

Flanged Double Block and Bleed Valves Flange to Fitting Connectors

Bulletin 4256-FP Revised, December 1999



Monoblock Range

Monoblock

Purpose

Monoblock manifolds are designed to incorporate primary process isolation valves (O.S & Y.) together with standard isolation and vent needle valves in a one piece body to meet a variety of installation specifications. This compact, weight saving design is available to meet a large variety of customer requirements.



Specifications

- 1/2 to 2" N.B. flanges (15 to 50DN).
- 150 to 2500 lb flange class.
- RF or RTJ flange style.
- Stainless steel standard (316L bar stock)
- Valve pressure/temperature rating

6000 psi (413 bar)/100°C (212°F) 4000 psi (275 bar)/200°C (390°F) 6000 psi (413 bar)/100°C (212°F) 3000 psi (207 bar)/450°C (850°F) P.T.F.E.

Grafoil

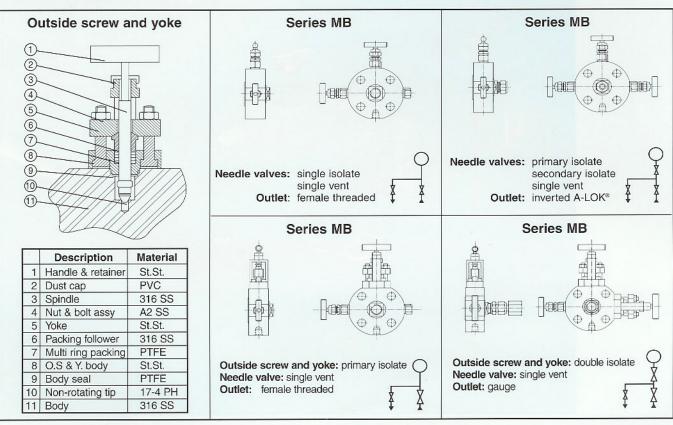
Dimensionally compatible to ANSI B16.5 flange standards.

Features

Inverted A-LOK® outlets: 1/4" to 1" O.D.

(3mm to 25mm O.D.)

- Outlets in male, female and gauge sizes, N.P.T., B.S.P.P., B.S.P.T.
- Outside screw and yoke (O.S. & Y.) and instrument needle valves are available in any position and any combination.
- Valve positional variations available.
- Full heat code traceable material to DIN 50049.3.1.B.
- Variety of materials available which include monel, hastelloy, 6mo, carbon steel and 316L forgings.
- Spanner flats for secure assembly grip are included on instrument outlet.
- Color coded function handles.
- Vent plug supplied loose for customer installation using their preferred thread sealant.
- Fire safe to BS6755 Part 2 available.
- DIN dimensioned flanges available.



Double block and bleed valve manifolds

Purpose

To incorporate double isolate and vent valves from a choice of ball, outside screw and yoke (O.S. & Y.), plug, or needle in one piece compact weight saving unit, accomodating customer choice of piping or instrument specification valves.



Specifications

- 1/2 to 2" N.B. flanges (15 to 50DN).
- 150 to 2500lb flange class.
- RF or RTJ finish.
- Stainless steel standard
- Valve pressure/temp rating

P.T.F.E. 6000 psi (413 bar)/100°C (212°F).

4000 psi (275 bar)/200°C (390°F).

Grafoil 6000 psi (413 bar)/100°C (212°F).

3000 psi (207 bar)/450°C (850°F).

- Flange to ANSI B16.5.
- Ball valve design to BS5351, BS6755 part 2, API 607

Features

- Inverted A-LOK® outlets: 1/4" to 1" O.D. (3mm to 25mm O.D.)
- Outlets in male, female and gauge sizes, N.P.T., B.S.P.P., B.S.P.T.
- Needle, ball, plug and O.S. & Y valves available or combination.
- Full heat code traceable material to DIN 50049.3.1.B and B.S. EN10204:3.1.B.
- Variety of materials available include monel, hastelloy, 6mo and carbon steel.
- Low operating torques.
- Bubble tight shut off.
- Compact weight saving design for limited area installation.
- Vent plug supplied loose for customer installation using their preferred thread sealant.
- Variety of valve packing and seats available.
- Color coded function handles.
- Fire safe valves available to BS6755 part 2.
- Non flanged available.
- DIN standard flanges available.

The Parker range of flanged style manifolds offer the user the true benefits of leak path elimination together with full piping specification requirements, extra safe operation, compact, weight and stress saving design all in a single envelope design.

In its quest for improved performance the optional incorporation of the A-LOK® fitting as an integral part of these manifolds successfully eliminates the need for taper threads and thread sealant. Not only reducing leakage paths, but saving installation time, the fitting incorporates the A-LOK® suparcased back ferrule for total corrosion resistance.

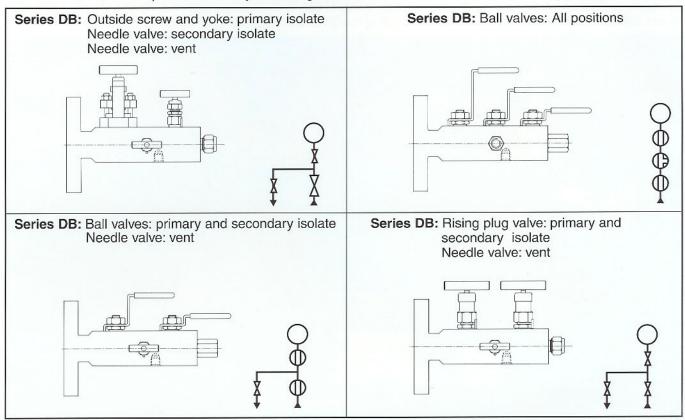
These manifolds are available in a large variety of inlet (flanged) and outlet connections. For full details of needle valve specifications and other manifold and enclosure ranges see Catalog 4256.



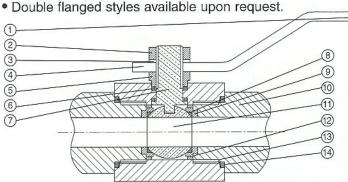
Double Block and Bleed Flanged Manifold Valves

Double block and bleed valve manifolds

A few examples of the many multiflange double block and bleed manifold arrangements.



Many valve combinations of the above are available and can incorporate rising plug, O.S. & Y, needle and ball
or any combination of these.



Fire safe specification

	Description	Material
1	Handle cover	PVC
2	Half nut	A2 St.St.
3	Spring washer	St.St.
4	Handle	St.St.
5	Spigot nut	St.St.
6	Washer	SLG
7	Valve stem	316 SS
8	Ball seat	P.T.F.E.
9	Seat retainer/fire seal	316 SS
10	End connectors	316 SS
11	Ball	316 SS
12	Seat retainer seal	SLG
13	Body	316 SS
14	Connector seals	SLG



A full range of instrument products including twin and single ferrule fittings, quick coupling, needle, ball, plug, check and mini size valves, manifolds, enclosures, tube and tube fabrication equipment are all available from your local distributor.

Multiflange flange connector

Purpose

One piece switchover connector from pipe flange to instrument tubing.

Series FC



Specifications

- 1/2 to 2" N.B. flanges (15 to 50DN).
- 150 to 2500 lb flange class.
- · RF or RTJ finish.
- · Flanges to ANSI B16.5.
- Standard stainless steel body (316L).

Features

- Standard or inverted A-LOK® arrangement 1/4" to 1" O.D. (3mm to 25mm O.D.)
- Full heat code traceability to DIN 50049.3.1.B.
- · Eliminates taper thread connection.
- · Variety of materials available.

Multiflange lapped joint tube adaptors

Purpose

For applications involving small flanged process valves with simple conversion to instrument lines.

Series LJ



Specifications

- 1/2 to 2" N.B. flanges (15 to 50DN).
- 150 to 2500lb flange class.
- RFS or RFR available (RTJ not available).
- Standard stainless steel body (316L).

Features

- Standard or inverted A-LOK® arrangement 1/4" to 1" O.D. (3mm to 25mm O.D.)
- Full heat code traceability to DIN 50049.3.1.B.
- Appropriate lapped joint flanges available.
- · Variety of materials available.
- Choice of smooth or rough spiral faces.

Multiflange kidney flanges

Purpose

Integral A-LOK® twin ferrule connection for simple, easy and safe connection from process measurement impulse line to instrument or manifold.

Series KF



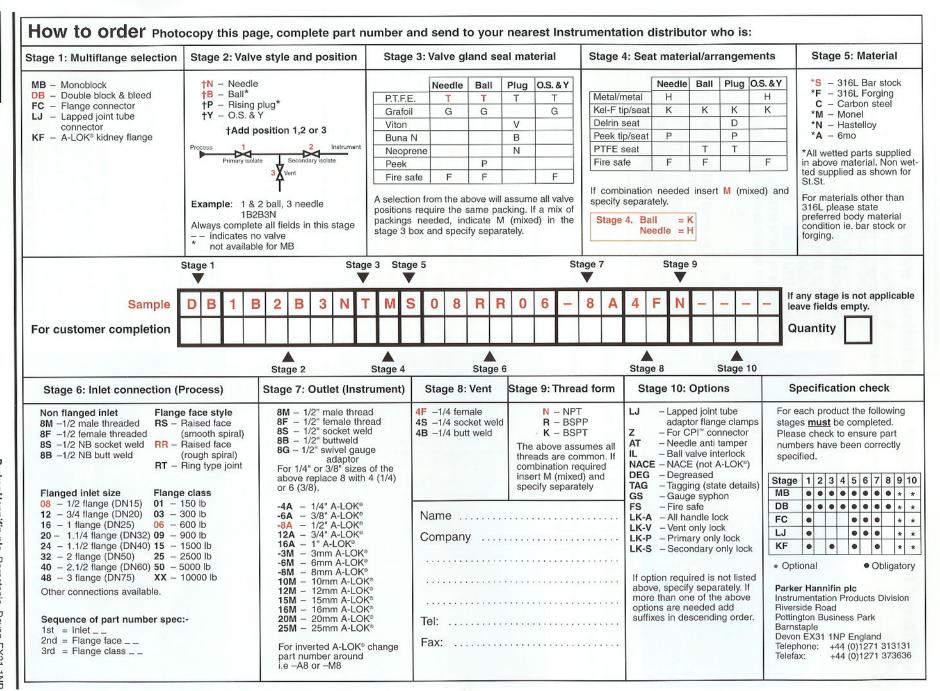
Specifications

- · Rated to 6000 psi.
- Standard P.T.F.E. seal ring.
 Optional Grafoil available.
- Standard stainless steel body (316L).

Features

- Elastomer 'O' ring seals available.
- High tensile steel bolts standard.
- Standard A-LOK® connection up to 1/2" or 12mm.
- 1/2" NB Sch.40 to Sch XXS butt weld connections available.
- 1/2" NB socket weld connection available.





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Parker Hannifin plc
Instrumentation Products Division
Riverside Road
Pottington Business Park
Barnstaple, Devon EX31 1NP
England
Phone: +44 (0)1271 313131
Fax: +44 (0)1271 373636
Email: ipd@parker.com
www.parker.com/instrumentation

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