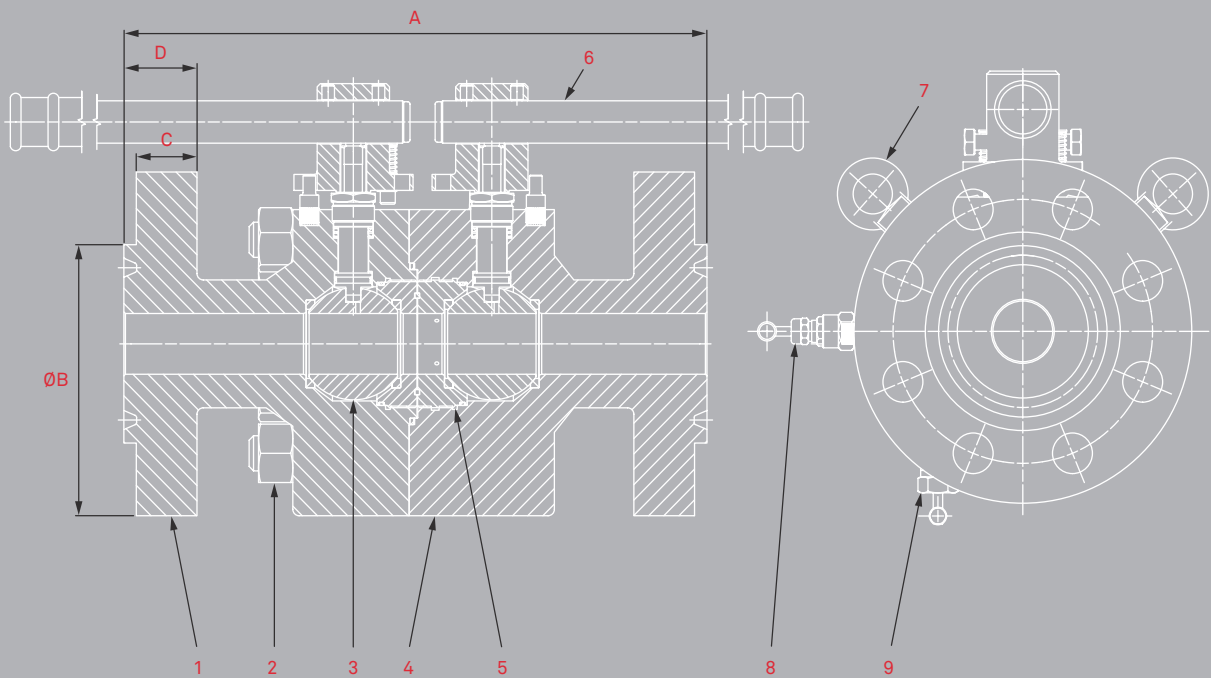


TB Twin Blok II Type

Technical Spec

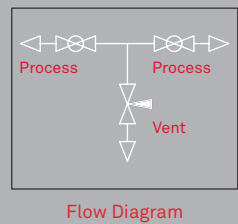
Double block and bleed double flanged valve manifold utilising both soft seat and metal to metal seat, with a single body to body connection for superior, bubble tight sealing capabilities at both high pressures and temperatures.

The TB type valve offers a Ball, Needle, Ball configuration. The award winning design features a single leak path design and compact manifold that fits 3 valves into a much shorter face to face length than other manifolds offering the same applications. This series offers working pressures of up to ASME B16.5 class 2500 with a maximum working temperature of up to 200°C.



Valve Construction

- | | |
|--------------------------|------------------------|
| 1 Twin Block Valve Body | 6 Ball Valve Handle |
| 2 Body Fasteners | 7 Lifting Eye |
| 3 Floating Ball Valve | 8 Screwed Needle Valve |
| 4 Twin Blok Valve Body | 9 Safety Vent Plug |
| 5 Twin Blok Screw Insert | |



[†]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" - 6" †



Compliance
NACE MR - 01 - 75

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

Design Features

- Small Face to Face means 3 valves fit in the space of one standard isolation valve
- Reduced number of Leak Paths – only one
- 19mm Bore to 100mm Bore
- Designed to ASME B16.34 Class 150 to 2500 pressure rated and API 6A up to 10,000psi
- ASME B1.20.1 ½" – 14 NPT Vent Size – Standard
- Fire safe designs
- Needle, Anti-Tamper Needle or Bolted Needle Vent options
- Materials available include: ASTM A182 F316 Stainless Steel, ASTM A182 F51/55 Duplex & Super Duplex, and ASTM B564 UNS N06625 Inconel

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, MESC SPE 77/300 and MESC 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 TB Twin Blok II Type product data table at the back of this brochure.

TB Twin Blok II Product Type

19MM TB SERIES - RF/RTJ FLANGE X RF/RTJ FLANGE

	Size	Rating	Valve Part No.	A (mm)	ØB (mm)	C (mm)	D RF (mm)	D RTJ (mm)	Nominal weight
Metric / mm	3/4"	150	19TBDV4N#-6AR (6AJ)	28	100	11.7	13.7	18.1	3
	3/4"	300	19TBDV4N#-6BR (6BJ)	28	115	14.8	16.8	21.2	4
	3/4"	600	19TBDV4N#-6CR (6CJ)	28	115	16.4	23.4	22.8	4
	3/4"	900/1500	19TBDV4N#-6ER (6EJ)	28	130	25.9	32.9	32.3	5
	3/4"	2500	19TBDV4N#-6FR (6FJ)	28	140	32.3	39.3	38.7	6
	1"	150	19TBDV4N#-8AR (8AJ)	28	110	13.2	15.2	19.6	4
	1"	300	19TBDV4N#-8BR (8BJ)	28	125	16.4	18.4	22.8	4
	1"	600	19TBDV4N#-8CR (8CJ)	28	125	18.0	25.0	24.4	4
	1"	900/1500	19TBDV4N#-8ER (8EJ)	28	150	29.1	36.1	35.5	6
	1"	2500	19TBDV4N#-8FR (8FJ)	28	160	35.5	42.5	41.9	6
	1 1/2"	150	19TBDV4N#-12AR (12AJ)	28	125	16.4	18.4	22.8	5
	1 1/2"	300	19TBDV4N#-12BR (12BJ)	28	155	19.6	21.6	26.0	6
	1 1/2"	600	19TBDV4N#-12CR (12CJ)	28	155	22.8	29.8	29.2	6
	1 1/2"	900/1500	19TBDV4N#-12ER (12EJ)	28	180	32.3	39.3	38.7	9
	1 1/2"	2500	19TBDV4N#-12FR (12FJ)	28	205	45.0	52.0	52.9	13
	2"	150	19TBDV4N#-16AR (16AJ)	28	150	18.0	20.0	24.4	5
	2"	300	19TBDV4N#-16BR (16BJ)	28	165	21.2	23.2	29.1	6
	2"	600	19TBDV4N#-16CR (16CJ)	28	165	25.9	32.9	33.8	7
	2"	900/1500	19TBDV4N#-16ER (16EJ)	28	215	38.6	45.6	46.5	13
	2"	2500	19TBDV4N#-16FR (16FJ)	28	235	51.4	58.4	59.3	18