

BT3180-231WSA Needle Valve, Overhead Mounted



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

Mounting: Turret base for overhead mounting with locator pins.

Valve Body: Angle pattern forged brass.

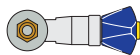
Headwork: Replaceable self-centering stainless steel needle and replaceable stainless steel seat.

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

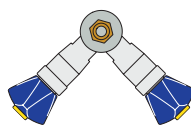
Inlet: Furnished with G1/2 mounting shank, locknut and washer. G1/2 male inlet.

Outlet: G3/8 female outlet. Furnished with removable straight or angle serrated hose end, quick connect fitting or compression fitting, as ordered (see below).

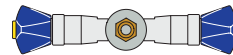
Quality Assurance: Fitting is fully assembled and factory tested prior to shipment. 17 bar (250 PSI) nitrogen test pressure and 10 bar (150 PSI) maximum working pressure.



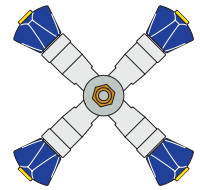
Single Valve
BT3180-231WSA



Two Valves at 90°
BT3180-232AWSA



Two Valves at 180°
BT3180-232SWSA



Four Valves
BT3180-234WSA

Ordering Information

Valve Configurations

Outlet Fitting Options	Single Valve	Two Valves at 90°	Two Valves at 180°	Four Valves
Serrated hose end	<input type="checkbox"/> BT3180-231WSA	<input type="checkbox"/> BT3180-232AWSA	<input type="checkbox"/> BT3180-232SWSA	<input type="checkbox"/> BT3180-234WSA
Angle serrated hose end	<input type="checkbox"/> BT3182-231WSA	<input type="checkbox"/> BT3182-232AWSA	<input type="checkbox"/> BT3182-232SWSA	<input type="checkbox"/> BT3182-234WSA
G3/8 quick connect fitting	<input type="checkbox"/> BT3183-231WSA	<input type="checkbox"/> BT3183-232AWSA	<input type="checkbox"/> BT3183-232SWSA	<input type="checkbox"/> BT3183-234WSA
10mm OD compression fitting	<input type="checkbox"/> BT3184-231WSA	<input type="checkbox"/> BT3184-232AWSA	<input type="checkbox"/> BT3184-232SWSA	<input type="checkbox"/> BT3184-234WSA

Note: If fitting is to be cleaned for oxygen and pure gas service, add suffix "CLN" to model number.

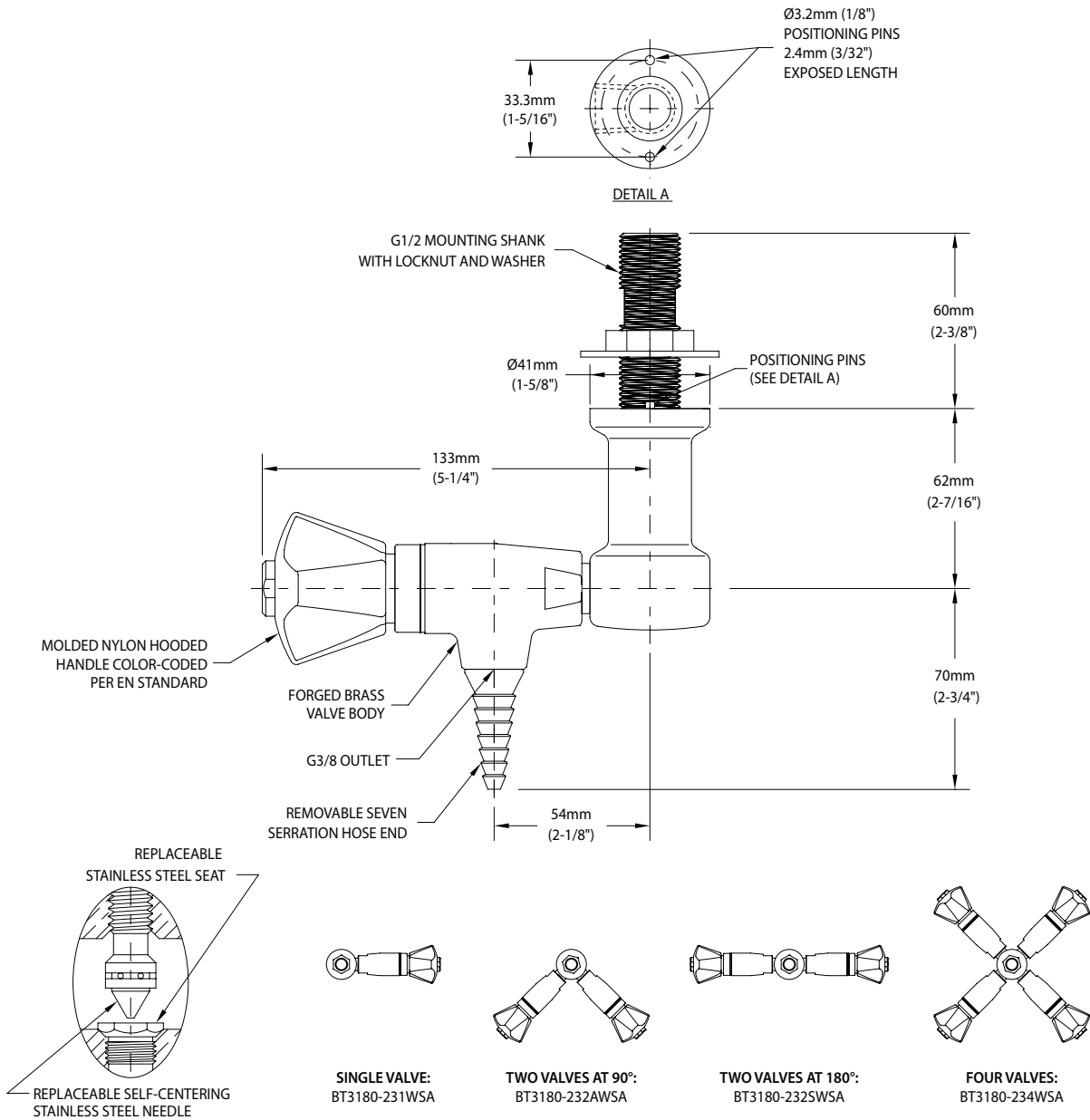
Product Finish

<input type="checkbox"/> WHT	Gloss white powder coated finish	<input type="checkbox"/> PCL	Polished chrome plated finish with clear epoxy coating
<input type="checkbox"/> GRY	Gloss light gray powder coated finish	<input type="checkbox"/> SCC	Satin chrome plated finish with clear epoxy coating
<input type="checkbox"/> GRD	Gloss dark gray powder coated finish	<input type="checkbox"/> SNC	Satin nickel plated finish with clear epoxy coating
<input type="checkbox"/> STM	Starburst metallic powder coated finish		

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

Media

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NOTES:

1. FITTING IS FACTORY ASSEMBLED AND TESTED AT 17 BAR (250 PSI). MAXIMUM WORKING PRESSURE IS 10 BAR (150 PSI).
2. IF CLEANING FOR OXYGEN AND HIGH PURITY GASES IS REQUIRED, ADD SUFFIX "CLN".

Rev. 050318

THIS SPACE FOR ARCHITECT/ENGINEER APPROVAL

Due to continuing product improvement, the information contained in this document is subject to change without notice. All dimensions are ± 6mm (1/4"). Rev. 052218