

SBP



LOW COST CONNECTORS FOR EXPANDED TUBES

Pressure to 650 PSI (44 BAR)
75 Micron Vacuum
Leak Rate Less than 1×10^{-7} cc/sec
Helium @ 150 PSI (10 BAR)

Designed for High Reliability 1/4" to 7/8"

No disassembly required for seal replacement. No adjustments necessary, keeping maintenance costs to a minimum. Dual O-ring seal design provides greater reliability. Easy push-on/pull-off one motion operation. Hardened stainless steel balls provide dependable tube retention.

Particularly Effective for Ultra Sensitive Testing

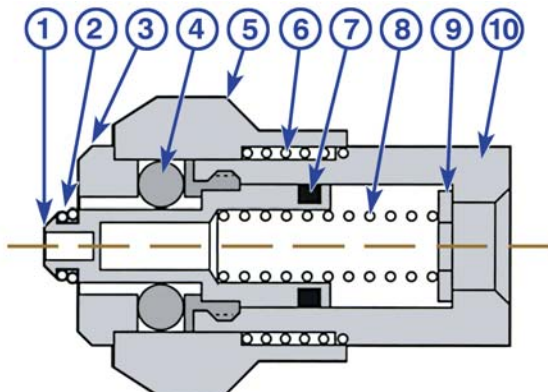
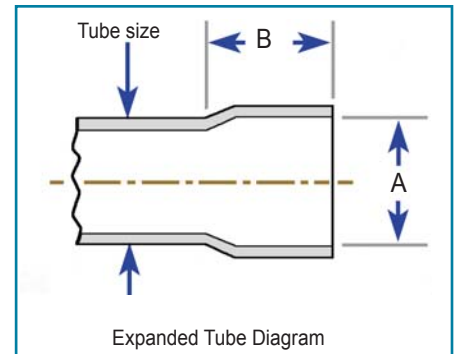
Halogen detection

Pressure decay

Helium mass spectrometry

Part Number*	Tube Size	Min. A	Max. A	Min. B	Max. B	Flow Dia.	Inlet
SBP SERIES							
SBP1702-57	1/4"	0.250"	0.260"	0.315"	0.565"	0.100"	1/4" NPT
SBP1703-57	5/16"	0.313"	0.325"	0.315"	0.625"	0.100"	1/4" NPT
SBP1704-57	3/8"	0.375"	0.385"	0.315"	0.625"	0.100"	1/4" NPT
SBP1707-57	1/2"	0.500"	0.510"	0.380"	0.750"	0.187"	1/4" NPT
SBP1710-57	5/8"	0.625"	0.635"	0.500"	0.750"	0.250"	1/4" NPT
SBP1713-57	3/4"	0.750"	0.760"	0.625"	0.875"	0.375"	3/8" NPT
SBP1716-57	7/8"	0.875"	0.885"	0.750"	0.875"	0.422"	3/8" NPT

* When ordering, please specify part number, dimensions "A", "B" and tube O.D., test pressure, media and media temperature. Tolerance of bore "A" must be $\pm 0.003/-0.003$ maximum.



PART material

- ① PLUNGER anodized aluminum
- ② O-RINGS neoprene
- ③ HEAD anodized aluminum
- ④ BALL stainless steel
- ⑤ SLEEVE hardened and plated steel
- ⑥ SLEEVE SPRING stainless steel
- ⑦ QUAD RING neoprene
- ⑧ PLUNGER SPRING stainless steel
- ⑨ WASHER stainless steel
- ⑩ CYLINDER anodized aluminum

Simple to Operate

Turn off unit pressure –

- Retract sleeve ⑤.
- Insert plunger ① into device to be tested.
- Release sleeve ⑤.
- Push connector forward until sleeve snaps into place.

To remove unit –

- Exhaust test pressure.
- Push connector forward.
- Retract sleeve and remove connector from device being tested.