

**Media**

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WaterSaver Faucet Co.
**Fume Cupboard Outlets**

**BT050 Outlet Fitting, Panel Mounted, Back Inlet**

**Application:** Panel mounted fume cupboard outlet fitting. Inlet connection is at end of mounting shank. 54mm (2-1/8") from panel to outlet.

**Body:** Brass bar stock. Body is available in a choice of finishes (see below).

**Escutcheon:** Molded nylon three-piece escutcheon color coded and marked per EN 13792.

**Inlet:** Furnished with G1/2 mounting shank, locknut and washer. Available with choice of inlet connections (see below).

**Outlet:** Available with serrated hose end, quick connect or compression fitting, as ordered (see below).

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

---

**Ordering Information**

<table>
<thead>
<tr>
<th>Outlet Fitting</th>
<th>G1/2 Male</th>
<th>G1/4 Female</th>
<th>1/4 NPT Female</th>
<th>10mm Push/Fit Tube</th>
</tr>
</thead>
<tbody>
<tr>
<td>Serrated hose end</td>
<td>BT050</td>
<td>BT050-G2F</td>
<td>BT050-2F</td>
<td>BT050-M10PF</td>
</tr>
<tr>
<td>Quick connect fitting</td>
<td>BT050Q</td>
<td>BT050Q-G2F</td>
<td>BT050Q-2F</td>
<td>BT050Q-M10PF</td>
</tr>
<tr>
<td>10mm OD compression fitting</td>
<td>BT050C</td>
<td>BT050C-G2F</td>
<td>BT050C-2F</td>
<td>BT050C-M10PF</td>
</tr>
</tbody>
</table>

**Note:** Specify if cleaning for high purity gas is required.

---

**Product Finish**

- WHT: Gloss white powder coated finish
- PCL: Polished chrome plated finish with clear epoxy coating
- GRY: Gloss light gray powder coated finish
- SCC: Satin chrome plated finish with clear epoxy coating
- GRD: Gloss dark gray powder coated finish
- SNC: Satin nickel plated finish with clear epoxy coating
- STM: Starburst metallic powder coated finish

**Note:** Refer to “Product Finishes” catalog for complete information on finishes.

---

**Media**

---

WaterSaver Faucet Co.
BT050SI Outlet Fitting, Panel Mounted, Side Inlet

**Application:** Panel mounted fume cupboard outlet fitting. Inlet connection is on side of mounting shank. 54mm (2-1/8") from panel outlet.

**Body:** Brass bar stock. Body is available in a choice of finishes (see below).

**Escutcheon:** Molded nylon three-piece escutcheon color coded and marked per EN 13792.

**Inlet:** Furnished with G1/2 mounting shank, locknut and washer. Inlet connection is on side of shank. Available with choice of inlet connections (see below). Specify inlet position when ordering.

**Outlet:** Available with serrated hose end, quick connect or compression fitting, as ordered (see below).

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

### Ordering Information

<table>
<thead>
<tr>
<th>Outlet Fitting</th>
<th>Inlet Connection Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Serrated hose end</td>
<td>G1/4 Female</td>
</tr>
<tr>
<td></td>
<td>1/4 NPT Female</td>
</tr>
<tr>
<td>Quick connect fitting</td>
<td>BT050SI-G2F</td>
</tr>
<tr>
<td></td>
<td>BT050SI-2F</td>
</tr>
<tr>
<td>10mm OD compression fitting</td>
<td>BT050SI-Q-G2F</td>
</tr>
<tr>
<td></td>
<td>BT050SI-Q-2F</td>
</tr>
<tr>
<td></td>
<td>BT050SI-C-G2F</td>
</tr>
<tr>
<td></td>
<td>BT050SI-C-2F</td>
</tr>
</tbody>
</table>

**Note:** Specify if cleaning for high purity gas is required.

### Product Finish

- **WHT** Gloss white powder coated finish
- **PCL** Polished chrome plated finish with clear epoxy coating
- **GRY** Gloss light gray powder coated finish
- **SCC** Satin chrome plated finish with clear epoxy coating
- **GRD** Gloss dark gray powder coated finish
- **SNC** Satin nickel plated finish with clear epoxy coating
- **STM** Starburst metallic powder coated finish

**Note:** Refer to “Product Finishes” catalog for complete information on finishes.

### Media
**BT051 Outlet Fitting, Panel Mounted, Back Inlet**

**Application:** Panel mounted fume cupboard outlet fitting. Inlet connection is at end of mounting shank. 89mm (3-1/2”) from panel to outlet.

**Body:** Brass bar stock. Body is available in a choice of finishes (see below).

**Escutcheon:** Molded nylon three-piece escutcheon color coded and marked per EN 13792.

**Inlet:** Furnished with G1/2 mounting shank, locknut and washer. Available with choice of inlet connections (see below).

**Outlet:** Available with serrated hose end, quick connect or compression fitting, as ordered (see below).

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

---

**Ordering Information**

<table>
<thead>
<tr>
<th>Outlet Fitting</th>
<th>Inlet Connection Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Serrated hose end</td>
<td>G1/2 Male</td>
</tr>
<tr>
<td>Quick connect fitting</td>
<td>BT051</td>
</tr>
<tr>
<td>10mm OD compression fitting</td>
<td>BT051C</td>
</tr>
</tbody>
</table>

**Note:** Specify if cleaning for high purity gas is required.

---

**Product Finish**

- **WHT**  Gloss white powder coated finish
- **PCL**  Polished chrome plated finish with clear epoxy coating
- **GRY**  Gloss light gray powder coated finish
- **SCC**  Satin chrome plated finish with clear epoxy coating
- **GRD**  Gloss dark gray powder coated finish
- **SNC**  Satin nickel plated finish with clear epoxy coating
- **STM**  Starburst metallic powder coated finish

**Note:** Refer to “Product Finishes” catalog for complete information on finishes.

---

**Media**

- [Image of BT051 fitting with dimensions and connection options]
**Application:** Panel mounted fume cupboard outlet fitting. Inlet connection is on side mounting shank. 89mm (3-1/2") from panel to outlet.

**Body:** Brass bar stock. Body is available in a choice of finishes (see below).

**Escutcheon:** Molded nylon three-piece escutcheon color coded and marked per EN 13792.

**Inlet:** Furnished with G1/2 mounting shank, locknut and washer. Inlet connection is on side of shank. Available with choice of inlet connections (see below). Specify inlet position when ordering.

**Outlet:** Available with serrated hose end, quick connect or compression fitting, as ordered (see below).

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

---

**Ordering Information**

<table>
<thead>
<tr>
<th>Outlet Fitting</th>
<th>Inlet Connection Options</th>
<th>G1/4 Female</th>
<th>1/4 NPT Female</th>
</tr>
</thead>
<tbody>
<tr>
<td>Serrated hose end</td>
<td></td>
<td>BT051SI-G2F</td>
<td>BT051SI-2F</td>
</tr>
<tr>
<td>Quick connect fitting</td>
<td></td>
<td>BT051SI-Q-G2F</td>
<td>BT051SI-Q-2F</td>
</tr>
<tr>
<td>10mm OD compression fitting</td>
<td></td>
<td>BT051SI-C-G2F</td>
<td>BT051SI-C-2F</td>
</tr>
</tbody>
</table>

**Note:** Specify if cleaning for high purity gas is required.

---

**Product Finish**

- **WHT**  Gloss white powder coated finish
- **PCL**  Polished chrome plated finish with clear epoxy coating
- **GRY**  Gloss light gray powder coated finish
- **SCC**  Satin chrome plated finish with clear epoxy coating
- **GRD**  Gloss dark gray powder coated finish
- **SNC**  Satin nickel plated finish with clear epoxy coating
- **STM**  Starburst metallic powder coated finish

**Note:** Refer to “Product Finishes” catalog for complete information on finishes.

---

**Media**

---
**Application:** Panel mounted fume cupboard outlet fitting. Inlet connection is at end of mounting shank. 150mm (6") from panel outlet.

**Body:** Brass bar stock. Body is available in a choice of finishes (see below).

**Escutcheon:** Molded nylon three-piece escutcheon color coded and marked per EN 13792.

**Inlet:** Furnished with G1/2 mounting shank, locknut and washer. Available with choice of inlet connections (see below).

**Outlet:** Available with serrated hose end, quick connect or compression fitting, as ordered (see below).

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

---

**Ordering Information**

<table>
<thead>
<tr>
<th>Outlet Fitting</th>
<th>Inlet Connection Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Serrated hose end</td>
<td>G1/2 Male</td>
</tr>
<tr>
<td>Quick connect fitting</td>
<td>BT052</td>
</tr>
<tr>
<td>10mm OD compression fitting</td>
<td>BT052C</td>
</tr>
</tbody>
</table>

*Note: Specify if cleaning for high purity gas is required.*

---

**Product Finish**

- WHT  Gloss white powder coated finish
- GRY  Gloss light gray powder coated finish
- GRD  Gloss dark gray powder coated finish
- STM  Starburst metallic powder coated finish
- PCL  Polished chrome plated finish with clear epoxy coating
- SCC  Satin chrome plated finish with clear epoxy coating
- SNC  Satin nickel plated finish with clear epoxy coating

*Note: Refer to "Product Finishes" catalog for complete information on finishes.*

---

**Media**

---
**BT052SI Outlet Fitting, Panel Mounted, Side Inlet**

**Application:** Panel mounted fume cupboard outlet fitting. Inlet connection is on side of mounting shank. 150mm (6") from panel to outlet.

**Body:** Brass bar stock. Body is available in a choice of finishes (see below).

**Escutcheon:** Molded nylon three-piece escutcheon color coded and marked per EN 13792.

**Inlet:** Furnished with G1/2 mounting shank, locknut and washer. Inlet connection is on side of shank. Available with choice of inlet connections (see below).

**Outlet:** Available with serrated hose end, quick connect or compression fitting, as ordered (see below).

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

### Ordering Information

<table>
<thead>
<tr>
<th>Outlet Fitting</th>
<th>Inlet Connection Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Serrated hose end</td>
<td>G1/4 Female</td>
</tr>
<tr>
<td>Quick connect fitting</td>
<td>BT052SI-G2F</td>
</tr>
<tr>
<td>10mm OD compression fitting</td>
<td>BT052SI-C2F</td>
</tr>
</tbody>
</table>

**Note:** Specify if cleaning for high purity gas is required.

### Product Finish

- **WHT** Gloss white powder coated finish
- **GRY** Gloss light gray powder coated finish
- **GRD** Gloss dark gray powder coated finish
- **STM** Starburst metallic powder coated finish
- **PCL** Polished chrome plated finish with clear epoxy coating
- **SCC** Satin chrome plated finish with clear epoxy coating
- **SNC** Satin nickel plated finish with clear epoxy coating

**Note:** Refer to “Product Finishes” catalog for complete information on finishes.

### Media

WaterSaver Faucet Co.  
wslab.com  
37
Fume Cupboard Gooseneck Fittings

**BT071** Panel Mounted Gooseneck Fitting, Rigid Gooseneck

**BT074** Panel Mounted Gooseneck Fitting, Rigid/Swing Gooseneck

**Application**: Panel mounted gooseneck fitting for water.

**Body**: Brass bar stock (BT071) or forged brass (BT074).

**Gooseneck**: 150mm (6") brass. BT071 has rigid gooseneck. BT074 has convertible rigid/swing gooseneck.

**Escutcheon**: Molded nylon three-piece escutcheon color coded and marked per EN 13792.

**Inlet**: Furnished with G1/2 mounting shank, locknut and washer. Available with choice of inlet connections (see below).

**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.

### Ordering Information

<table>
<thead>
<tr>
<th>Rigid Gooseneck</th>
<th>G1/2 Male</th>
<th>G1/4 Female</th>
<th>1/4 NPT Female</th>
<th>10mm Push/Fit Tube</th>
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</thead>
<tbody>
<tr>
<td>BT071</td>
<td>BT071</td>
<td>BT071-C2F</td>
<td>BT071-2F</td>
<td>BT071-M10PF</td>
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<table>
<thead>
<tr>
<th>Rigid/Swing Gooseneck</th>
<th>G1/2 Male</th>
<th>G1/4 Female</th>
<th>1/4 NPT Female</th>
<th>10mm Push/Fit Tube</th>
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<tr>
<td>BT074</td>
<td>BT074</td>
<td>BT074-C2F</td>
<td>BT074-2F</td>
<td>BT074-M10PF</td>
</tr>
</tbody>
</table>

**Product Finish**

- **WHT**: Gloss white powder coated finish
- **PCL**: Polished chrome plated finish with clear epoxy coating
- **GRY**: Gloss light gray powder coated finish
- **SCC**: Satin chrome plated finish with clear epoxy coating
- **GRD**: Gloss dark gray powder coated finish
- **SNC**: Satin nickel plated finish with clear epoxy coating
- **STM**: Starburst metallic powder coated finish

**Note**: Refer to “Product Finishes” catalog for complete information on finishes.

**Media**
Fume Cupboard Gooseneck Fittings

- **BT071SI** Fume Cupboard Gooseneck Fitting, Rigid Gooseneck, Side Inlet
- **BT074SI** Fume Cupboard Gooseneck Fitting, Rigid/Swing Gooseneck, Side Inlet

**Application:** Panel mounted fume cupboard gooseneck fitting for water. Inlet connection is on side of mounting shank.

**Body:** Brass bar stock (BT071SI) or forged brass (BT074SI).

**Gooseneck:** 150mm (6") brass. BT071SI has rigid gooseneck. BT074SI has convertible rigid/swing gooseneck.

**Escutcheon:** Molded nylon three-piece escutcheon color coded and marked per EN 13792.

**Inlet:** Furnished with G1/2 mounting shank, locknut and washer. Available with choice of inlet connections (see below). Specify inlet position when ordering.

**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.

### Ordering Information

<table>
<thead>
<tr>
<th>Inlet Connection Options</th>
<th>G1/4 Female</th>
<th>1/4 NPT Female</th>
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</thead>
<tbody>
<tr>
<td>Rigid Gooseneck</td>
<td>BT071SI-G2F</td>
<td>BT071SI-2F</td>
</tr>
<tr>
<td>Rigid/Swing Gooseneck</td>
<td>BT074SI-G2F</td>
<td>BT074SI-2F</td>
</tr>
</tbody>
</table>

**Product Finish**

- **WHT** Gloss white powder coated finish
- **PCL** Polished chrome plated finish with clear epoxy coating
- **GRY** Gloss light gray powder coated finish
- **SCC** Satin chrome plated finish with clear epoxy coating
- **GRD** Gloss dark gray powder coated finish
- **SNC** Satin nickel plated finish with clear epoxy coating
- **STM** Starburst metallic powder coated finish

**Note:** Refer to “Product Finishes” catalog for complete information on finishes.

**Media**

WaterSaver Faucet Co.
**Application:** Bench or countertop mounted gooseneck fitting for water.

**Body:** Brass bar stock.

**Gooseneck:** 150mm (6”) brass. BT081 has rigid gooseneck. BT084 has convertible rigid/swing gooseneck.

**Escutcheon:** Molded nylon three-piece escutcheon color coded and marked per EN 13792.

**Inlet:** Furnished with G1/2 mounting shank, locknut and washer. Available with choice of inlet connections (see below).

**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.

### Ordering Information

#### Inlet Connection Options

<table>
<thead>
<tr>
<th></th>
<th>G1/2 Male</th>
<th>G1/4 Female</th>
<th>1/4 NPT Female</th>
<th>10mm Push/Fit Tube</th>
</tr>
</thead>
<tbody>
<tr>
<td>BT081</td>
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<tr>
<td>BT081-G2F</td>
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<td>BT081-2F</td>
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<td>BT084</td>
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<tr>
<td>BT084-M10PF</td>
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</table>

### Product Finish

- **WHT**  Gloss white powder coated finish
- **PCL**  Polished chrome plated finish with clear epoxy coating
- **GRY**  Gloss light gray powder coated finish
- **SCC**  Satin chrome plated finish with clear epoxy coating
- **GRD**  Gloss dark gray powder coated finish
- **SNC**  Satin nickel plated finish with clear epoxy coating
- **STM**  Starburst metallic powder coated finish

**Note:** Refer to “Product Finishes” catalog for complete information on finishes.

### Media

- [wsflab.com](http://wsflab.com)
**Fume Cupboard Gooseneck Fittings**

- **BT081SI** Fume Cupboard Gooseneck Fitting, Rigid Gooseneck, Side Inlet
- **BT084SI** Fume Cupboard Gooseneck Fitting, Rigid/Swing Gooseneck, Side Inlet

**Application:** Bench or countertop mounted fume cupboard gooseneck fitting for water. Inlet connection is on side of mounting shank.

**Body:** Brass bar stock.

**Gooseneck:** 152mm (6") brass. BT081SI has rigid gooseneck. BT084SI has convertible rigid/swing gooseneck.

**Escutcheon:** Molded nylon three-piece escutcheon color coded and marked per EN 13792.

**Outlet Information**

<table>
<thead>
<tr>
<th>Outlet Fitting</th>
<th>G1/4 Female</th>
<th>1/4 NPT Female</th>
</tr>
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<tbody>
<tr>
<td>Rigid Gooseneck</td>
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<td></td>
</tr>
<tr>
<td>Rigid/Swing Gooseneck</td>
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</tbody>
</table>

**Inlet Connection Options**

- BT081SI-G2F
- BT081SI-2F
- BT084SI-G2F
- BT084SI-2F

**Product Finish**

- **WHT** Gloss white powder coated finish
- **PCL** Polished chrome plated finish with clear epoxy coating
- **GRY** Gloss light gray powder coated finish
- **SCC** Satin chrome plated finish with clear epoxy coating
- **GRD** Gloss dark gray powder coated finish
- **SNC** Satin nickel plated finish with clear epoxy coating
- **STM** Starburst metallic powder coated finish

**Note:** Refer to “Product Finishes” catalog for complete information on finishes.

**Media**

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Application:

- Inlet: Furnished with G1/2 mounting shank, locknut and washer. Available with choice of inlet connections (see below). Specify inlet position when ordering.
- 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.
**Application:** Panel mounted valve for distilled, deionised or reverse osmosis water. All components in contact with pure water are inert polypropylene or polyvinylidene fluoride (PVDF), as ordered. Pure water comes in contact only with inert plastic.

**Mounting:** Valve is installed on front face of cupboard and secured from behind panel with locknut and set screws. Provide a 46mm (1-13/16”) diameter hole. Maximum panel thickness is 25mm (1”). All working components of valve are accessible from front exterior face of cupboard.

**Valve Body:** 44.5mm (1-3/4”) diameter brass bar stock.

**Headwork:** Diaphragm-type valve. Brass valve stem and bonnet with inert PTFE diaphragm.

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

**Inlet/Outlet:** 10mm OD polypropylene or PVDF tubes.

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

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**Ordering Information**

**Product Finish**

<table>
<thead>
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<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>WHT</td>
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<td>GRY</td>
<td>Gloss light gray powder coated finish</td>
</tr>
<tr>
<td>GRD</td>
<td>Gloss dark gray powder coated finish</td>
</tr>
<tr>
<td>STM</td>
<td>Starburst metallic powder coated finish</td>
</tr>
<tr>
<td>PCL</td>
<td>Polished chrome plated finish with clear epoxy coating</td>
</tr>
<tr>
<td>SCC</td>
<td>Satin chrome plated finish with clear epoxy coating</td>
</tr>
<tr>
<td>SNC</td>
<td>Satin nickel plated finish with clear epoxy coating</td>
</tr>
</tbody>
</table>

**Note:** Refer to “Product Finishes” catalog for complete information on finishes.
BT7753W Pure Water Valve, Polypropylene-Lined
BT7753W-PVDF Pure Water Valve, PVDF-Lined

Application: Panel mounted valve for distilled, deionised or reverse osmosis water. All components in contact with pure water are inert polypropylene or polyvinylidene fluoride (PVDF), as ordered. Pure water comes in contact only with inert plastic.

Mounting: Valve is installed on front face of cupboard and secured with screws. Provide a 46mm (1-13/16”) diameter hole. Maximum panel thickness is 25mm (1”). All working components of valve are accessible from front exterior face of cupboard.

Valve Body: 44.5mm (1-3/4”) diameter brass bar stock.

Headwork: Diaphragm-type valve. Brass valve stem and bonnet with inert PTFE diaphragm.

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

Inlet/Outlet: 10mm OD polypropylene or PVDF tubes.

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

Ordering Information

Product Finish

<table>
<thead>
<tr>
<th>Code</th>
<th>Finish</th>
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<td>WHT</td>
<td>Gloss white powder coated finish</td>
</tr>
<tr>
<td>PCL</td>
<td>Polished chrome plated finish with clear epoxy coating</td>
</tr>
<tr>
<td>GRY</td>
<td>Gloss light gray powder coated finish</td>
</tr>
<tr>
<td>SCC</td>
<td>Satin chrome plated finish with clear epoxy coating</td>
</tr>
<tr>
<td>GRD</td>
<td>Gloss dark gray powder coated finish</td>
</tr>
<tr>
<td>SNC</td>
<td>Satin nickel plated finish with clear epoxy coating</td>
</tr>
<tr>
<td>STM</td>
<td>Starburst metallic powder coated finish</td>
</tr>
</tbody>
</table>

Note: Refer to “Product Finishes” catalog for complete information on finishes.

Media
Fume Cupboard Fittings - Plastic-Lined

**BT7051** Outlet Fitting for Pure Water, Polypropylene-Lined

**BT7051PVDF** Outlet Fitting for Pure Water, PVDF-Lined

**Application:** Panel mounted fume cupboard outlet fitting for pure water. Fitting has an exterior brass casing. All components in contact with pure water are either inert polypropylene or polyvinylidene fluoride (PVDF), as ordered. 89mm (3-1/2”) from panel to outlet.

**Body:** Brass bar stock. Body is available in a choice of finishes (see below).

**Escutcheon:** Molded nylon three-piece escutcheon color coded and marked per EN 13792.

**Inlet:** Furnished with G1/2 mounting shank, locknut and washer. Pure water inlet is 10mm OD plastic tube.

**Outlet:** Removable polypropylene or PVDF serrated hose end.

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

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**Ordering Information**

**Product Finish**

<table>
<thead>
<tr>
<th>Media</th>
<th>WHT</th>
<th>Gloss white powder coated finish</th>
<th>PCL</th>
<th>Polished chrome plated finish with clear epoxy coating</th>
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<tbody>
<tr>
<td></td>
<td>GRY</td>
<td>Gloss light gray powder coated finish</td>
<td>SCC</td>
<td>Satin chrome plated finish with clear epoxy coating</td>
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<tr>
<td></td>
<td>GRD</td>
<td>Gloss dark gray powder coated finish</td>
<td>SNC</td>
<td>Satin nickel plated finish with clear epoxy coating</td>
</tr>
<tr>
<td></td>
<td>STM</td>
<td>Starburst metallic powder coated finish</td>
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</tbody>
</table>

*Note: Refer to “Product Finishes” catalog for complete information on finishes.*

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**Media**

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44  wsflab.com
Application: Panel mounted fume cupboard outlet fitting for pure water. Fitting has an exterior brass casing. All components in contact with pure water are either inert polypropylene or polyvinylidene fluoride (PVDF), as ordered. 150mm (6") from panel to outlet.

Body: Brass bar stock. Body is available in a choice of finishes (see below).

Escutcheon: Molded nylon three-piece escutcheon color coded and marked per EN 13792.

Inlet: Furnished with G1/2 mounting shank, locknut and washer. Pure water inlet is 10mm OD plastic tube.

Outlet: Removable polypropylene or PVDF serrated hose end.

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

Ordering Information

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<th>Media</th>
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<tbody>
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<td>WHT Gloss white powder coated finish</td>
<td>PCL Polished chrome plated finish with clear epoxy coating</td>
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<tr>
<td>BT7052PVDF Outlet Fitting for Pure Water, PVDF-Lined</td>
<td>GRY Gloss light gray powder coated finish</td>
<td>SCC Satin chrome plated finish with clear epoxy coating</td>
</tr>
<tr>
<td></td>
<td>GRD Gloss dark gray powder coated finish</td>
<td>SNC Satin nickel plated finish with clear epoxy coating</td>
</tr>
<tr>
<td></td>
<td>STM Starburst metallic powder coated finish</td>
<td></td>
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</tbody>
</table>

Note: Refer to “Product Finishes” catalog for complete information on finishes.
Gooseneck Fitting for Pure Water, Polypropylene-Lined

BT7071PVDF Gooseneck Fitting for Pure Water, PVDF-Lined

Application: Panel mounted fume cupboard gooseneck fitting for pure water. Fitting has an exterior brass casing. All components in contact with pure water are either inert polypropylene or polyvinylidene fluoride (PVDF), as ordered.

Body: Brass bar stock.

Gooseneck: 150mm (6") rigid brass gooseneck.

Escutcheon: Three-piece escutcheon color coded and marked per EN 13792.

Inlet: Furnished with G1/2 mounting shank, locknut and washer. Pure water inlet is 10mm OD plastic tube.

Outlet: Polypropylene or PVDF serrated hose end.

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

Ordering Information

Product Finish

- WHT  Gloss white powder coated finish
- GRY  Gloss light gray powder coated finish
- GRD  Gloss dark gray powder coated finish
- STM  Starburst metallic powder coated finish
- PCL  Polished chrome plated finish with clear epoxy coating
- SCC  Satin chrome plated finish with clear epoxy coating
- SNC  Satin nickel plated finish with clear epoxy coating

Note: Refer to “Product Finishes” catalog for complete information on finishes.
Fume Cupboard Fittings - Plastic-Lined

**BT7081** Gooseneck Fitting for Pure Water, Polypropylene-Lined

**BT7081PVDF** Gooseneck Fitting for Pure Water, PVDF-Lined

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**Application:** Bench or countertop mounted fume cupboard gooseneck fitting for pure water. Fitting has an exterior brass casing. All components in contact with pure water are either inert polypropylene or polyvinylidene fluoride (PVDF), as ordered.

**Body:** Brass bar stock.

**Gooseneck:** 150mm (6") rigid brass gooseneck.

**Escutcheon:** Three-piece escutcheon color coded and marked per EN 13792.

**Inlet:** Furnished with G1/2 mounting shank, locknut and washer. Pure water inlet is 10mm OD plastic tube.

**Outlet:** Polypropylene or PVDF serrated hose end.

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

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**Ordering Information**

**Product Finish**

- **WHT** Gloss white powder coated finish
- **PCL** Polished chrome plated finish with clear epoxy coating
- **GRY** Gloss light gray powder coated finish
- **SCC** Satin chrome plated finish with clear epoxy coating
- **GRD** Gloss dark gray powder coated finish
- **SNC** Satin nickel plated finish with clear epoxy coating
- **STM** Starburst metallic powder coated finish

**Note:** Refer to “Product Finishes” catalog for complete information on finishes.

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**Media**


Flexible Hose Connectors
Selection Guidelines

WaterSaver offers the industry’s widest selection of flexible hose connectors for use in fume cupboards. Connectors are available in a wide variety of materials, lengths and end connections to meet every application and requirement. Some connectors are also available in a selection of colors to designate the media being delivered.

When selecting, specifying and ordering a flexible hose connector, we recommend taking the following considerations into account:

Media
Determine the system media and the environment to which the connector will be exposed. These considerations are important factors when determining the materials of construction best suited to the application. Consider the material of both the hose and the end connections.

Pressure
Identify the minimum and maximum system pressures or vacuum to which the hose connector will be exposed. Take into consideration any cycles or spikes that may occur. Observe the maximum working pressures specified for each type of hose connector.

Temperature
Identify the minimum and maximum temperatures to which the hose connector will be exposed. As the temperature to which an assembly is exposed increases (both internally and externally), the strength of the hose assembly decreases. Please note that all WaterSaver flexible hose connectors are designed for interior applications only.

Movement
Determine the movement to which the hose connector may be subject. Note that flexible hose connectors for fume cupboard applications are designed strictly for static applications in which, after installation, the hose is stationary and does not move in any plane. Excessive movement of a flexible hose connector can cause fatigue in the braided metal cover or reinforcement and lead to fraying and/or failure.

Length
Determine the required length of the hose assembly, taking into consideration system configuration (the route the hose will take), pressurization, thermal expansion and other factors. Use of elbows and other fittings may help accommodate tight turns and space constraints. Refer to local codes for possible maximum limits on the length of a hose connector. Installation of a hose connector that lacks sufficient length to accommodate these factors may reduce hose life.

End Connections
Determine the type and material of end connection most appropriate for the application. WaterSaver offers a wide variety of end connections in both metric and Imperial sizes and a choice of materials. Refer to local codes to determine what type of connections may be required for particular media and applications.

Cleaning
Identify whether the hose connector will require special cleaning, such as cleaning for high purity gases and oxygen.

Permeation/Effusion
Polyvinylchloride (PVC), cross-linked polyethylene (PEX), polytetrafluoroethylene (PTFE) and synthetic rubber are permeable materials. It is therefore possible for gases, vapors and liquids to migrate through hoses manufactured from these materials. The rate of permeation is affected by many application-specific factors, including system media and pressure. Please consult with a WaterSaver sales representative for additional information.

Corrosive Environments
Determine if the hose connector will be exposed to a corrosive environment. Exposure to a corrosive environment can damage the hose connector and lead to premature failure.

Local Codes and Standards
Always refer to local codes and standards for the types of flexible hose connectors that are acceptable for a particular application and system.
**Flexible Hose Connectors**

**Materials**

### HP2 Flexible Hose Connector, Reinforced PVC

- PVC inner core
- Polyester braid
- Color coded PVC cover
- For water, pure water, inert gases and vacuum
- 20 bar (290 PSI) working pressure

**Application:** Flexible hose connector for fume cupboard valves and outlets. Reinforced PVC construction.

**Media:** For use with water, pure water, inert gases and vacuum.

**Construction:** Inner core is smooth polyvinyl chloride (PVC). Braided polyester reinforcement and PVC outer cover. Available in white or color coded per service.

**End Connections:** End fittings are brass or stainless steel, as ordered. Fittings are permanently attached to hose with crimped connection. Fittings swivel for ease of installation and to prevent binding.

**Dimensions:** Inside diameter is 6.3mm (1/4"), outside diameter is 12.7mm (1/2") and wall thickness is 3.2mm (1/8"). Length as ordered.

**Pressure Rating:** 82 bar (1,200 PSI) burst pressure. Maximum working pressure is 20 bar (290 PSI).

**Temperature Rating:** Maximum working temperature is 80°C (175°F).

**Minimum Bend Radius:** 50mm (2").

**Quality Assurance:** Hose connector is fully assembled and factory tested prior to shipment.

### HRN Flexible Hose Connector, Reinforced Rubber

- NBR (nitrile) inner core
- Polyester braid
- SBR cover
- For burning gases
- 10 bar (150 PSI) working pressure

**Application:** Flexible hose connector for fume cupboard valves and outlets. Reinforced synthetic rubber construction.

**Media:** For use with burning gases, including natural gas, propane and bottled gas.

**Construction:** Inner core is smooth NBR (nitrile/BUNA-N). Braided polyester reinforcement and orange SBR outer cover.

**End Connections:** End fittings are brass or stainless steel, as ordered. Fittings are permanently attached to hose with crimped connection. Fittings swivel for ease of installation and to prevent binding.

**Dimensions:** Inside diameter is 6.0mm (.236"), outside diameter is 13.3mm (.524") and wall thickness is 3.5mm (137"). Length as ordered.

**Pressure Rating:** 60 bar (900 PSI) burst pressure. Maximum working pressure is 10 bar (150 PSI).

**Temperature Rating:** Maximum working temperature is 80°C (175°F).

**Minimum Bend Radius:** 75mm (2.95").

**Quality Assurance:** Hose connector is fully assembled and factory tested prior to shipment.
HSP Flexible Hose Connector, Soft PEX with Stainless Steel Braid

- Soft PEX inner core
- Stainless steel braid
- For water, pure water, inert gases and vacuum
- 20 bar (290 PSI) working pressure

**Application:** Flexible hose connector for fume cupboard valves and outlets. Cross-linked polyethylene (PEX) construction with stainless steel braid.

**Media:** For use with water, pure water, inert gases and vacuum.

**Construction:** Inner core is smooth cross-linked flexible polyethylene (PEX). Outer cover is Type 304 braided stainless steel.

**End Connections:** End fittings are brass or stainless steel, as ordered. Fittings are permanently attached to hose with crimped connection. Fittings swivel for ease of installation and to prevent binding.

**Dimensions:** Inside diameter is 8.0mm (5/16”), outside diameter is 11.3mm (.445”) and wall thickness is 1.6mm (1/16”). Length as ordered.

**Pressure Rating:** 100 bar (1,470 PSI) burst pressure. Maximum working pressure is 20 bar (290 PSI).

**Temperature Rating:** Maximum working temperature is 85°C (185°F).

**Minimum Bend Radius:** 120mm (4 3/4”).

**Quality Assurance:** Hose connector is fully assembled and factory tested prior to shipment.

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HSS Flexible Hose Connector, Welded Stainless Steel with Stainless Steel Braid

- Welded stainless steel inner core
- Stainless steel braid
- For burning gases, helium, hydrogen and high purity gases
- 132 bar (1,900 PSI) working pressure

**Application:** Flexible hose connector for fume cupboard valves and outlets. Corrugated stainless steel construction with stainless steel braid.

**Media:** For use with burning gases, helium, hydrogen and high purity gases.

**Construction:** Inner core is welded corrugated Type 316 stainless steel. Outer cover is Type 304 braided stainless steel.

**End Connections:** End fittings are brass or stainless steel, as ordered. Fittings are permanently attached to hose with crimped connection. Fittings swivel for ease of installation and to prevent binding.

**Dimensions:** Inside diameter is 8.2mm (.323”) and outside diameter is 13.6mm (.535). Length as ordered.

**Pressure Rating:** 528 bar (7,658 PSI) burst pressure. Maximum working pressure is 132 bar (1,900 PSI).

**Temperature Rating:** Maximum working temperature is 100°C (212°F).

**Minimum Bend Radius:** 124mm (4-7/8”).

**Quality Assurance:** Hose connector is fully assembled and factory tested prior to shipment.
**HST Flexible Hose Connector, PTFE with Stainless Steel Braid**

- PTFE inner core
- Stainless steel braid
- For water, pure water, inert gases, pure gases and vacuum
- 20 bar (290 PSI) working pressure

**Application:** Flexible hose connector for fume cupboard valves and outlets. Polytetrafluoroethylene (PTFE) construction with stainless steel braid.

**Media:** For use with water, pure water, inert gases and vacuum.

**Construction:** Inner core is smooth PTFE. Outer cover is Type 304 braided stainless steel.

**End Connections:** End fittings are brass or stainless steel, as ordered. Fittings are permanently attached to hose with crimped connection. Fittings swivel for ease of installation and to prevent binding.

**Dimensions:** Inside diameter is 8.0mm (5/16"), outside diameter is 11.3mm (.445") and wall thickness is 1.6mm (1/16"). Length as ordered.

**Pressure Rating:** 100 bar (1,470 PSI) burst pressure. Maximum working pressure is 20 bar (290 PSI).

**Temperature Rating:** Maximum working temperature is 100°C (212°F).

**Minimum Bend Radius:** 131mm (5").

**Quality Assurance:** Hose connector is fully assembled and factory tested prior to shipment.
Flexible Hose Connectors
End Connections

WaterSaver flexible hose connectors are available with a wide array of end connections to fit every requirement:

- End fittings may be supplied in brass, chrome plated brass or stainless steel depending on the application and media.
- Connections are available in both metric and Imperial dimensions, including both G and NPT threads.
- All fittings swivel freely for ease of installation and to prevent the hose from twisting or binding.

Select the connection from the list below and use the code number when configuring the hose connector.

End Connections – Metric Size

53 G1/4 Female

54 G1/4 Male

55 G1/4 Male at 45° Angle

56 G1/4 Male at 90° Angle

60 G1/2 Female

61 G1/2 Male

62 G1/2 Female at 90° Angle

81 10mm OD Tube End

82 12mm OD Tube End

83 15mm OD Tube End

57 G3/8 Female

58 G3/8 Male
End Connections – Imperial Size

03 1/4" NPT Female

04 1/4" NPT Male

05 1/4" NPT Male at 45° Angle

06 1/4" NPT Male at 90° Angle

07 3/8" NPT Female

08 3/8" NPT Male

10 1/2" NPT Female

11 1/2" NPT Male

12 1/2" NPT Female at 90° Angle

31 3/8" OD Tube End

32 1/2" OD Tube End

33 5/8" OD Tube End
Flexible hose connectors are ordered by creating a 15-digit model number. By following five simple steps, the user can create the model number for the hose that is required. The model number is structured as follows:

To order a flexible hose connector, please follow the five steps listed below:

Step 1 – Choose the hose material.
Step 2 – Choose the hose length and measurement units.
Step 3 – Choose the end fitting style and material.
Step 4 – Choose the hose color (PVC hoses).
Step 5 – Choose special options (as required).
Flexible Hose Connectors
Ordering Guide

Step 1 – Choose the Material
First, choose the hose material from the table below. The first three boxes of the item number are reserved for the hose material. In the example below, selected is a hose with a PTFE inner core and a braided stainless steel cover.

<table>
<thead>
<tr>
<th>Material</th>
<th>Code</th>
<th>Inner Core</th>
<th>Reinforcement</th>
<th>Outer Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>HP2 PVC</td>
<td>PVC</td>
<td>Polyester braid</td>
<td>PVC (color coded)</td>
<td></td>
</tr>
<tr>
<td>HRN NBR (Nitrile/BUNA-N)</td>
<td>NBR</td>
<td>Polyester braid</td>
<td>SBR</td>
<td></td>
</tr>
<tr>
<td>HSP Soft PEX</td>
<td>Soft PEX</td>
<td>———</td>
<td>Braided stainless steel</td>
<td></td>
</tr>
<tr>
<td>HSS Welded stainless steel</td>
<td>Welded stainless steel</td>
<td>———</td>
<td>Braided stainless steel</td>
<td></td>
</tr>
<tr>
<td>HST PTFE</td>
<td>PTFE</td>
<td>———</td>
<td>Braided stainless steel</td>
<td></td>
</tr>
</tbody>
</table>

Step 1 Example

H S T

Step 2 – Choose the Length and Measurement Units
Second, choose the hose length and measurement units (Metric or Imperial) from the three tables below. The first four boxes are reserved for the length and the fifth box is for the measurement units. In the example below, selected is a 1000mm hose. Note that length is measured end-to-end, including end fittings (see below).

Metric Units

<table>
<thead>
<tr>
<th>Code</th>
<th>Overall Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>0500</td>
<td>500mm</td>
</tr>
<tr>
<td>0700</td>
<td>700mm</td>
</tr>
<tr>
<td>1000</td>
<td>1000mm</td>
</tr>
<tr>
<td>1200</td>
<td>1200mm</td>
</tr>
<tr>
<td>1500</td>
<td>1500mm</td>
</tr>
<tr>
<td>2000</td>
<td>2000mm</td>
</tr>
<tr>
<td>2500</td>
<td>2500mm</td>
</tr>
<tr>
<td>3000</td>
<td>3000mm</td>
</tr>
</tbody>
</table>

Imperial Units

<table>
<thead>
<tr>
<th>Code</th>
<th>Overall Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>0012</td>
<td>12”</td>
</tr>
<tr>
<td>0018</td>
<td>18”</td>
</tr>
<tr>
<td>0024</td>
<td>24”</td>
</tr>
<tr>
<td>0030</td>
<td>30”</td>
</tr>
<tr>
<td>0036</td>
<td>36”</td>
</tr>
<tr>
<td>0048</td>
<td>48”</td>
</tr>
<tr>
<td>0060</td>
<td>60”</td>
</tr>
<tr>
<td>0072</td>
<td>72”</td>
</tr>
<tr>
<td>0084</td>
<td>84”</td>
</tr>
<tr>
<td>0096</td>
<td>96”</td>
</tr>
</tbody>
</table>

Units

<table>
<thead>
<tr>
<th>Code</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>M</td>
<td>Metric</td>
</tr>
<tr>
<td>S</td>
<td>Imperial</td>
</tr>
</tbody>
</table>

Examples of measuring overall length:

Step 2 Example

H S T 1 0 0 0 M
Step 3 – Choose the End Fitting Style and Material

Third, choose the inlet and outlet end fittings from the three tables below. For each end fitting, you will need to select the style of the fitting (e.g. threaded, tubular, straight, angle), the desired thread and the fitting material. The first two boxes are reserved for the inlet end. The next two boxes are reserved for the outlet end. The fifth box is reserved for the material and finish. In the example below, selected is a hose with a 10mm OD tube inlet and G1/4 male outlet in stainless steel.

**End Connections – Metric (M)**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>53</td>
<td>G1/4 female</td>
</tr>
<tr>
<td>54</td>
<td>G1/4 male</td>
</tr>
<tr>
<td>55</td>
<td>G1/4 male at 45° angle</td>
</tr>
<tr>
<td>56</td>
<td>G1/4 male at 90° angle</td>
</tr>
<tr>
<td>57</td>
<td>G3/8 female</td>
</tr>
<tr>
<td>58</td>
<td>G3/8 male</td>
</tr>
<tr>
<td>60</td>
<td>G1/2 female</td>
</tr>
<tr>
<td>61</td>
<td>G1/2 male</td>
</tr>
<tr>
<td>62</td>
<td>G1/2 female at 90° angle</td>
</tr>
<tr>
<td>81</td>
<td>10mm OD tube end</td>
</tr>
<tr>
<td>82</td>
<td>12mm OD tube end</td>
</tr>
<tr>
<td>83</td>
<td>15mm OD tube end</td>
</tr>
</tbody>
</table>

**End Connections – Imperial (S)**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>03</td>
<td>1/4&quot; NPT female</td>
</tr>
<tr>
<td>04</td>
<td>1/4&quot; NPT male</td>
</tr>
<tr>
<td>05</td>
<td>1/4&quot; NPT male at 45° angle</td>
</tr>
<tr>
<td>06</td>
<td>1/4&quot; NPT male at 90° angle</td>
</tr>
<tr>
<td>07</td>
<td>3/8&quot; NPT female</td>
</tr>
<tr>
<td>08</td>
<td>3/8&quot; NPT male</td>
</tr>
<tr>
<td>10</td>
<td>1/2&quot; NPT female</td>
</tr>
<tr>
<td>11</td>
<td>1/2&quot; NPT male</td>
</tr>
<tr>
<td>12</td>
<td>1/2&quot; NPT female at 90° angle</td>
</tr>
<tr>
<td>31</td>
<td>3/8&quot; OD tube end</td>
</tr>
<tr>
<td>32</td>
<td>1/2&quot; OD tube end</td>
</tr>
<tr>
<td>33</td>
<td>5/8&quot; OD tube end</td>
</tr>
</tbody>
</table>

**End Fitting Material and Finish**

<table>
<thead>
<tr>
<th>Code</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Brass</td>
</tr>
<tr>
<td>1</td>
<td>Chrome plated brass</td>
</tr>
<tr>
<td>2</td>
<td>Stainless steel</td>
</tr>
</tbody>
</table>

**Step 3 Example**

H S T . 1 0 0 0 M . 8 1 5 4 2 .

Step 4 – Choose the Hose Color

Fourth, for HP2 reinforced PVC hoses, choose the color of the hose from the table below. For all other hoses, insert “A”.

**Colors**

<table>
<thead>
<tr>
<th>Code</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>N/A</td>
</tr>
<tr>
<td>B</td>
<td>Black</td>
</tr>
<tr>
<td>C</td>
<td>Brown</td>
</tr>
<tr>
<td>D</td>
<td>Clear</td>
</tr>
<tr>
<td>E</td>
<td>Gray</td>
</tr>
<tr>
<td>F</td>
<td>Orange</td>
</tr>
<tr>
<td>G</td>
<td>White</td>
</tr>
<tr>
<td>H</td>
<td>Yellow</td>
</tr>
</tbody>
</table>

**Step 4 Example**

H S T . 1 0 0 0 M . 8 1 5 4 2 . A
Step 5 – Choose Special Options
Fifth, choose any special options that may be required for the hose connector. In the example below, selected is cleaning for high purity gas service.

<table>
<thead>
<tr>
<th>Code</th>
<th>Special Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>None</td>
</tr>
<tr>
<td>1</td>
<td>Cleaning for pure gas</td>
</tr>
</tbody>
</table>

Step 5 Example

```
H S T . 1 0 0 0 M . 8 1 5 4 2 . A . 1
```

The complete model number for the sample hose is as follows:

Flexible Hose Connector, PTFE Core with Stainless Steel Braid

<table>
<thead>
<tr>
<th>Metric Units</th>
<th>G1/4 Male Outlet Connection</th>
<th>Hose Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000mm Length</td>
<td>10mm Tube Inlet Connection</td>
<td>Cleaned for Pure Gas</td>
</tr>
<tr>
<td>Stainless Steel Fitting Material</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Observe the following guidelines when installing and maintaining flexible hose connectors:

**Adequate Hose Length**
Provide adequate hose length, taking into account hose movement due to pressure and temperature changes. Installing a hose that does not have sufficient length will reduce hose life.

**Twisting During Installation**
Do not twist or torque the hose during installation. All WaterSaver end connections swivel to prevent twisting from occurring.

**Minimum Bend Radius**
Observe the minimum bend radius limitation for the hose. Installation with a smaller bend radius can kink the hose, restrict flow and/or reduce hose life.

**Maintain Bend Radius**
Maintain the minimum bend radius throughout the installation.

**Bend/Move in One Plane**
Bend the hose connector in one plane only. If a compound bend is required, use multiple hoses with fittings. Do not allow the hose to move in more than one plane. The hose should move only in the plane of the bend.
Bending at End Connection
Do not bend the hose close to the end connection. Allow straight length of hose before bend begins. Bending close to end fitting can lead to hose rupture or leakage.

Hose Strain
Use elbows, adaptors or other strain relief devices where required to relieve hose strain.

HSS Hose Movement
Corrugated stainless steel hose (HSS) connectors that are installed in-line with the longitudinal axis of the piping should not be subjected to axial movement. Movement must be accommodated in a lateral plane.

Abrasion
Do not expose the hose connector to external rubbing or abrasion. This can weaken the reinforcement and lead to hose rupture or leakage.

Regular Inspection and Maintenance
Every flexible hose connector is subject to wear and deterioration due to age, pressure, thermal cycling, shock, excessive movement, exterior damage and other factors. It is therefore imperative that flexible hose connectors be inspected periodically for indications of wear and potential failure. Facility maintenance personnel should establish a documented inspection program for all flexible hose connectors in the facility. Inspection results should be documented and used to develop a preventive maintenance and replacement program.
Fume Cupboard Fittings - Custom Kits

WaterSaver offers our customers customized kits of valves, outlets and flexible hose connectors. Rather than having to order components individually, each kit includes everything required for a complete installation. Each kit includes:

(1) flexible hose connector for the media supply (from the inlet connection to the valve),
(1) fume cupboard valve,
(1) flexible hose connector from the valve to the outlet and
(1) outlet fitting

All O-rings, seals and other components required for the installation are pre-installed, so there are no components to get lost or misplaced. Installation time is reduced to the absolute minimum.

The kits shown here represent typical applications. However, we prefer to work with the fume cupboard manufacturer or contractor to develop a kit and assign a kit number that is specific to the requirements of the customer. Please contact a WaterSaver sales representative for further information.

**FK-XXX-001**
Fume Cupboard Kit for Compressed Air

**Inlet Hose:** HST.1500M.54540.A.0 1500mm braided stainless steel hose with PTFE core, G1/4 male inlet and outlet, brass end fittings

**Valve:** BT749N Needle valve (CA – Compressed Air)

**Outlet Hose:** HST.1000M.54560.A.0 1000mm braided stainless steel hose with PTFE core, G1/4 male inlet and outlet, brass end fittings

**Outlet Fitting:** BT022SI-G2F 45° angle outlet fitting with side inlet (CA – Compressed Air)

**FK-XXX-002**
Fume Cupboard Kit for Burning Gas

**Inlet Hose:** HRN.1500M.81540.A.0 1500mm reinforced nitrile hose, 10mm OD tube end inlet, G1/4 male outlet, brass end fittings

**Valve:** BT749GI Push/turn gas valve (G – Burning Gas)

**Outlet Hose:** HRN.1000M.54560.A.0 1000mm reinforced nitrile hose, G1/4 male inlet and outlet, brass end fittings

**Outlet Fitting:** BT050SI-G2F 90° angle outlet fitting with side inlet (G – Burning Gas)
FK-XXX-003
Fume Cupboard Kit for Water

Inlet Hose: HSP.1500M.60540.A.0 1500mm braided stainless steel hose with PEX core, G1/2 female inlet, G1/4 male outlet, brass end fittings

Valve: BT749W Water valve (WPC – Potable Water, Cold)

Outlet Hose: HSP1200M.54620.A.0 1200mm braided stainless steel hose with PEX core, G1/4 male inlet, 90° angle G1/2 female outlet, brass end fittings

Outlet Fitting: BT081 Bench mounted gooseneck fitting (WPC – Potable Water, Cold)

FK-XXX-004
Fume Cupboard Kit for Oxygen

Inlet Hose: HSS.1500M.54542.A.1 1500mm braided stainless steel hose with stainless steel core, G1/4 male inlet and outlet, stainless steel end fittings, cleaned for high purity gas service

Valve: BT749FCN Fine control needle valve (O2 – Oxygen)

Outlet Hose: HSS.1000M.5462.A.1 1000mm braided stainless steel hose with stainless steel core, G1/4 male inlet, G1/2 female outlet, stainless steel end fittings, cleaned for high purity gas service

Outlet Fitting: BT022 45° angle outlet fitting (O2 – Oxygen)
WaterSaver Faucet Co.
701 W Erie Street
Chicago, IL 60654
312 666 5500  TELEPHONE
312 666 5501  FACSIMILE

WaterSaver Faucet de Mexico SA de CV
Calle Octava #51400
Parque Industrial Monterrey
Apodaca, NL 66603
52 81 1090 0000  TELEPHONE

WaterSaver LabTaps Ltd
Unit 11
High Carr Network Centre
Newcastle-Under-Lyme
Staffordshire, England, ST5 7XE
44 01782 576910  TELEPHONE
44 01782 576911  FACSIMILE

WaterSaver Sales Asia Pte Ltd
30 Petain Road
208099 Singapore
65 6883 2105  TELEPHONE
65 6883 2509  FACSIMILE

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49 6258 9495 0  TELEPHONE
49 6258 9495 10  FAX