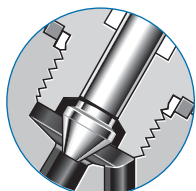


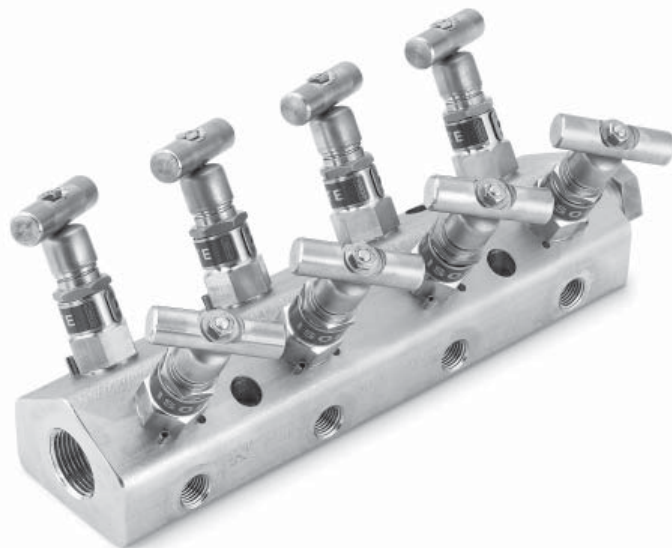
# Distribution Manifold

## J6 Series

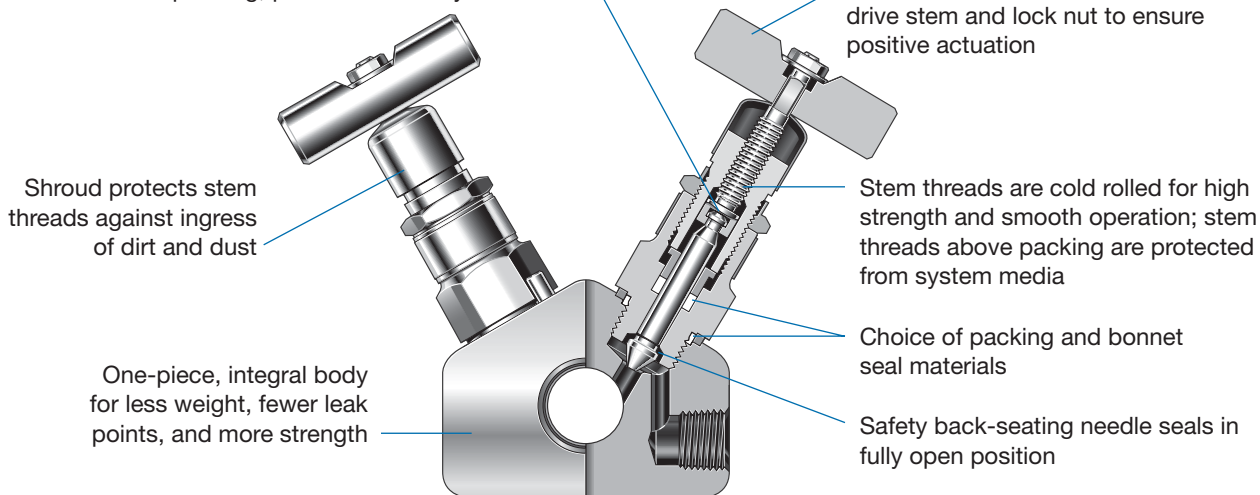
- Extruded stainless steel body rated for 6000 psig (413 bar) working pressure
- Compact, versatile manifold for gas and liquid applications
- Fewer potential leak points than conventional distribution manifolds
- Four to eighteen needle valves and outlet connections
- Mounting holes through the manifold to reduce stress on the piping system



Nonrotating hardened needle for positive shutoff



Two-piece knuckle joint enables nonrotating needle; joint is above packing, protected from system media



## Materials of Construction

Component	Grade/ASTM Specification
<i>Body, bonnets</i>	316/316L SS/A479
<i>Needles</i>	S17400 SS/A564 condition H1150D
<i>Packing, bonnet seals</i>	PTFE or graphite
<i>Lubricant</i>	Molybdenum disulfide in hydrocarbon carrier
Bonnet seal rings, gland nuts, shrouds, stems, glands, handles, handle lock nuts, handle washers, locking pins, gland lock nuts	316 SS

Wetted components listed in *italics*.

## Testing

Every valve is hydrostatically tested at ambient temperature.

## Options and Accessories

- Flanged inlet connections available
- Antitamper feature available
- Bleed/drain valve available
- Hydrostatic test certificates complete with full chemical and physical material certifications available

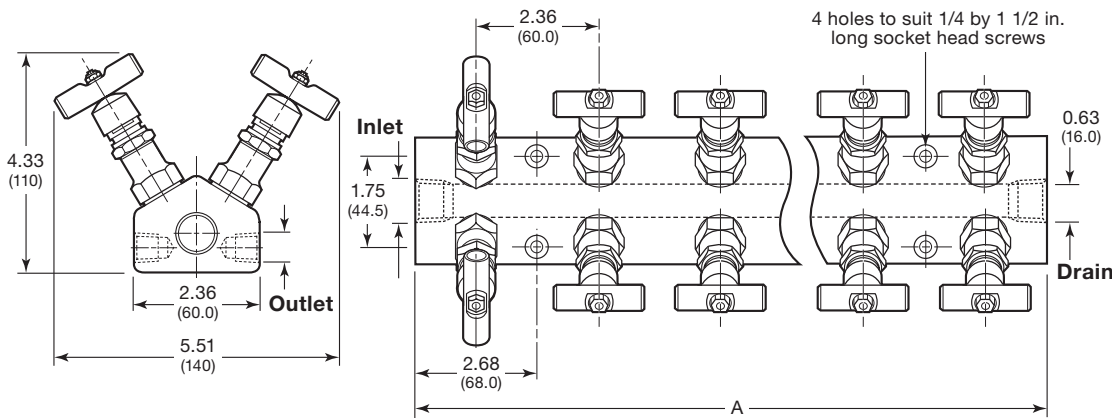
For these and other options and accessories, contact your authorized Swagelok® sales and service representative.

## Pressure-Temperature Ratings

End Connection Size, in.	PTFE Seals		Graphite Seals	
	Temperature °F (°C)	Working Pressure psig (bar)	Temperature °F (°C)	Working Pressure psig (bar)
1/2 and 3/4	200 (93)	6000 (413)	200 (93)	6000 (413)
	400 (204)	4000 (275)	850 (454)	3000 (206)
1	200 (93)	3000 (206)	200 (93)	2000 (137)
	400 (204)	2000 (137)	850 (454)	1500 (103)

## Ordering Information and Dimensions

Dimensions, in inches (millimeters), are for reference only and are subject to change.

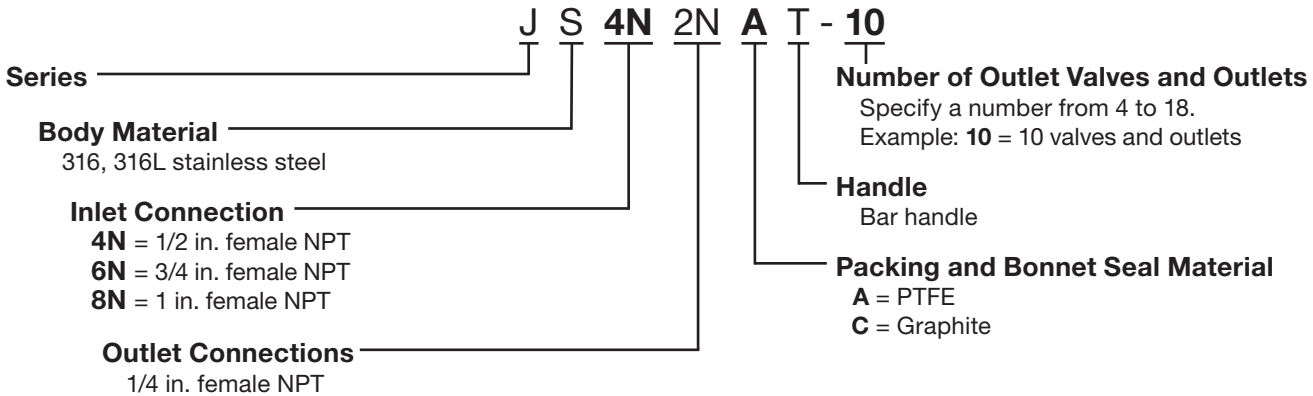


Number of Outlet Connections	A in. (mm)
4	5.35 (136)
6	7.72 (196)
8	10.1 (256)
10	12.4 (316)
12	14.8 (376)
14	17.2 (436)
16	19.6 (496)
18	21.9 (556)

Valve orifice—0.157 in. (4.0 mm)  
 Inlet—1/2, 3/4, or 1 in. female NPT  
 Outlets—1/4 in. female NPT  
 Drain—1/2 in. female NPT

## Ordering Number

Build a distribution manifold ordering number by combining the designators in the sequence shown below.



- ⚠ Packing adjustment may be required during the service life of the valve.
- ⚠ Valves that have not been cycled for a period of time may have a higher initial actuation torque.

### Safe Product Selection

When selecting a product, the total system design must be considered to ensure safe, trouble-free performance. Function, material compatibility, adequate ratings, proper installation, operation, and maintenance are the responsibilities of the system designer and user.

**Caution: Do not mix or interchange parts with those of other manufacturers.**

## Warranty Information

Swagelok products are backed by The Swagelok Limited Lifetime Warranty. For a copy, visit [swagelok.com](http://swagelok.com) or contact your authorized Swagelok representative.