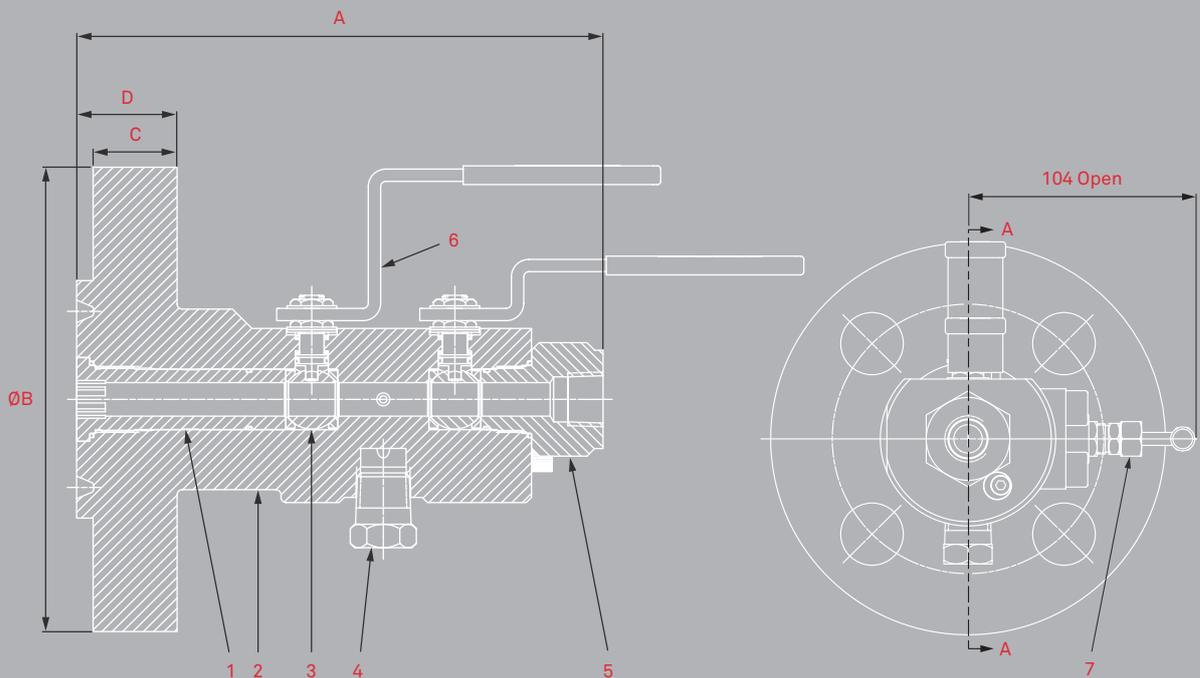


OB Series Flange x Screw 1 Piece

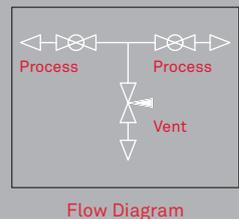
Technical Spec

Double block and bleed single flanged valve manifold utilising soft seated ball valves and a metal to metal seated needle valve with bonnet to body connection for superior, bubble tight sealing capabilities at both high pressures and temperatures.

The SVO type valve offers Ball, Bolted Needle, Ball and Ball, Bolted Needle configuration. The bolted needle offers a more robust option to the screwed type that provides longer service options. This series offers working pressures of up to ASME B16.5 class 2500 with a maximum working temperature of 200°C.



- 1 Injection Quill (Plugged)
- 2 Valve Body
- 3 Isolation Ball Valve
- 4 Blank Plug
- 5 Anti Static Device
- 6 Check Valve
- 7 Valve Handle



Valve Construction

Options

Flange/Inlet †	Outlet †	Vented Port Thread †	Vent Port †	Needle Valve
Raised Face	NPT	NPT	Plugged	Standard Needle
Flat Face	BSPP	BSPP	Unplugged	Anti-Tamper Needle
Ring Type Joint	BSPT	BSPT	Safety Vent Plug	OS&Y Needle
				Lockable OS&Y Needle

† Other options can be supplied upon request.



Temp. Range
-46°C > 200°C †



Pressure Rating
ASME Class 150 - 2500



Flange Sizes
ASME B16.5 1/2" - 2" †



Compliance
NACE MR - 01 - 75



Material Traceability
Major Components



Flow Direction
Bi-directional (Optional)



Servicing Kits
Available

† Actual maximum working temperature is dependent on valve service conditions; please contact for more information.

Design Features

- Two piece non-rotating hardened tip for first time seal and long service life
- Pressure responsive multi-ring / piston packing for compression and pressure dynamic sealing
- Separate shut off for vent to prevent unwanted loss of process medium
- Bore size range from 13mm - 19mm
- Any combination of Vent/Outlet sizes and types available on request
- Raised Face and Flat Face and Ring Type Joint connection options available
- Venting Plug available for Vent Port

Pressure Testing

All our Valves are tested thoroughly. We offer a wide range of testing options due to our variety of in-house testing equipment. Standard Hydro-body, Hydro-seat and Gas seat testing is carried out to API 598 and API 6A, with permissible leakage to ISO 5208. However other standards can be adhered to should it be required, including but not limited to PR2, ISO 15848, MESG SPE 77/300 and MESG SPE 77/312. Please speak to our Sales team with regards to your testing requirements and we will be happy to advise.

Non-Destructive Testing/Examination Options

- DPI
- MPI
- Ultrasonic
- Hardness Testing
- Radiography

Data Table

For further information regarding this range, please see the OB Series Flange x Screw 1 Piece product data table at the back of this brochure.

OB Series Flange x Screw Product Type

13MM OB RANGE ONE PIECE - RF/RTJ FLANGE X 1/2" NPT FEMALE

	Size	Rating	Valve Part No.	A (mm)	ØB (mm)	C (mm)	D RF (mm)	D RTJ (mm)	Nominal weight
Metric / mm	1/2"	300	13DOV4N#-4BR (4BJ)	183	90	10.1	12.1	16.5	4
	1/2"	600	13DOV4N#-4CR (4CJ)	183	95	13.2	15.2	19.6	4
	1/2"	900/1500	13DOV4N#-4ER (4EJ)	183	95	14.8	21.8	21.2	5
	1/2"	2500	13DOV4N#-4FR (4FJ)	203	120	22.8	29.8	29.2	6
	3/4"	300	13DOV4N#-6BR (6BJ)	203	135	30.7	37.7	37.1	4
	3/4"	600	13DOV4N#-6CR (6CJ)	183	100	11.7	13.7	18.1	4
	3/4"	900/1500	13DOV4N#-6ER (6EJ)	183	115	14.8	16.8	21.2	5
	3/4"	2500	13DOV4N#-6FR (6FJ)	183	115	16.4	23.4	22.8	6
	1"	150	13DOV4N#-8AR (8AJ)	203	130	25.9	32.9	32.3	4
	1"	300	13DOV4N#-8BR (8BJ)	203	140	32.3	39.3	38.7	5
	1"	600	13DOV4N#-8CR (8CJ)	183	110	13.2	15.2	19.6	5
	1"	900/1500	13DOV4N#-8ER (8EJ)	183	125	16.4	18.4	22.8	6
	1"	2500	13DOV4N#-8FR (8FJ)	183	125	18.0	25.0	24.4	7
	1 1/2"	150	13DOV4N#-12AR (12AJ)	203	150	29.1	36.1	35.5	5
	1 1/2"	300	13DOV4N#-12BR (12BJ)	203	160	35.5	42.5	41.9	6
	1 1/2"	600	13DOV4N#-12CR (12CJ)	183	125	16.4	18.4	22.8	6
	1 1/2"	900/1500	13DOV4N#-12ER (12EJ)	183	155	19.6	21.6	26.0	9
	1 1/2"	2500	13DOV4N#-12FR (12FJ)	203	155	22.8	29.8	29.2	13
	2"	150	13DOV4N#-16AR (16AJ)	203	180	32.3	39.3	38.7	6
	2"	300	13DOV4N#-16BR (16BJ)	203	205	45.0	52.0	52.9	7
2"	600	13DOV4N#-16CR (16CJ)	183	150	18.0	20.0	24.4	7	
2"	900/1500	13DOV4N#-16ER (16EJ)	183	165	21.2	23.2	29.1	13	
2"	2500	13DOV4N#-16FR (16FJ)	203	165	25.9	32.9	33.8	19	