# "S" Series Needle/Gauge Valves



Autoclave Engineer's "S" Series needle and gauge valves have been engineered to provide reliable service and versatility in meeting specific process requirements. Valve heads are installed in hard and soft seat models of various body designs to accommodate the process control, flow measurement and mounting requirements of specific applications.

Standard valve assemblies with optional stems, seals and materials are available. Standard pressure rating is 6000 psi (414 bar) and 10,000 (690 bar) designed to 4 times safety factor.

# -Parker



#### **Quality:**

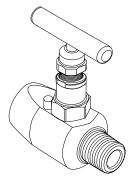
- ISO 9001
- 100% Pressure Tested
- Material Traceability
- . Manufactured to NACE, ASME, DIN, etc.

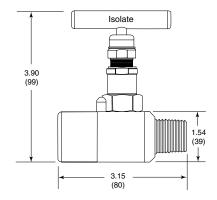
#### **Features:**

- Bar Stock Construction
- Non-rotating Ball Stem
- Hard or Soft Seat
- Anti-blowout stem
- Bubble Tight Back Seal
- PTFE or Graphite Seals
- Oxygen Service Option
- Color-coded Valve Designation
- Metering Stem Option

### **Isolation Valve MNPT In FNPT Out**

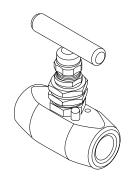
Model Number SI-M4F4TXXSXS

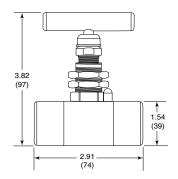






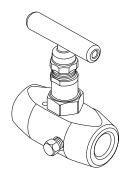
## **Female Panel Mounting Needle Valve |**Model Number SI-F4F4TXXSXS

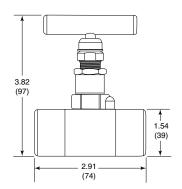






## FNPT Screwed Bleeding Gauge Valve | Model Number SI-F2F2TBMSXS

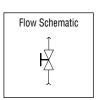


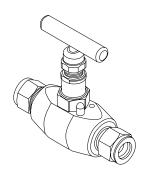


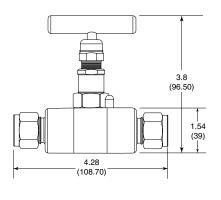


#### **Isolation Valve with Tube Connection Ends**

Model Number SI-T8T8TXXSXS

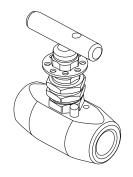


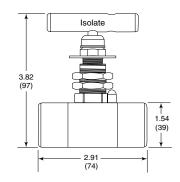






Model Number SI-F4F4TXXSXS-PMHL



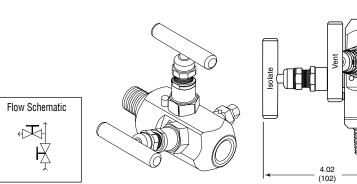


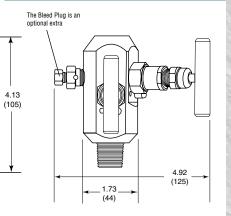


Flow Schematic

#### | MNPT Remote Mount 2-Way Manifold |

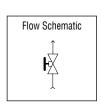
Model Number S2R-M4F4TVXSXS

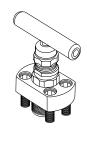


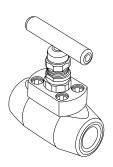


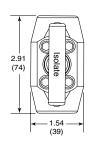
#### **FNPT Union Bonnet Isolation Valve**

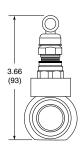
Model Number SIB-F4F4TXXSXS





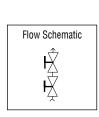


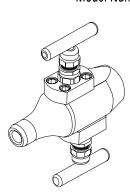


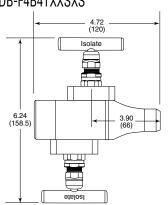


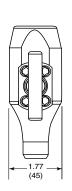
### **Double Isolating Union Bonnet Needle Valve**

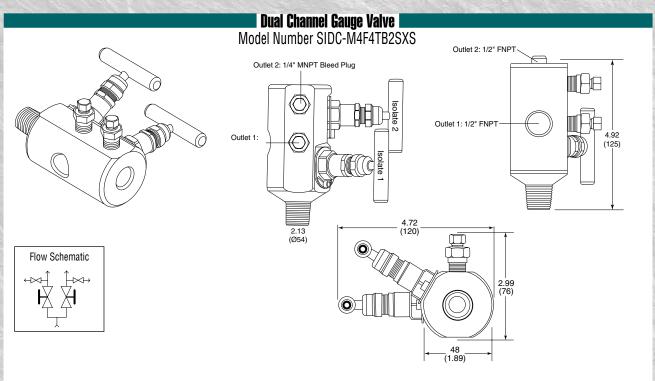
Model Number SIDB-F4B4TXXSXS

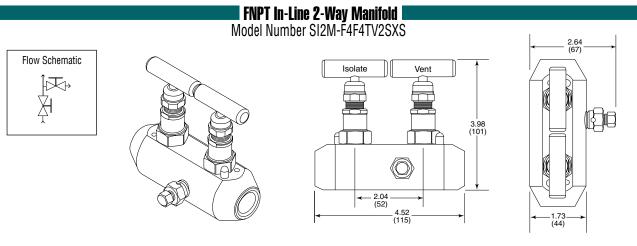


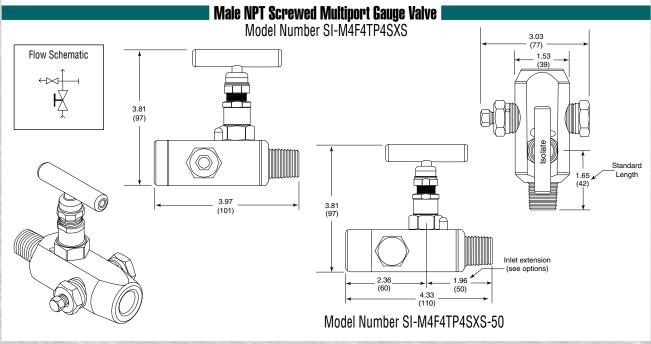




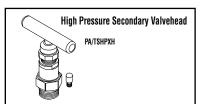


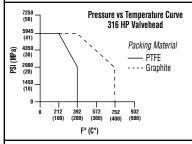






#### HP Secondary Valvehead (PA/SHPXH)





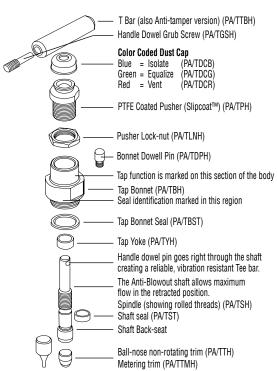
Notes: The stuffing box is self adjusting an requires no maintenance. In low pressure applications the pusher may need to be tightened by loosening the Locknut and turning the pusher clockwise one or two flats only, making sure that the valve is in the open positions.

Pressure Rating:

PTFE 6,000 psi (41.4 MPa) @ 212°F (100°C) PTFE 6,000 psi (41.4 MPa) @ 392°F (200°C)

The High Pressure Secondary Valvehead has a safety margin of 4 times

The S Series valve has a fully articulated, back-sealing, antiblowout spindle whose pusher is grey in appearance because it is coated with a PTFE compound. Normally supplied with a T-Bar handle this unit is also available with a Tamper Proof drive mechanism.



Grub Screw	H = 316SS
T-Bar	H = 316SS
Dust Cap	R-Red G-Green B-Blue
Pusher	H = 316SS
Lock Nut + Spacer	H = 316SS
Yoke	H = 316SS
Spindle	H = 316SS
Shaft Seal	T-PTFE G-Graphite
Bonnet	H = 316SS
Dowell Pin	H = 316SS
Bonnet Seal	T-PTFE G-Graphite
Trim	H = 316SS
	T-Bar  Dust Cap  Pusher  Lock Nut + Spacer  Yoke  Spindle  Shaft Seal  Bonnet  Dowell Pin  Bonnet Seal

**Notes:** <sup>1</sup> The Tap Pusher is grey in appearance as it is plated Slipcoat, a PTFE lubricating coating.

The Valvehead (tap) is permanently engraved and also color coded. Details highlighted are the valve's function and the stuffing box seal material. An A number code (All element traceability or Heat Code) and the general material of construction is stamped on the main manifold body indicating wetted part materials. Information pertinent to the seals can be found in the general part number or by locating the letter T or G engraved on the Bonnet.

Flange seals will be supplied in the same material as the stuffing box seals.

#### ! WARNING!

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