



Double Block and Bleed Valves

Innovations designed
to improve operations
profitability





About us

YDB VALVES LLP, a pioneer manufacturing company having good experience in the designing and manufacturing of a new concept instrumentation Valves: Manifolds, Monoflanges, SBB & DBB Valves both in needle and ball types, Floating and Trunnion design Ball Valves, strictly produced in according to the most stringent quality standards of safety and efficiency.

We have a fully well-equipped modern in-house manufacturing facility using CNC lathes, VMC, etc. with highly motivated team and up to date technology assisting us to achieve reliable products at competitive price with better product flexibility, consistency and optimum service.

Our experience in the understanding of applications requirements, combined with our high flexibility, allows us to develop customized solutions designed for customers' specific needs.

Our products are machined from the materials CF8M, SS316, SS316L, Duplex, Super Duplex, Monel, Inconel, etc.

Moreover, our valves production can be completed with complementary accessories, something that makes YDB VALVES a favorite and reliable partner for those companies that supply 'packages' of various matching goods. Our products are widely use in the Chemical, Petrochemical, Oil & Gas, Off-Shore, On-Shore, Power Generation, Naval industries, etc., used as components of plants and machineries with a high technological value.

Primary Isolation Valve Application

- | | |
|-----------------------|--------------------|
| • Chemical | • Electronic |
| • Pharmaceutical | • Power Generation |
| • Marine | • Laboratory |
| • Packaging | • Oil and Gas |
| • Printing Industries | • Petro-Chemical |
| • Architectural | • Power |

We Have Well Equipped Modern Manufacturing Facility With Good Motivated Skilled Experience Engineering And Production Staff. We Manufacture Each And Every Component Of Our Products Using Cnc Lathes, Vertical Machining Centre, Manual Lathes Machine Etc. Within Given Tolerances By Closely Monitoring Critical Dimensions, Surface Finishes, Run Out, Sharp Edges Etc. After Referring And Meeting The Requirements As Per Drawing, Under Rigid Quality Controlled Procedures Approved To Iso 9001: 2015 Which Ensures Consistent Quality and High Performance Products.



Special Testing Capabilities

YDB VALVES has the latest state-of-the-art testing facility available and are practically equipped to perform most stringent and variety of tests possible on DBB Valves. Few of them are, Fugitive Emission testing, Cryogenic testing, high pressure Nitrogen/ Gas testing, Vacuum testing (Helium leak detection), Sulphide stress cracking (SSC) testing and Hydrogen Induced Cracking (HIC) testing.



YDB VALVE'S goal of quality assurance is to improve development and test processes so that defects do not arise when the product is being developed.



ULTRASONIC TESTING



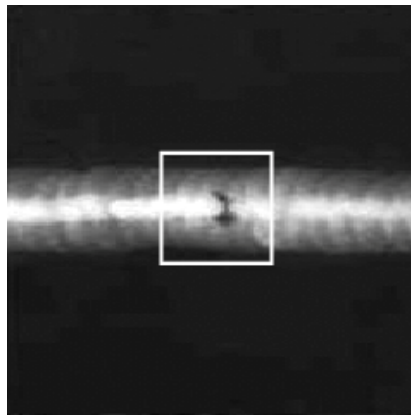
HARDNESS TESTING



DYE PENETRANT TESTING



MAGNETIC PARTICLE INSPECTION



RADIOGRAPHY



HYDROTESTING



POSITIVE MATERIAL IDENTIFICATION



FUGITIVE EMISSION TEST



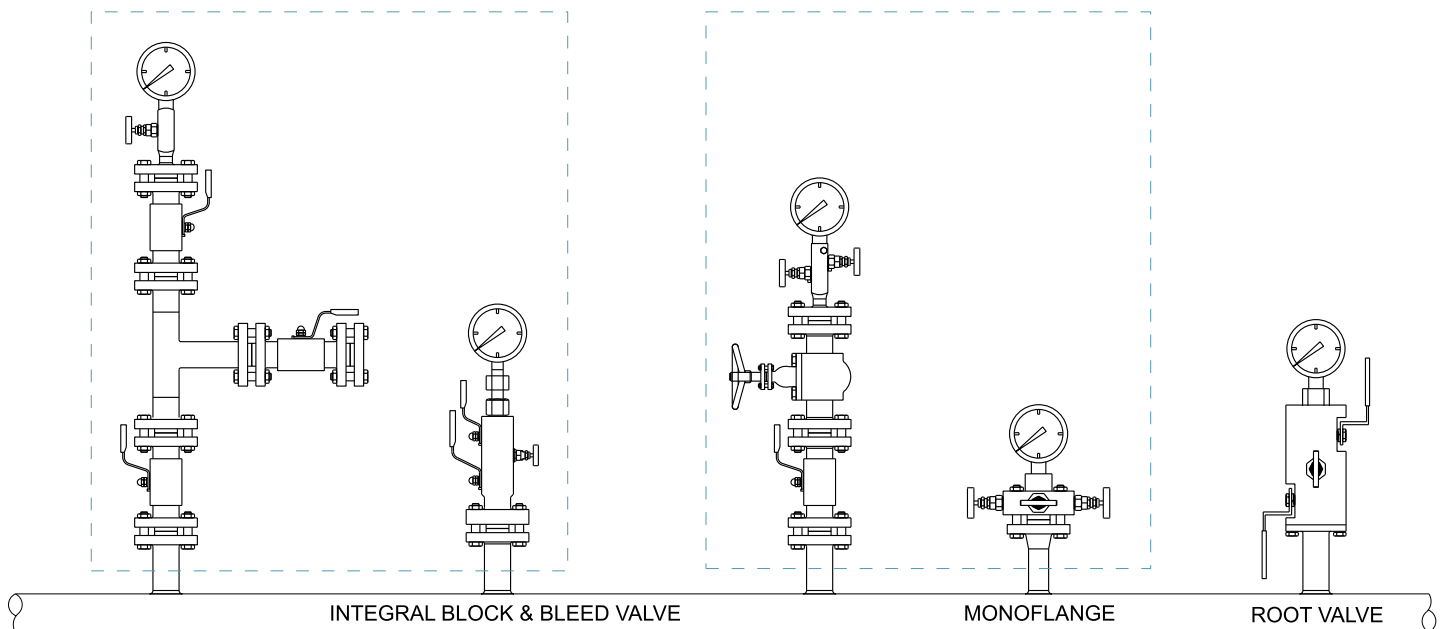
DRY FILM THICKNESS

FIRE TEST

YDB VALVES have been designed to meet the requirements of API 607/ API 6FA/ BS 6755 - Part II./ BS EN ISO 10497.



- More compact design
- Reduced weight and height
- Reduced leakage point
- Reduced effect of vibration
- Supporting bracket are not required
- Reduced installation cost
- Reduced gasket and bolting



Integral Block & Bleed valve

- Ball and globe type needle valves
- Flanged and threaded connections
- Integrally forged body

Monoflange

- Globe type needle valves
- Flanged and threaded connections
- Slimline Integrally forged body

Root valve

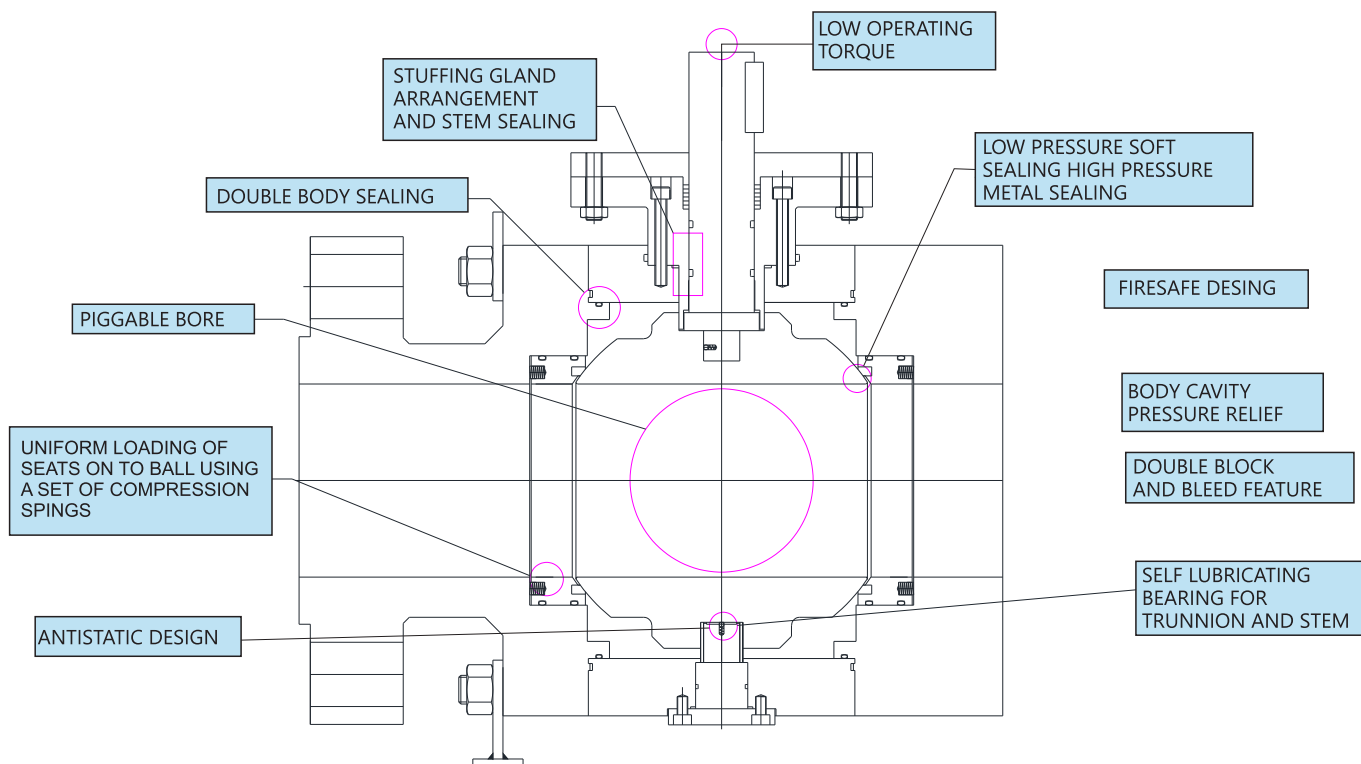
- Ball and globe type needle valves
- Weld or threaded connections
- Direct connection to the vessel

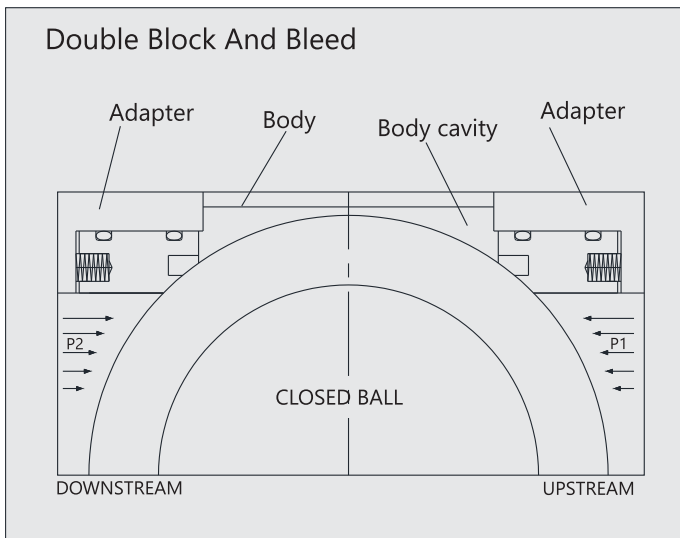
- YDB Valves are designed and manufactured as per ASME B 16.34, API 6D & BS 5351/BS EN ISO 17292. These standards cover pressure - Temperature ratings, minimum shell thickness, bore diameter for each size/ class.
 - Valve body and trim can be offered as per NACE MR 01-75 compliant.
 - Castings inspection as per MSS-SP 53, 54, 55, 59, 93 & 94
 - Actuator mounting pad on the valve as per ISO 5211
- Fugitive emission qualification as per ISO 15848, TA -Luft: VDI 2440
MESG 77/312 and EPA 40_CFR 60-F
- Other applicable standards:

Valve Bore	: API 6D
Face to face	: ASME B 16.10 / API 6D
Flange dimensions	: ASME B 16.5 / B 16.47 / MSS SP 44
Butt weld valve ends	: ASME B 16.25 / B 31.3 / B 31.4 / B 31.8
Pressure tests	: API 6D/API 6FA / BS EN 12266- 1 & 2
Fire safe test	: API 607/ API 6FA / BS 6755 Part II / BS EN ISO 10497
Drain / Vent / Bypass	: MSS SP 46 / API 6D

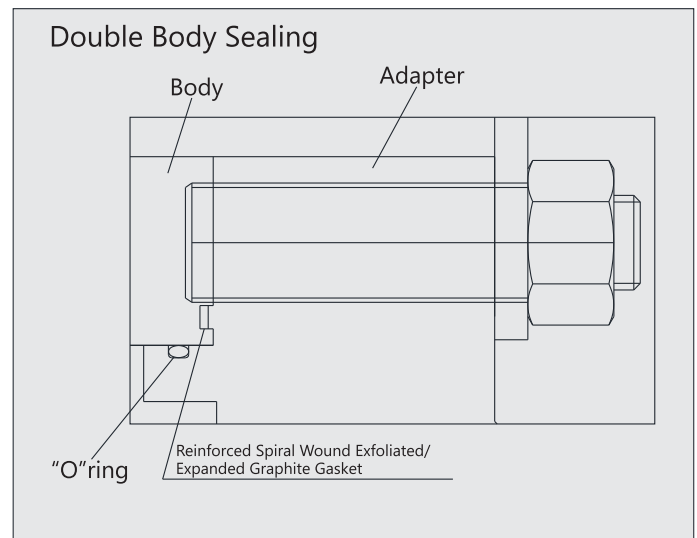
Quality Systems / Certification : ISO 9001-2000, API 6D - Q1, PED 97/23/EC

Trunnion Mounted Ball Valve

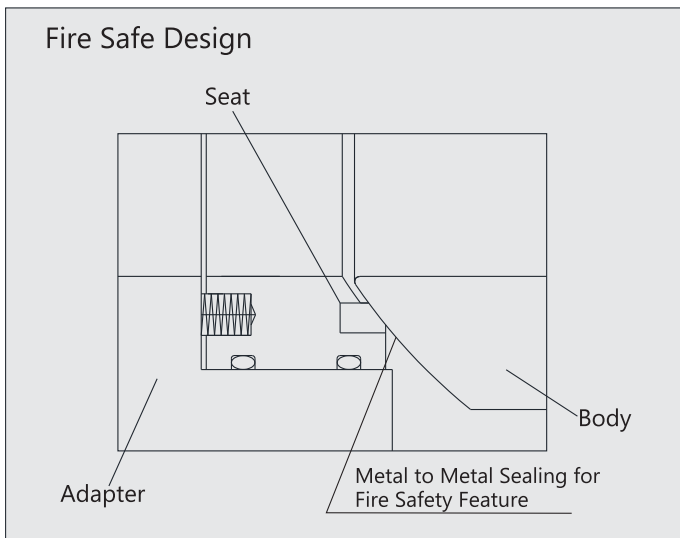




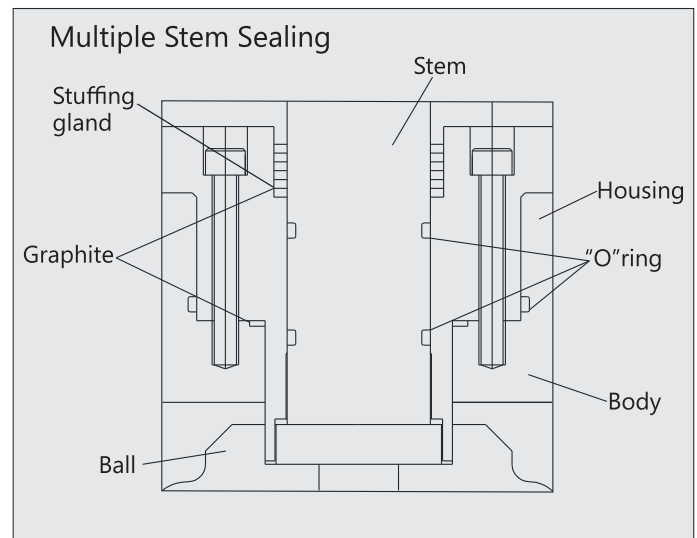
Spring loaded floating seats maintain contact with the ball and provide tight shut off even at low pressure differential. Independent sealing of upstream and downstream sides facilitates draining of fluid from the body cavity, and thus the double block and bleed operation.



Double seal combination of O-ring and spiral wound gasket ensure perfect body joint sealing. YDB valves therefore meet or exceed the fugitive emission requirements across wide range of pressure and temperature applications. Valves are suitable for both above and underground installations



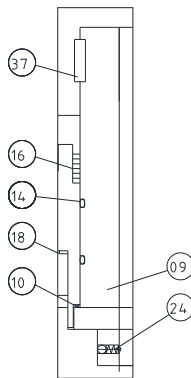
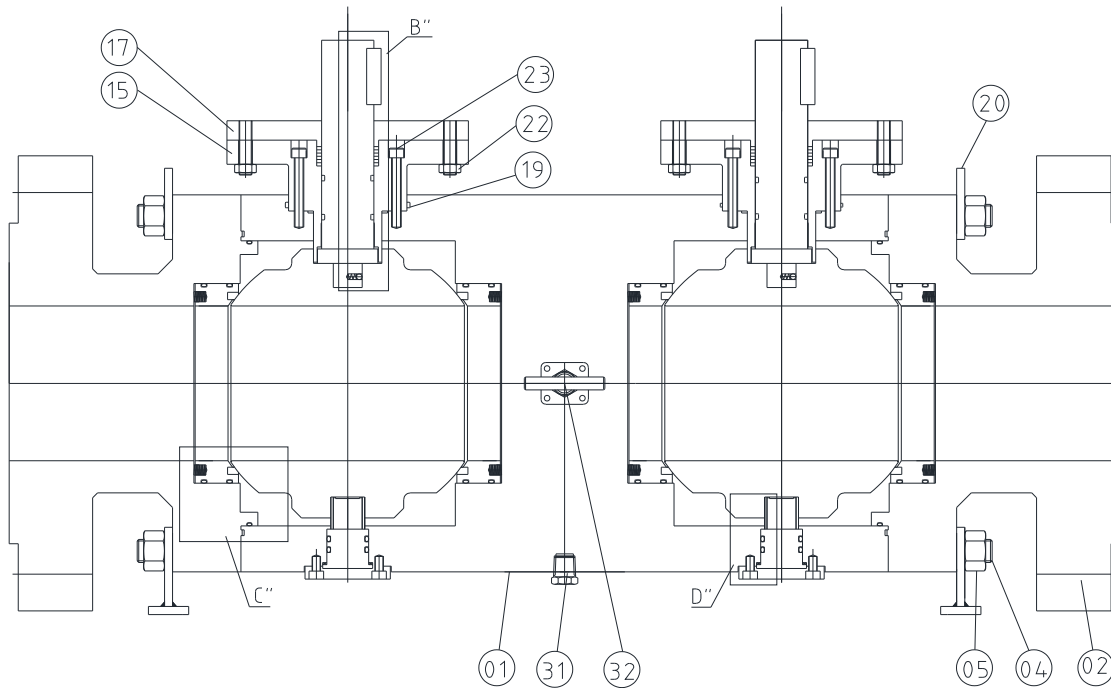
In the event of fire, soft insert gets burnt and spring loaded seats ensure metal to metal sealing.



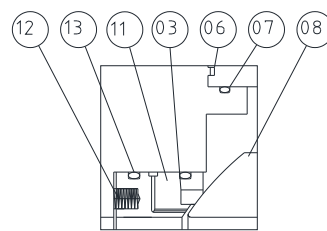
A triple sealing arrangement in stem area prevents leakage to atmosphere. It includes double sealing with O-ring and graphite seal at the top of stem housing. The blow out proof stem enables positive stem retention.

Corrosion Protection and Painting

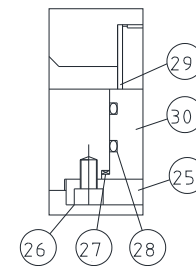
- All castings are shot blasted and are subjected to dewatering oil coats. Carbon Steel valves are zinc phosphated and internally lacquered before final assembly.
- Valves are thoroughly cleaned and primer coated with Epoxy Zinc Phosphate primer, followed by a final coat of Epoxy Blue shade applied in semi-gloss finish.
- Valves are shipped in vapour corrosion inhibitor impregnated paper bags with desiccant pouches to prevent corrosion due to saline environment.



Stem Detail- B

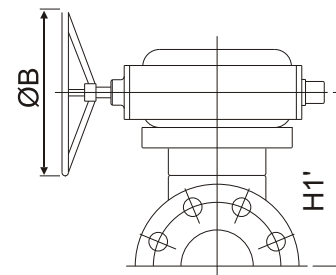


Seat and Closure Detail- C

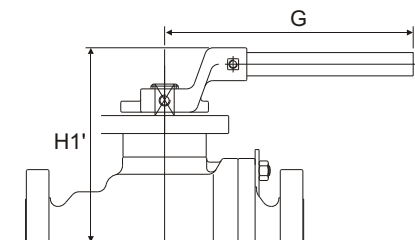


Trunnion details - D

P. NO	ITEM NAME	P. NO	ITEM NAME
01	Body	17	Gland Plate
02	Connector	18	Housing Gasket
03	Seat	19	Housing Oring
04	Studs	20	Resting Lugs
05	Nuts	21	Lifting Lugs
06	Gasket Body	22	Studs / Nuts
07	Body Sealing	23	Housing Screw
08	Ball	24	Antistatic
09	Stem	25	Trunnion Cover
10	Stem Thrust Washer	26	Trunnion Screw
11	Seat retainer	27	Gasket Trunnion
12	Spring	28	Oring Trunnion
13	Oring Retainer	29	Trunnion Bearing
14	Stem Oring	30	Trunnion Stem
15	Housing	31	Vent plug
16	Gland packing	32	Bolted Bonnet Needle Valve

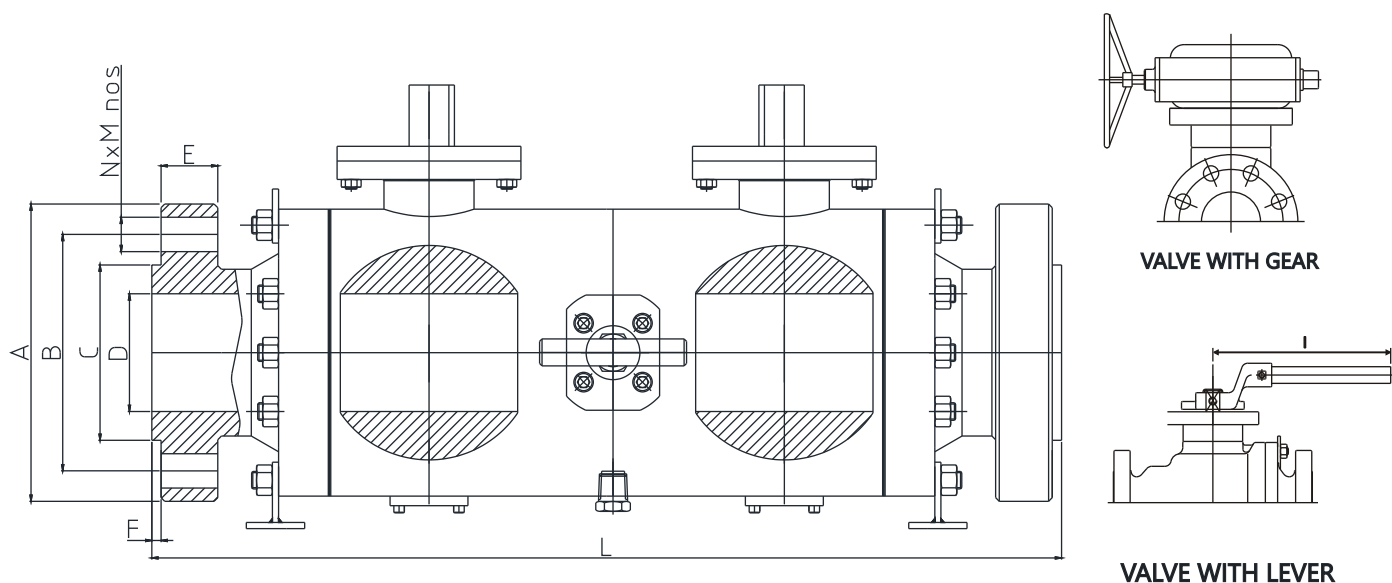


VALVE WITH GEAR



VALVE WITH LEVER

ASME CLASS 150



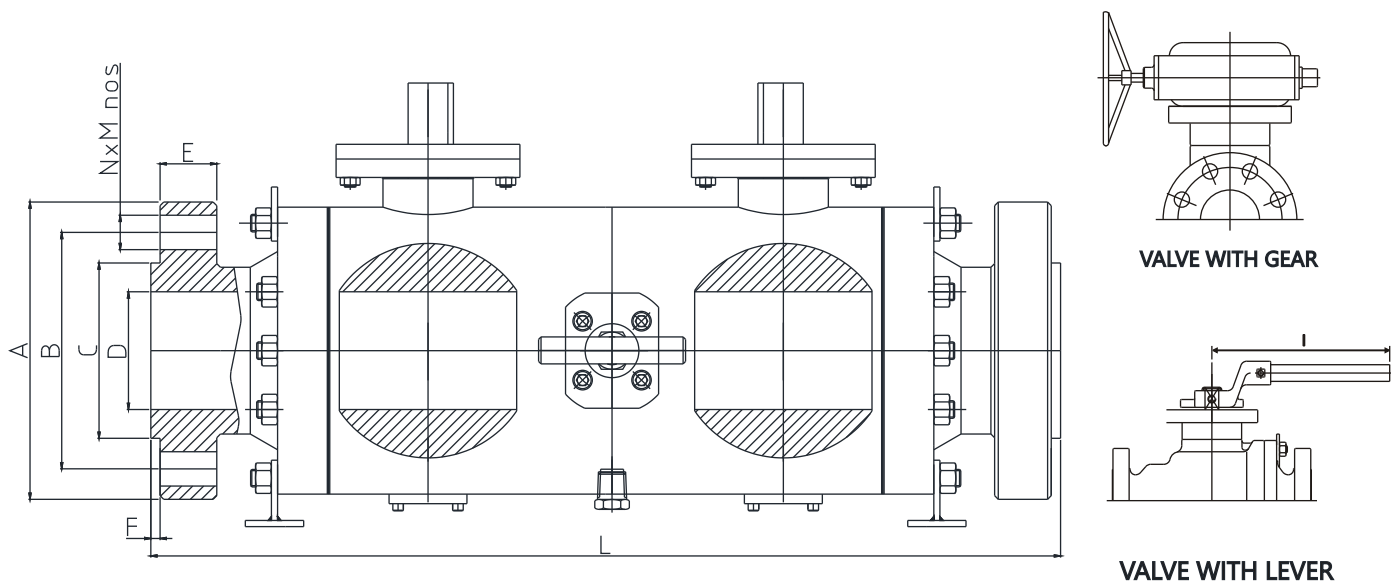
Full Bore Design - Flanged Ends

Size Inch	Type	A	B	C	D	E	F	N	M	I	L	Wt kg
1/2"	Floating	88.9	60.5	35.0	15.0	9.6	2.0	15.7	4	135	208	8.5
3/4"	Floating	98.6	69.8	42.9	20.0	11.2	2.0	15.7	4	135	215	9.5
1"	Floating	108	79.2	50.8	25.0	12.7	2.0	15.7	4	165	240	12.0
1-1/2"	Floating	127	98.6	73.2	38.0	15.9	2.0	15.7	4	200	292	18.0
2"	Floating	152	121	92.0	50.0	17.5	2.0	19.0	4	225	340	23.0
3"	Floating	190	152.4	127.0	75.0	22.3	2.0	19.0	4	350	400	43.0
4"	Floating	230	190.5	157.2	100.0	22.3	2.0	19.0	8	450	450	83.0
6"	Floating	280	241.3	216.0	150.0	23.9	2.0	22.2	8	550	640	149.0
8"	Trunnion	345	298.5	270.0	200.0	27.0	2.0	22.2	8	-	840	440.0

Reduced Bore Design - Flanged Ends

Size Inch	Type	A	B	C	D	E	F	N	M	I	L	Wt kg
3/4"x1/2"	Floating	98.6	69.8	42.9	15.0	11.2	2.0	15.7	4	135	212	10.0
1x3/4"	Floating	108.0	79.2	50.8	20.0	12.7	2.0	15.7	4	165	229	11.5
1-1/2"x1"	Floating	127.0	98.6	73.2	25.0	15.9	2.0	15.7	4	200	247	16.0
2"x 1-1/2"	Floating	152.0	121.0	92.0	38.0	17.5	2.0	19.0	4	225	296	22.0
3" x 2"	Floating	190.0	152.4	127.0	50.0	22.3	2.0	19.0	4	350	350	29.0
4" x 3"	Floating	230.0	190.5	157.2	75.0	22.3	2.0	19.0	8	450	400	50.0
6" x 4"	Floating	280.0	241.3	216.0	100.0	23.9	2.0	22.2	8	550	454	98.0
8" x 6"	Floating	245.0	298.5	270.0	150.0	27.0	2.0	22.2	8	-	646	160.0

ASME CLASS 300



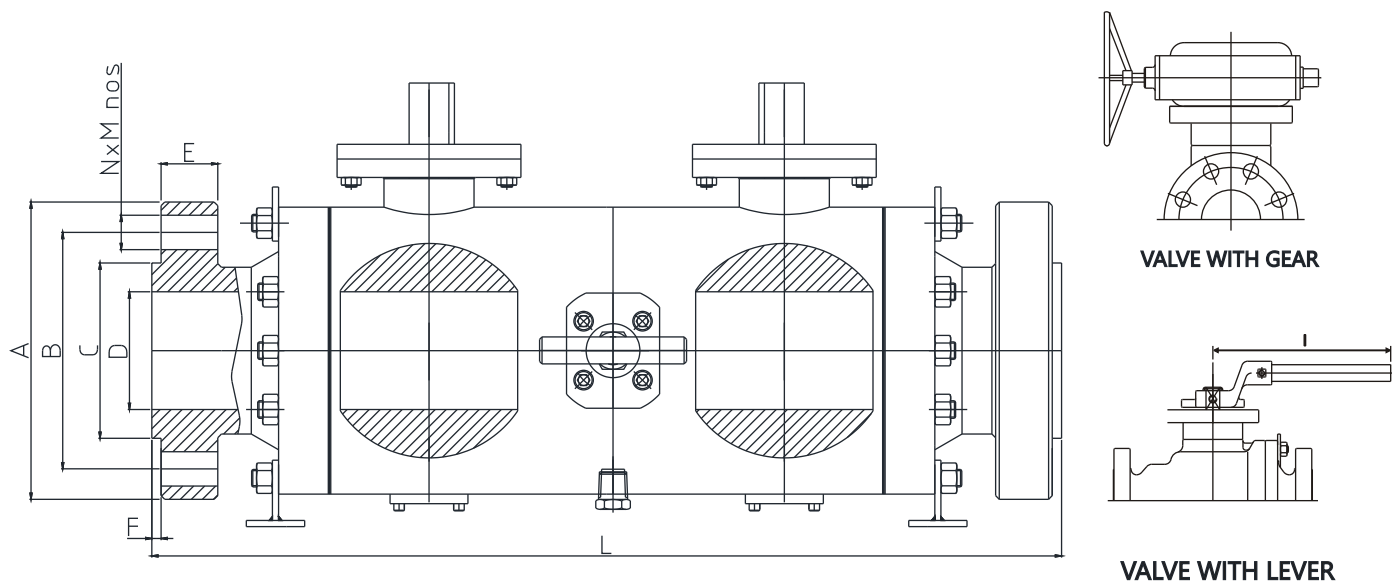
Full Bore Design - Flanged Ends

Size Inch	Type	A	B	C	D	E	F	N	M	I	L	Wt kg
1/2"	Floating	95.2	66.5	35.0	15.0	12.7	2.0	15.7	4	135	224	9.5
3/4"	Floating	117.0	82.6	42.9	20.0	14.3	2.0	19.0	4	135	231	10.5
1"	Floating	124.0	88.9	50.8	25.0	15.9	2.0	19.0	4	165	248	13.0
1-1/2"	Floating	155.0	114.0	73.2	38.0	19.1	2.0	22.2	4	200	298	22.0
2"	Floating	165	127	92.0	50.0	20.7	2.0	19.0	8	225	348	28.0
3"	Floating	210.0	168.3	127.0	75.0	27.0	2.0	22.2	8	350	412	52.0
4"	Floating	254.0	200.0	157.2	100.0	30.2	2.0	22.2	8	450	477	114.0
6"	Trunnion	320.0	270.0	216.0	150.0	35.0	2.0	22.2	12	550	732	320.0
8"	Trunnion	380.0	330.0	270.0	200.0	39.7	2.0	25.4	12	-	892	

Reduced Bore Design - Flanged Ends

Size Inch	Type	A	B	C	D	E	F	N	M	I	L	Wt kg
3/4"x1/2"	Floating	117.0	82.6	42.9	15.0	14.3	2.0	19.0	4	135	228	11.5
1x3/4"	Floating	124.0	88.9	50.8	20.0	15.9	2.0	19.0	4	165	235	13.0
1-1/2"x1"	Floating	155.0	114.0	73.2	25.0	19.1	2.0	22.2	4	200	256	18.0
2"x 1-1/2"	Floating	165.0	127.0	92.0	38.0	20.7	2.0	19.0	8	225	298	27.0
3" x 2"	Floating	210.0	168.3	127.0	50.0	27.0	2.0	22.2	8	350	360	35.0
4" x 3"	Floating	254.0	200.0	157.2	75.0	30.2	2.0	22.2	8	450	420	60.0
6" x 4"	Floating	320.0	270.0	216.0	100.0	35.0	2.0	22.2	12	550	487	130.0
8" x 6"	Trunnion	380.0	330.0	270.0	150.0	39.7	2.0	25.4	12	-	752	354.0

ASME CLASS 600



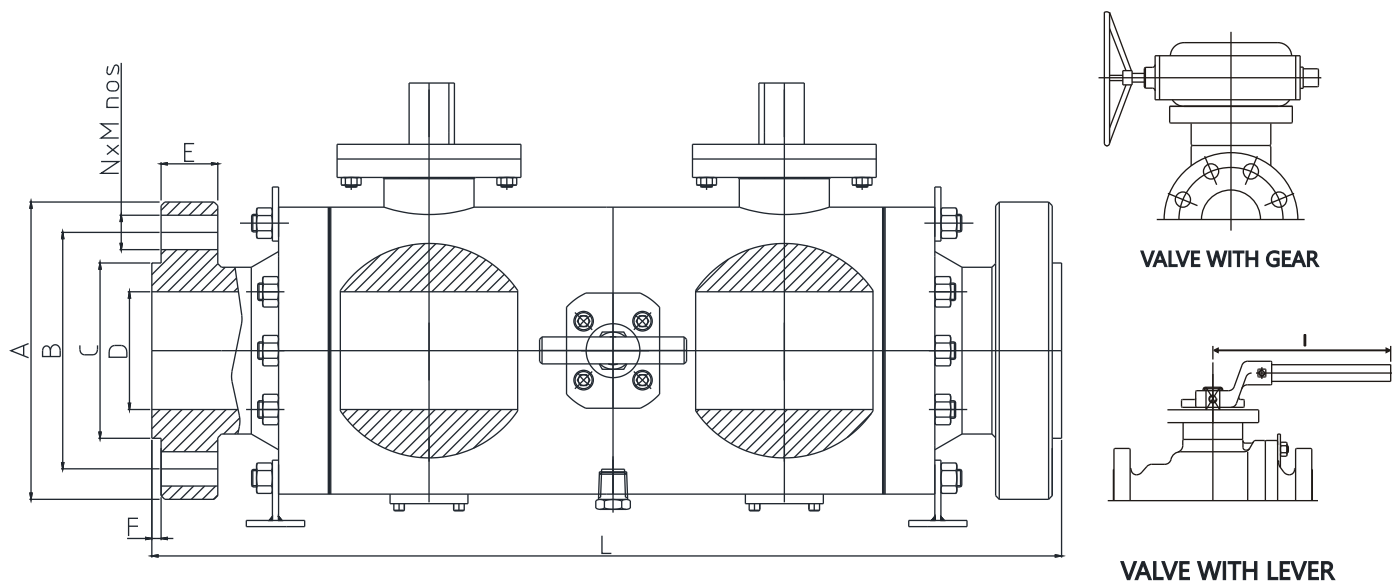
Full Bore Design - Flanged Ends

Size Inch	Type	A	B	C	D	E	F	N	M	I	L	Wt kg
1/2"	Floating	95.2	66.5	35.0	15.0	14.3	6.35	15.7	4	135	226	10.0
3/4"	Floating	117.0	82.6	42.9	20.0	15.9	6.35	19.0	4	150	234	11.0
1"	Floating	124.0	88.9	50.8	25.0	17.5	6.35	19.0	4	180	252	14.0
1-1/2"	Floating	155.0	114.0	73.2	38.0	22.3	6.35	22.2	4	250	325	24.0
2"	Floating	165.0	127.0	92.0	50.0	25.4	7.0	19.0	8	280	356	31.0
3"	Floating	210.0	168.3	127.0	75.0	31.8	7.0	22.2	8	350	465	57.0
4"	Trunnion	275.0	216.0	157.2	100.0	38.1	7.0	25.4	8	-	700	240.0
6"	Trunnion	355.0	292.1	216.0	150.0	47.7	7.0	28.6	12	-	880	420.0
8"	Trunnion	420.0	349.2	270.0	200.0	55.6	7.0	31.8	12	-	1053	670.0

Reduced Bore Design - Flanged Ends

Size Inch	Type	A	B	C	D	E	F	N	M	I	L	Wt kg
3/4"x1/2"	Floating	117.0	82.6	42.9	15.0	15.9	6.35	19.0	4	150	230	13.0
1x3/4"	Floating	124.0	88.9	50.8	20.0	17.5	6.35	19.0	4	180	238	14.5
1-1/2"x1"	Floating	155.0	114.0	73.2	25.0	22.3	7.0	22.2	4	250	262	20.0
2"x 1-1/2"	Floating	165.0	127.0	92.0	38.0	25.4	7.0	19.0	8	280	338	30.0
3" x 2"	Floating	210.0	168.3	127.0	50.0	31.8	7.0	22.2	8	350	371	40.0
4" x 3"	Floating	275.0	216.0	157.2	75.0	38.1	7.0	25.4	8	-	480	66.0
6" x 4"	Trunnion	355.0	292.1	216.0	100.0	47.7	7.0	28.6	12	-	730	280.0
8" x 6"	Trunnion	420.0	349.2	270.0	150.0	55.6	7.0	31.8	12	-	910	470.0

ASME CLASS 900



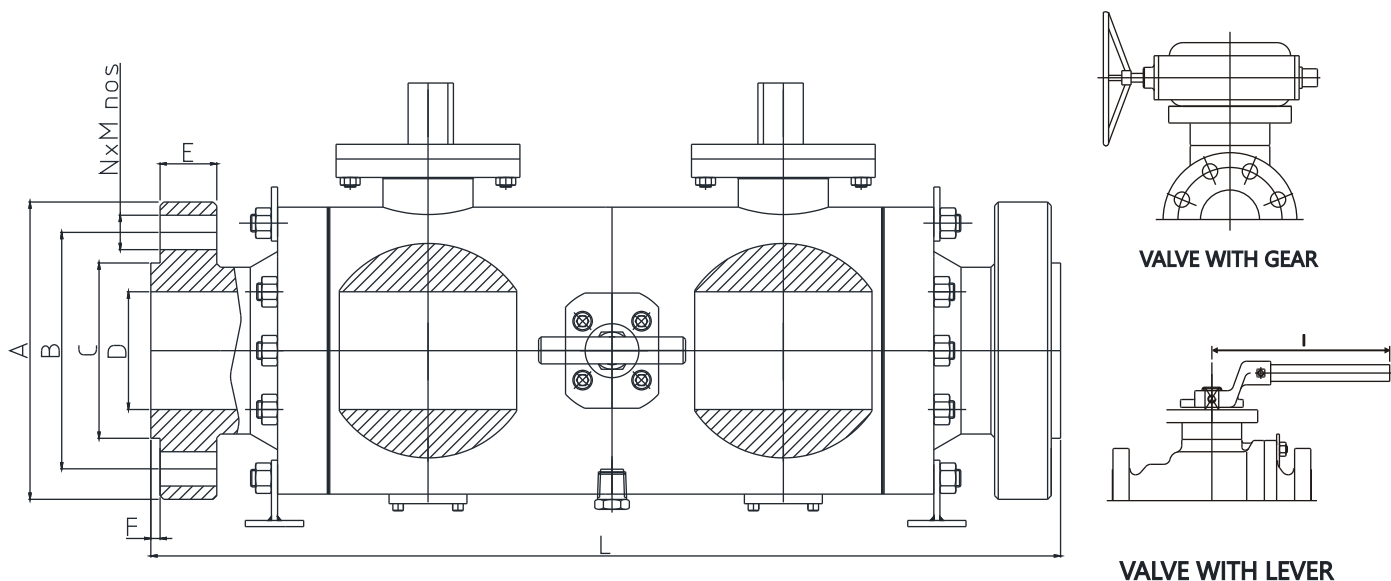
Full Bore Design - Flanged Ends

Size Inch	Type	A	B	C	D	E	F	N	M	I	L	Wt kg
1/2"	Floating	121.0	82.6	35.0	15.0	22.3	6.35	22.2	4	165	276	13.0
3/4"	Floating	130.0	88.9	42.9	20.0	25.4	6.35	22.2	4	180	287	16.0
1"	Floating	149.0	102.0	50.8	25.0	28.6	6.35	25.4	4	200	330	21.0
1-1/2"	Floating	178.0	124.0	73.2	38.0	31.8	7.0	28.6	4	300	400	46.0
2"	Floating	216.0	165.0	92.0	50.0	38.1	7.0	25.4	8	350	467	63.0
3"	Trunnion	240.0	190.5	127.0	75.0	38.1	7.0	25.4	8	-	650	150.0
4"	Trunnion	292.0	235.0	157.2	100.0	44.5	8.0	31.8	8	-	750	315.0
6"	Trunnion	381.0	317.5	216.0	150.0	55.6	8.0	31.8	12	-	980	775.0
8"	Trunnion	470.0	393.7	270.0	200.0	63.5	8.0	38.1	12	-	1200	1330.0

Reduced Bore Design - Flanged Ends

Size Inch	Type	A	B	C	D	E	F	N	M	I	L	Wt kg
3/4"x1/2"	Floating	130.0	88.9	42.9	15.0	25.4	6.35	22.2	4	180	282	16.0
1x3/4"	Floating	149.0	102.0	50.8	20.0	28.6	6.35	25.4	4	200	295	19.0
1-1/2"x1"	Floating	178.0	124.0	73.2	25.0	31.8	7.0	28.6	4	300	340	28.0
2"x 1-1/2"	Floating	216.0	165.0	92.0	38.0	38.1	7.0	25.4	8	350	415	55.0
3" x 2"	Floating	240.0	190.5	127.0	50.0	38.1	7.0	25.4	8	350	445	75.0
4" x 3"	Trunnion	292.0	235.0	157.2	75.0	44.5	8.0	31.8	8	-	665	180.0
6" x 4"	Trunnion	381.0	317.5	216.0	100.0	55.6	8.0	31.8	12	-	775	390.0
8" x 6"	Trunnion	470.0	393.7	270.0	200.0	63.5	8.0	38.1	12	-	1020	870.0

ASME CLASS 1500



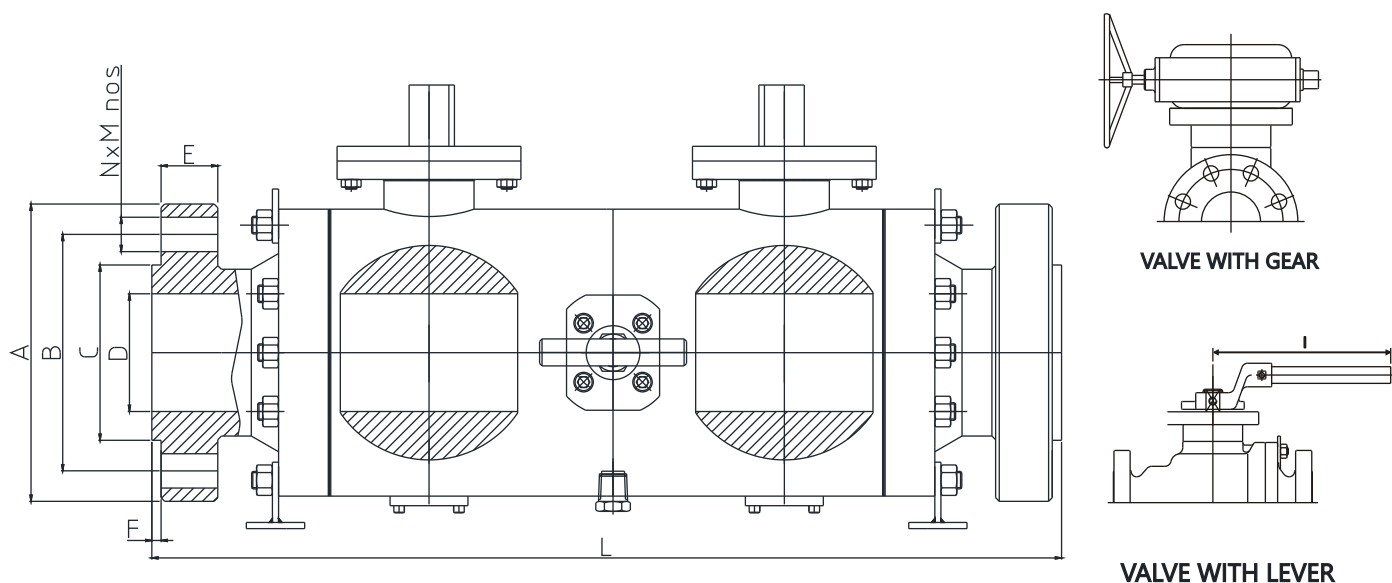
Full Bore Design - Flanged Ends

Size Inch	Type	A	B	C	D	E	F	N	M	I	L	Wt kg
1/2"	Floating	121.0	82.6	35.0	15.0	22.3	6.35	22.2	4	165	276	13.0
3/4"	Floating	130.0	88.9	42.9	20.0	25.4	6.35	22.2	4	180	287	16.0
1"	Floating	149.0	102.0	50.8	25.0	28.6	6.35	25.4	4	200	330	21.0
1-1/2"	Floating	178.0	124.0	73.2	38.0	31.8	7.0	28.6	4	300	400	46.0
2"	Floating	216.0	165.0	92.0	50.0	38.1	7.0	25.4	8	350	467	63.0
3"	Trunnion	265.0	203.2	127.0	75.0	47.7	7.0	31.8	8	-	700	170.0
4"	Trunnion	310.0	241.3	157.2	100.0	54.0	8.0	35.0	8	-	830	340.0
6"	Trunnion	395.0	317.5	216.0	144.0	82.6	9.5	38.1	12	-	1090	820.0
8"	Trunnion	485.0	393.7	270.0	192.0	92.1	11.1	44.5	12	-	1350	1400.0

Reduced Bore Design - Flanged Ends

Size Inch	Type	A	B	C	D	E	F	N	M	I	L	Wt kg
3/4"x1/2"	Floating	130.0	88.9	42.9	15.0	25.4	6.35	22.2	4	180	282	16.0
1"x3/4"	Floating	149.0	102.0	50.8	20.0	28.6	6.35	25.4	4	200	295	19.0
1-1/2"x1"	Floating	178.0	124.0	73.2	25.0	31.8	7.0	28.6	4	300	340	28.0
2"x1-1/2"	Floating	216.0	165.0	92.0	38.0	38.1	7.0	25.4	8	350	415	55.0
3"x2"	Trunnion	265.0	203.2	127.0	50.0	47.7	7.0	31.8	8	-	445	80.0
4"x3"	Trunnion	310.0	241.3	157.2	75.0	54.0	8.0	35.0	8	-	740	210.0
6"x4"	Trunnion	395.0	317.5	216.0	100.0	82.6	9.5	38.1	12	-	900	430.0
8"x6"	Trunnion	485.0	393.7	270.0	150.0	92.1	11.1	44.5	12	-	1130	940.0

ASME CLASS 2500

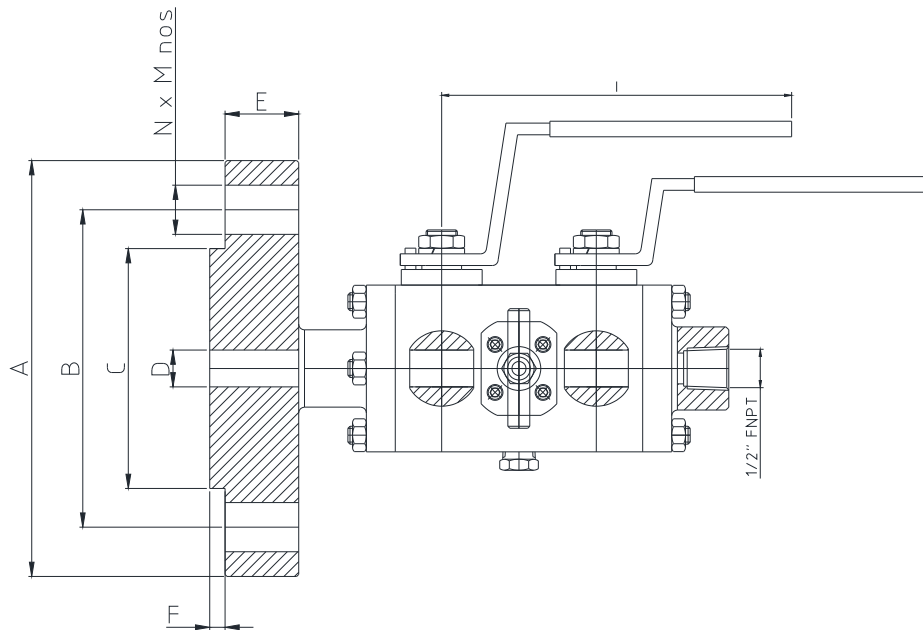


Full Bore Design - Flanged Ends

Size Inch	Type	A	B	C	D	E	F	N	M	I	L	Wt kg
1/2"	Floating	134.0	88.9	35.0	12.0	30.2	6.35	22.2	4	250	291	16.0
3/4"	Floating	140.0	95.2	42.9	16.0	31.8	6.35	22.2	4	250	300	19.0
1"	Floating	159.0	108.0	50.8	22.0	35.0	6.35	25.4	4	300	350	35.0
1-1/2"	Trunnion	203.0	156.0	73.2	32.0	44.5	7.0	31.8	4	400	565	90.0
2"	Trunnion	235.0	171.0	92.0	42.0	50.9	7.0	28.6	8	450	655	150.0
3"	Trunnion	305.0	228.6	127.0	62.0	66.7	9.5	35.0	8	-	870	340.0
4"	Trunnion	355.0	273.0	157.2	87.0	76.2	11.1	41.0	8	-	1000	660.0
6"	Trunnion	485.0	438.2	216.0	131.0	108.0	12.7	54.0	12	-	1330	1390.0
8"	Trunnion	550.0	438.2	270.0	179.0	127.0	14.3	54.0	12	-	1500	2480.0

Reduced Bore Design - Flanged Ends

Size Inch	Type	A	B	C	D	E	F	N	M	I	L	Wt kg
3/4"x1/2"	Floating	140.0	95.2	42.9	14.0	31.8	6.35	22.2	4	250	294	19.0
1"x3/4"	Floating	159.0	108.0	50.8	19.0	35.0	6.35	25.4	4	300	310	22.0
1-1/2"x1"	Trunnion	203.0	156.0	73.2	24.0	44.5	7.0	31.8	4	400	373	45.0
2"x1-1/2"	Trunnion	235.0	171.0	92.0	38.0	50.9	7.0	28.6	8	450	580	110.0
3"x2"	Trunnion	305.0	228.6	127.0	48.0	66.7	9.5	35.0	8	-	700	210.0
4"x3"	Trunnion	355.0	273.0	157.2	74.0	76.2	11.1	41.0	8	-	900	440.0
6"x4"	Trunnion	485.0	438.2	216.0	92.0	108.0	12.7	54.0	12	-	1080	800.0
8"x6"	Trunnion	550.0	438.2	270.0	142.0	127.0	14.3	54.0	12	-	1400	1750.0



Class 150# Flanged Inlet - 1/2" Female NPT Outlet

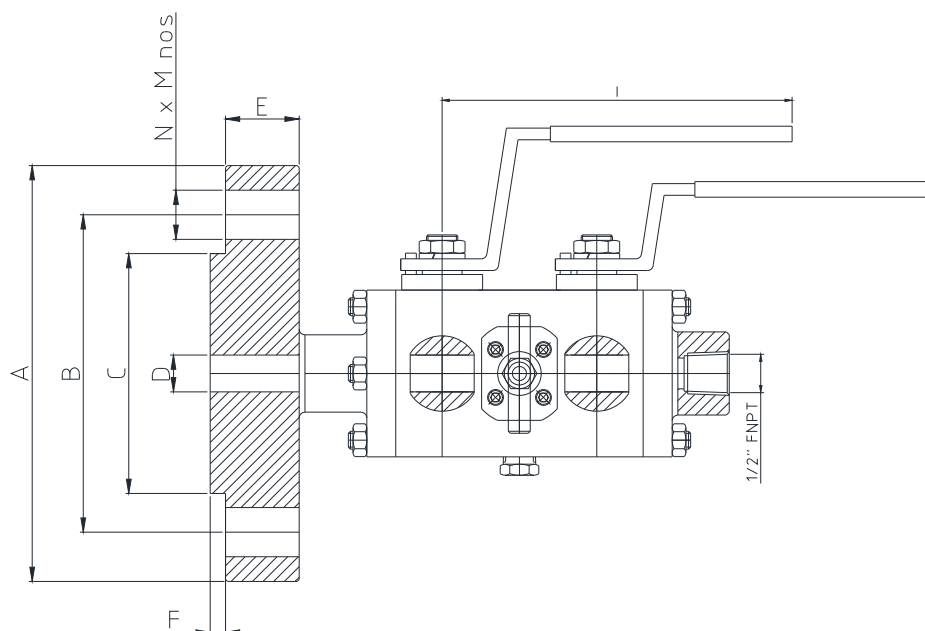
Size Inch	Type	A	B	C	D	E	F	N	M	I	L	Wt kg
1/2"	Floating	88.9	60.5	35.0	14.0	9.6	2.0	15.7	4	135	178	8.0
3/4"	Floating	98.6	69.8	42.9	14.0	11.2	2.0	15.7	4	135	180	8.5
1"	Floating	108	79.2	50.8	14.0	12.7	2.0	15.7	4	135	187	10.0
1-1/2"	Floating	127	98.6	73.2	14.0	15.9	2.0	15.7	4	135	189	13.0
2"	Floating	152	121	92.0	14.0	17.5	2.0	19.0	4	135	191	16.0
3"	Floating	190	152.4	127.0	14.0	22.3	2.0	19.0	4	135	201	21.0

Class 300# Flanged Inlet - 1/2" Female NPT Outlet

Size Inch	Type	A	B	C	D	E	F	N	M	I	L	Wt kg
1/2"	Floating	95.2	66.5	35.0	14.0	12.7	2.0	15.7	4	150	185	8.5
3/4"	Floating	117.0	82.6	42.9	14.0	14.3	2.0	19.0	4	150	188	9.0
1"	Floating	124.0	88.9	50.8	14.0	15.9	2.0	19.0	4	150	190	10.5
1-1/2"	Floating	155.0	114.0	73.2	14.0	19.1	2.0	22.2	4	150	193	13.5
2"	Floating	165	127	92.0	14.0	20.7	2.0	19.0	8	150	196	17.0
3"	Floating	210.0	168.3	127.0	14.0	27.0	2.0	22.2	8	150	203	22.5

Class 600# Flanged Inlet - 1/2" Female NPT Outlet

Size Inch	Type	A	B	C	D	E	F	N	M	I	L	Wt kg
1/2"	Floating	95.2	66.5	35.0	14.0	14.3	6.35	15.7	4	180	187	9.0
3/4"	Floating	117.0	82.6	42.9	14.0	15.9	6.35	19.0	4	180	189	9.5
1"	Floating	124.0	88.9	50.8	14.0	17.5	6.35	19.0	4	180	191	11.0
1-1/2"	Floating	155.0	114.0	73.2	14.0	22.3	6.35	22.2	4	180	196	14.0
2"	Floating	165.0	127.0	92.0	14.0	25.4	7.0	19.0	8	180	200	18.0
3"	Floating	210.0	168.3	127.0	14.0	31.8	7.0	22.2	8	180	207	24.0



Class 900# Flanged Inlet - 1/2" Female NPT Outlet

Size Inch	Type	A	B	C	D	E	F	N	M	I	L	Wt kg
1/2"	Floating	121.0	82.6	35.0	14.0	22.3	6.35	22.2	4	200	221	11.0
3/4"	Floating	130.0	88.9	42.9	14.0	25.4	6.35	22.2	4	200	224	12.0
1"	Floating	149.0	102.0	50.8	14.0	28.6	6.35	25.4	4	200	231	13.0
1-1/2"	Floating	178.0	124.0	73.2	14.0	31.8	7.0	28.6	4	200	235	17.0
2"	Floating	216.0	165.0	92.0	14.0	38.1	7.0	25.4	8	200	240	22.0
3"	Floating	240.0	190.5	127.0	14.0	38.1	7.0	25.4	8	200	245	30.0

Class 1500# Flanged Inlet - 1/2" Female NPT Outlet

Size Inch	Type	A	B	C	D	E	F	N	M	I	L	Wt kg
1/2"	Floating	121.0	82.6	35.0	14.0	22.3	6.35	22.2	4	220	221	11.0
3/4"	Floating	130.0	88.9	42.9	14.0	25.4	6.35	22.2	4	220	224	12.0
1"	Floating	149.0	102.0	50.8	14.0	28.6	6.35	25.4	4	220	231	13.0
1-1/2"	Floating	178.0	124.0	73.2	14.0	31.8	7.0	28.6	4	220	235	17.0
2"	Floating	216.0	165.0	92.0	14.0	38.1	7.0	25.4	8	220	240	22.0
3"	Floating	265.0	203.2	127.0	14.0	47.7	7.0	31.8	8	220	255	30.0

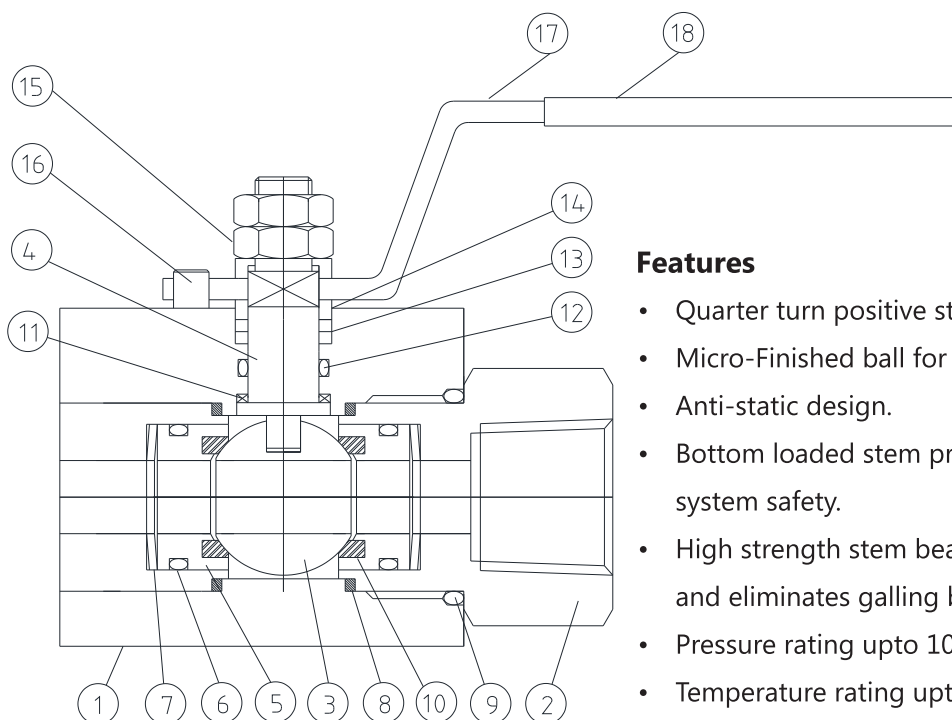
Class 2500# Flanged Inlet - 1/2" Female NPT Outlet

Size Inch	Type	A	B	C	D	E	F	N	M	I	L	Wt kg
1/2"	Floating	134.0	88.9	35.0	14.0	30.2	6.35	22.2	4	250	228	13.0
3/4"	Floating	140.0	95.2	42.9	14.0	31.8	6.35	22.2	4	250	230	14.0
1"	Floating	159.0	108.0	50.8	14.0	35.0	6.35	25.4	4	250	234	15.0
1-1/2"	Floating	203.0	156.0	73.2	14.0	44.5	7.0	31.8	4	250	245	20.0
2"	Floating	235.0	171.0	92.0	14.0	50.9	7.0	28.6	8	250	253	27.0
3"	Floating	305.0	228.6	127.0	14.0	66.7	9.5	35.0	8	250	270	41.0



FEATURES

- Compact ball valve/needle valve and OS&Y assembly in one DBB.
- Working pressure up to 10,000 Psig (690 Bar).
- Every valve is subject to a pressure test in accordance with the standard API 598 or BS 6755 part 1.
- NPT Threaded connection to ANSI/ASME B1.20.1.
- Pressure rating as per ASME B16.34 Class 150 thru 2500.
- Anti-Static device is set between the stem and ball.
- Fire tested as per BS6755 part 2/API 607, 6FA.
- Wetted components of sour gas service valve are selected as per requirements of NACE MR01-75/ISO 15156.
- Flange construction as per the requirement of ASME B16.5. Flange connections comply with EN 1092-1 are also available upon request.
- Reduced potential leak paths with primary & secondary isolation in one valve.

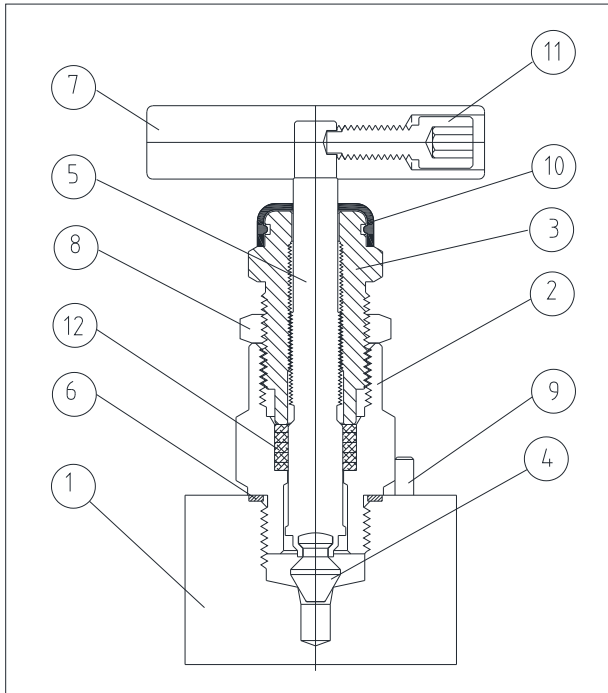


Features

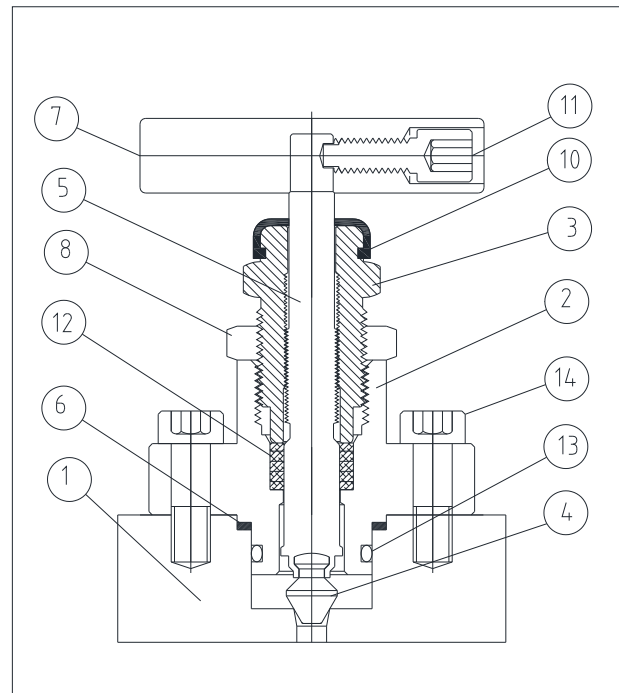
- Quarter turn positive stop handle with protective sleeve.
- Micro-Finished ball for long service life.
- Anti-static design.
- Bottom loaded stem prevents stem blowout and enhances system safety.
- High strength stem bearing provides smooth actuation and eliminates galling between valve stem and body.
- Pressure rating upto 10,000 psig (690 Bar).
- Temperature rating upto -65°F to 450°F (-54°C to 232°C)

P. No	Item Name	Material Of Construction			
1	Body	316SS	A105	DUPLEX	INCONEL 625
2	End Connector	316SS	A105	DUPLEX	INCONEL 625
3	Ball	316SS	A105	DUPLEX	INCONEL 625
4	Stem	316SS	316SS	DUPLEX	INCONEL 625
5	Seat Retainer	316SS	316SS	DUPLEX	INCONEL 625
6	Oring-seat Holder	SS316SS			
7	Disc Spring	Ss316			
8	Gasket	PTFE			
9	Body Seal	Viton			
10	Seat	PEEK			
11	Thrust Washer	PTFE			
12	Oring- stem	Viton			
13	Gland packing	PTFE			
14	Gland ring	316SS			
15	Lock Nut	316SS			
16	Stopper Pin	316SS			
17	Lever	316SS			
18	Sleeve	PVC			

SCREWED BONNET



BOLTED BONNET



Material of construction:

P. No	Item Name	Material Of Construction			
1	Body	316SS	A105	DUPLEX	INCONEL 625
2	Lower Bonnet	316SS	A105	DUPLEX	INCONEL 625
3	Packing Bolt	316SS	A105	DUPLEX	INCONEL 625
4	Stem Tip	316SS	316SS	DUPLEX	INCONEL 625
5	Stem	316SS	316SS	DUPLEX	INCONEL 625
6	Washer	316SS	316SS	DUPLEX	INCONEL 625
7	Handle	316SS			
8	Lock Nut	316SS			
9	Locking Pin	316SS			
10	Cap	PVC			
11	Screw	316SS			
12	Packing	PTFE Graphite			
13	Oring	Viton			
14	Allen Bolt	316SS			

Example: DBB05-1-D-12- 600- A- 8N-S- 4
 A B C D E F G H I

DBB- Double Block & Bleed Valve

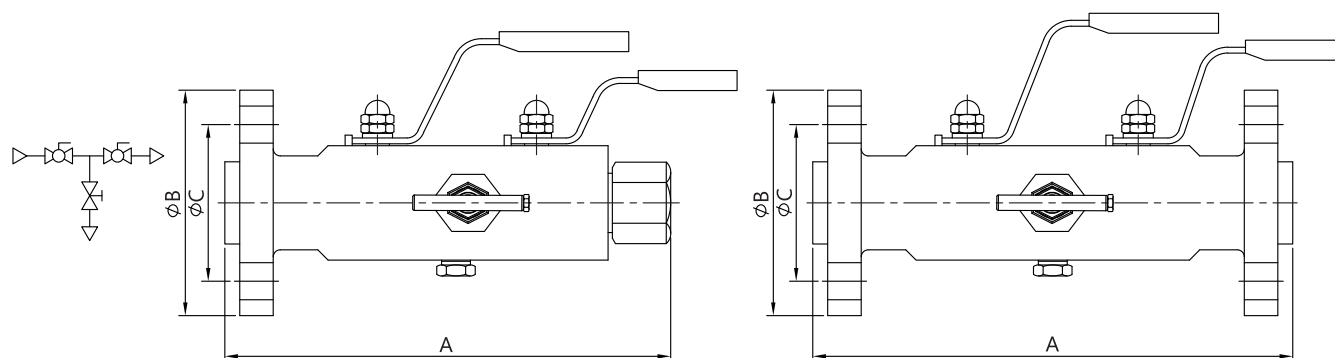
A. Valve Series 05 – Single Piece Forged Body 10FB – Three Piece Bolted Body Full Bore 10RB – Three Piece Bolted Body Reduce Bore	B. Bore Size <table><tr><th>Designator</th><th>Size</th></tr><tr><td>1</td><td>9.5 mm (3/8")</td></tr><tr><td>2</td><td>14 mm (1/2")</td></tr><tr><td>3</td><td>19 mm (3/4")</td></tr><tr><td>4</td><td>25 mm (1")</td></tr><tr><td>5</td><td>38 mm (1 ½")</td></tr><tr><td>6</td><td>42 mm (1 11/16")</td></tr><tr><td>7</td><td>50 mm (2")</td></tr></table>	Designator	Size	1	9.5 mm (3/8")	2	14 mm (1/2")	3	19 mm (3/4")	4	25 mm (1")	5	38 mm (1 ½")	6	42 mm (1 11/16")	7	50 mm (2")	C. Seats, Body Seals, Stem seal D – PEEK, Graphite, PTFE E – PEEK, PTFE, PTFE F – PEEK, VITON, PTFE														
Designator	Size																															
1	9.5 mm (3/8")																															
2	14 mm (1/2")																															
3	19 mm (3/4")																															
4	25 mm (1")																															
5	38 mm (1 ½")																															
6	42 mm (1 11/16")																															
7	50 mm (2")																															
D. Process Connection Flange Size <table><tr><th>Designator</th><th>Size</th></tr><tr><td>8</td><td>1/2</td></tr><tr><td>12</td><td>3/4</td></tr><tr><td>16</td><td>1</td></tr><tr><td>24</td><td>1 1/2</td></tr><tr><td>32</td><td>2</td></tr><tr><td>48</td><td>3</td></tr></table>	Designator	Size	8	1/2	12	3/4	16	1	24	1 1/2	32	2	48	3	E. ASME Class Rating <table><tr><th colspan="2">Flange Class</th></tr><tr><th>Designator</th><th>Class Rating</th></tr><tr><td>150</td><td>150</td></tr><tr><td>300</td><td>300</td></tr><tr><td>600</td><td>600</td></tr><tr><td>900</td><td>900</td></tr><tr><td>1500</td><td>1500</td></tr><tr><td>2500</td><td>2500</td></tr></table>	Flange Class		Designator	Class Rating	150	150	300	300	600	600	900	900	1500	1500	2500	2500	F. Process Outlet Connection Type A – Flange, RF Smooth B – Flange, Concentric Serrated C – Flange, RTJ
Designator	Size																															
8	1/2																															
12	3/4																															
16	1																															
24	1 1/2																															
32	2																															
48	3																															
Flange Class																																
Designator	Class Rating																															
150	150																															
300	300																															
600	600																															
900	900																															
1500	1500																															
2500	2500																															
G. Outlet Connection 8N – 1/2 Female NPT (9.5mm & 14mm Bore Only) 12N – 3/4 Female NPT (9.5mm & 14mm Bore Only) F – Flange (Same as Process)	H. Material S – SS316 C – Carbon Steel D – Duplex M – Monel I – Inconel	I. Bleed Connection 4 – ¼" Female NPT 8 – ½" Female NPT																														

DBB05 SERIES

10mm Bore

SINGLE PIECE FORGED

RAISED FACE (RF) FLANGE PROCESS CONNECTIONS
to 1/2in. Female NPT OUTLET CONNECTIONS.



SIZE	CLASS	DIMENSION (mm)					WEIGHT (Kg.)	
		A(RF)	A(RTJ)	A(FLANGE/NPT)	B	C	FLANGE	FLANGE/NPT
1/2	150	188	-	168	88.9	60.5	4.3	3.6
	300	188	193	168	95.2	66.5	5	3.9
	600	188	196	168	95.2	66.5	5.2	4
	900/1500	206	213	176	120.6	82.5	7.9	5
	2500	206	213	176	133.4	88.5	10.8	6
3/4	150	188	-	168	98.6	69.9	4.9	3.9
	300	188	196	168	117.3	82.5	6.3	4
	600	188	196	168	117.3	82.5	6.5	4.2
	900/1500	206	213	176	130	88.9	9.5	5.6
	2500	206	213	176	139.7	95.3	11	7.1
1	150	188	193	173	108	79.2	5	3.9
	300	190	195	173	124	88.9	6.3	4.3
	600	190	198	173	124	88.9	6.5	4.5
	900/1500	240	240	195	149.3	101.6	11.5	6.8
	2500	255	255	203	158.8	108	14.3	8.1
1-1/2	150	198	203	178	127	98.6	7	4.6
	300	218	218	185	155.4	114.3	10.1	6
	600	235	235	204	155.4	114.3	11	6.5
	900/1500	280	280	215	177.8	123.9	16.5	9.4
	2500	316	316	220	203.2	146.1	25.8	14
2	150	203	213	183	152.4	120.7	9.4	5.5
	300	223	228	190	165.1	127	12.8	6.8
	600	243	253	202	165.1	127	13.4	8.1
	900/1500	288	288	215	215.9	165.1	25.4	14
	2500	313	313	220	235	171.5	36.6	22

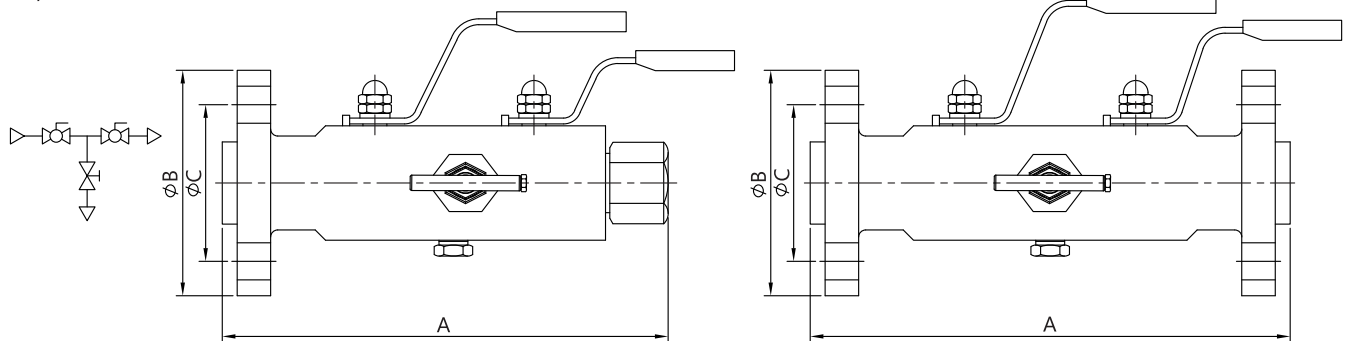
*DIMENSIONS ARE FOR REFERENCE ONLY AND ARE SUBJECT TO CHANGE

DBB05 SERIES

14mm Bore

SINGLE PIECE FORGED

RAISED FACE (RF) FLANGE PROCESS CONNECTIONS
to 1/2in. Female NPT OUTLET CONNECTIONS.

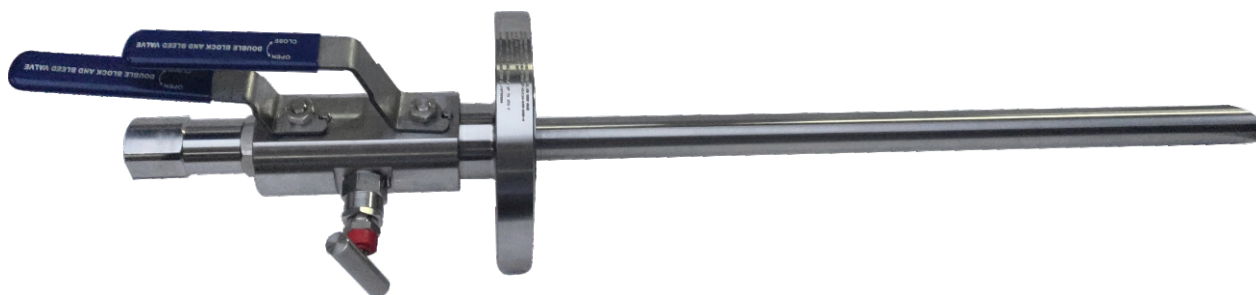


SIZE	CLASS	DIMENSION (mm)					FLANGE FLANGE/NPT	
		A(RF)	A(RTJ)	A(FLANGE/NPT)	B	C		
1	150	231	231	197	108	79.2	7.7	3.9
	300	241	241	197	124	88.9	8.8	4.3
	600	241	241	203	124	88.9	8.8	4.5
	900/1500	261	261	203	149.3	101.6	12.7	6.8
	2500	273	273	203	158.8	108	16.5	8.1
1-1/2	150	241	241	207	127	98.6	9.1	4.9
	300	251	251	207	155.4	114.3	12.3	6.4
	600	251	251	215	155.4	114.3	12.3	6.9
	900/1500	291	291	215	177.8	123.9	17.7	9.8
	2500	316	316	220	203.2	146.1	27	14
2	150	241	213	210	152.4	120.7	10.9	5.9
	300	261	241	210	165.1	127	14.1	7.5
	600	261	261	220	165.1	127	14.1	8.4
	900/1500	306	306	220	215.9	165.1	26.6	14
	2500	346	346	230	235	171.5	37.8	22.1

DBB05 SERIES

19mm Bore

SIZE	CLASS	DIMENSION (mm)				WEIGHT(KG)
		A(RF)	A(RTJ)	B	C	
1-1/2	150	253	253	127	98.6	9.8
	300	263	263	155.4	114.3	13
	600	263	263	155.4	114.3	13
	900/1500	303	303	177.8	123.9	18.4
	2500	328	328	203.2	146.1	27.7
2	150	253	253	152.4	127	11.7
	300	273	273	165.1	127	14.9
	600	273	273	165.1	127	14.9
	900/1500	318	318	215.9	165.1	27.4
	2500	358	358	235	171.5	38.6



In most modern applications there is often a requirement to take a sample of the process fluid or inject a particular chemical directly into the process stream at full operating pressures and temperatures.

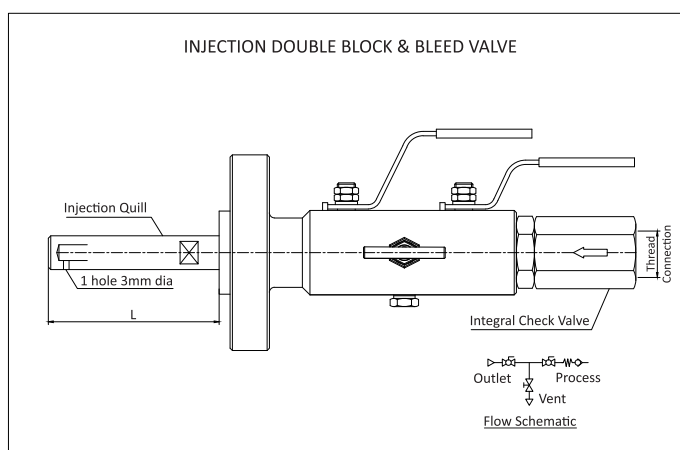
To meet this requirement then any of the YDB VALVES ranges of Double Block and Bleed Valves including one piece body DBB, Modular Type, Monoflange Valves and Manifold Valves can be fitted with either an Injection Quill or Sampling Probe whilst retaining the wide choice of options available in each range.

Probes and Quills extend into the process medium and are designed to meet the individual application requirements. Units can be fitted with an Integral Check Valve to prevent back flow into the process stream.

Injection Quills

In many applications there is a need to inject chemicals such as de-waxing, de-icing or de-foaming agents into the process stream to facilitate a free flow of the process media.

Using the primary and secondary isolation valves the required chemical is injected directly into the process stream. It is usual for Injection Valves to be fitted with a non-return check valve that only opens when chemicals are injected into the process line thus preventing back flow out of the process stream.



The Injection Quill length (L) is manufactured to suit customer requirements.
The Injection Nozzle is a 3mm diameter hole and other options available

Non Return Valve

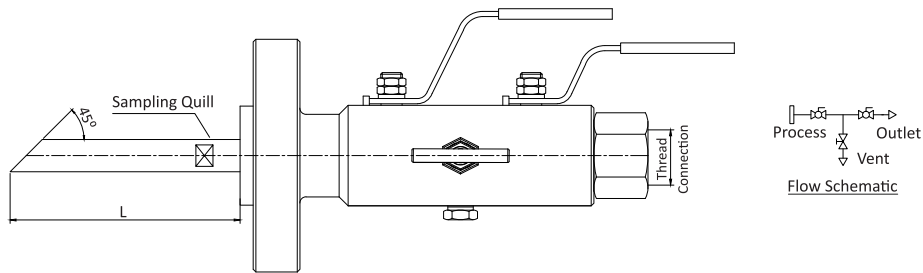
A high integrity full bore non-return valve, which can be fitted internally or externally, eliminates the risk of back flow into or out of the process stream. The design uses a spring loaded poppet to ensure leak proof performance and has standard cracking pressure of 10 psig although other cracking pressures can be supplied.

Typically the need would be to allow a small process sample to be removed for evaluation under full system pressure.

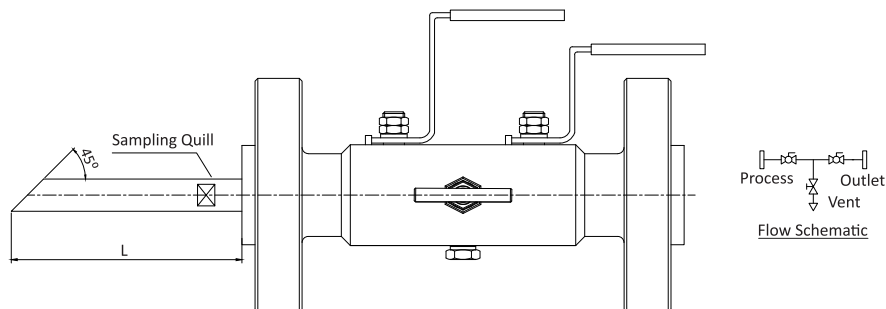
Usually this is achieved by opening and closing of the primary isolation valve thus trapping a sample of the process fluid between the primary and secondary isolation valves. Using the vent valve this sample can then be safely vented off at reduced pressure.

Alternatively if larger samples are required then this can be achieved by use of the primary and secondary isolation valves with an optional Non Return Check Valve being fitted to prevent back flow into the process stream.

SAMPLING DOUBLE BLOCK & BLEED VALVE



SAMPLING DOUBLE BLOCK & BLEED VALVE



Construction

The Outlet flange and the probe can be made from a single one piece forging or from forged barstock. The Quill/ Probe is manufactured from forged barstock which is then screwed and torqued into the outlet flange. If required the probe can also be seam welded to provide added strength.

Bore

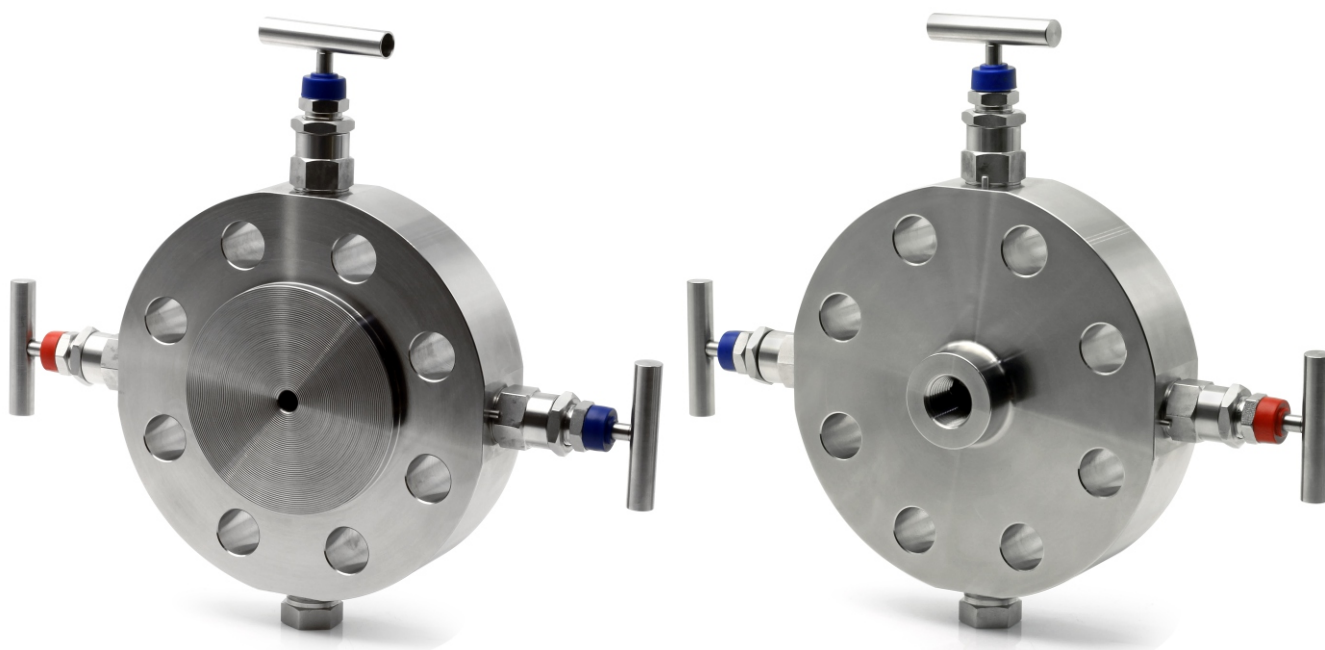
Bore sizes are determined by the through bore of the DBB valve that have 10mm, 14mm and 19mm as standard. Other options are available kindly contact YDB VALVES.

Materials

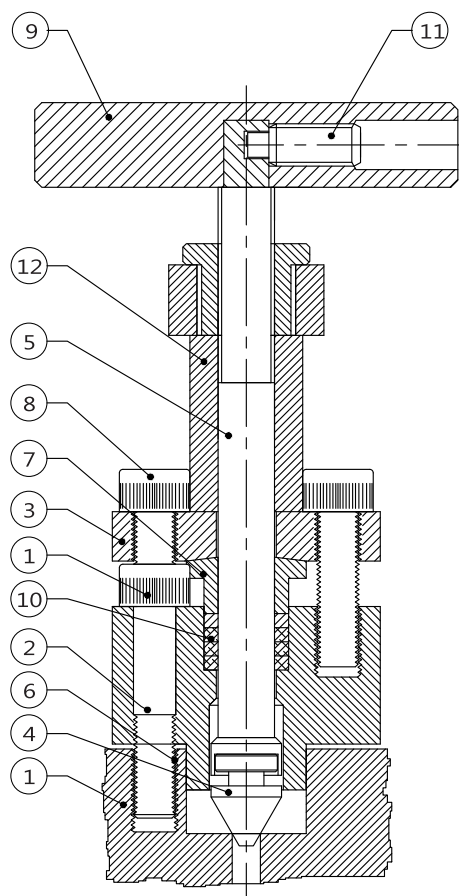
Quill / probes are usually manufactured special to order and such are available in a full range of materials including 316SS, SS316L, LF2 Carbon Steel, A105 Carbon Steel, Duplex, Super Duplex, Hastelloy, 6 Mo, Monel, Inconel, Titanium etc

Quill Profiles

The profile of the end of the quill / probe can be manufactured to suit the application. Typically on sampling probes the end will be cut at 45 degrees to face the oncoming process stream whereas on injection quills the ends are usually sealed except for a small outlet hole as defined by the user.



- Compact Block, Block and Bleed assemblies with minimal potential leak points.
- Compatible with ASME B16.5 Flange Connections from 1/2 inch to 2 inch (DN 15 to DN 50).
- ANSI B16.5 150 to 2500 flange class and API 10000. Combined needle and OS&Y valves available.
- Raised face and ring type joint flange face styles.
- One piece forged construction flange as standard.
- 4mm Needle valve orifice standard and for bigger orifice please contact us.
- Anti-blow out valve stem.
- Fire safe designed to meet BS 6755 part 2/API 607 NACE MR 0175/ISO 15156 compliant material available.
- Standard material of construction: SS316, SS316L, Carbon steel, A105, Duplex.
- Optional material: Super Duplex, Inconel, Hastelloy, 6Mo, Monel.



Features

- Investment case yoke is formed by precision casting which enhances strength and perfect stem alignment.
- Standard non-rotating free swivel stem tip.
- Upper stem thread lubricant is isolated from system fluid.
- Non-rotating lower stem avoid galling damage to the seat and tip, as well as reduces the total friction area between the packing and lower stem.
- Back seating design provides secondary stem sealing and prevents stem blowout.
- Adjustable gland flange allows packing adjustment.
- Stem packing below thread design prevent media contamination and thread lubrication washout.
- Pressure rating upto 10,000 psig (690 Bar)
- Temperature rating are as follows:
PTFE: -65°F to 450°F (-54°C to 232°C)
Graphite: -65°F to 1200°F (-54°C to 649°C)

Material of construction:

No.	Component	Material of Constructions			
		SS316 / SS316L	Carbon Steel A105	Duplex	Inconel 625
1	Body	SS316 / SS316L	Carbon Steel A105	Duplex	Inconel 625
2	Bolted Bonnet	SS316 / SS316L	Carbon Steel A105	Duplex	Inconel 625
3	Adjustable Gland Flange	SS316 / SS316L	Carbon Steel A105	Duplex	Inconel 625
4	Stem Tip	SS316 / SS316L	SS316 / SS316L	Duplex	Inconel 625
5	Stem	SS316 / SS316L	SS316 / SS316L	Duplex	Inconel 625
6	Washer	SS316 / SS316L	SS316 / SS316L	Duplex	Inconel 625
7	Investment Cast Yoke	SS316 / SS316L	Carbon Steel A105	Duplex	Inconel 625
8	Packing Gland	SS316 / SS316L	Carbon Steel A105	Duplex	Inconel 625
9	Bolt	SS316	Carbon Steel A105	SS316	SS316
10	Packing	PTFE / Graphite	PTFE/Graphite	PTFE/Graphite	PTFE/Graphite
11	Set Screw	SS316	Carbon Steel A105	SS316	SS316
12	Handle	SS316	Carbon Steel A105	SS316	SS316

ORDERING INFORMATION:



Example: MFV25N-24-600-A-8N-S-S-P-4-NR
A B C D E F G H I

MFV - Monoflange Valve

MFV05 Series –Single Block

Flange to 1/2" NPTF

Isolate : OS&Y or Needle

Designators	Isolate	Intermediate Ordering #
Y	OS&Y	MFV05Y
N	Needle	MFV05N

MFV10 Series – Block & Bleed

Flange to 1/2" NPTF

Isolate : OS&Y or Needle

Bleed : OS&Y or Needle

Designators	Isolate	Bleed	Intermediate Ordering #
Y	OS&Y	OS&Y	MFV10Y
N	Needle	Needle	MFV10N
D	OS&Y	Needle	MFV10D

MFV15 Series – Block & Block

Flange to 1/2" NPTF

Primary Isolate : OS&Y or Needle

Secondary Isolate : Needle

Designators	Primary Isolate	Secondary Isolate	Intermediate Ordering #
Y	OS&Y	OS&Y	MFV15Y
N	Needle	Needle	MFV15N
D	OS&Y	Needle	MFV15D

MFV20 Series – Block Bleed Block

Flange to 1/2" NPTF

Primary Isolate : OS&Y or Needle

Bleed : Needle

Secondary Isolate : OS&Y or Needle

Designators	Primary Isolate	Bleed	Secondary Isolate	Intermediate Ordering #
Y	OS&Y	Needle	OS&Y	MFV20Y
N	Needle	Needle	Needle	MFV20N
D	OS&Y	Needle	OS&Y	MFV20D

MFV25 Series – Block Block Bleed

Flange to 1/2" NPTF

Primary Isolate : OS&Y or Needle

Bleed : Needle

Secondary Isolate : OS&Y or Needle

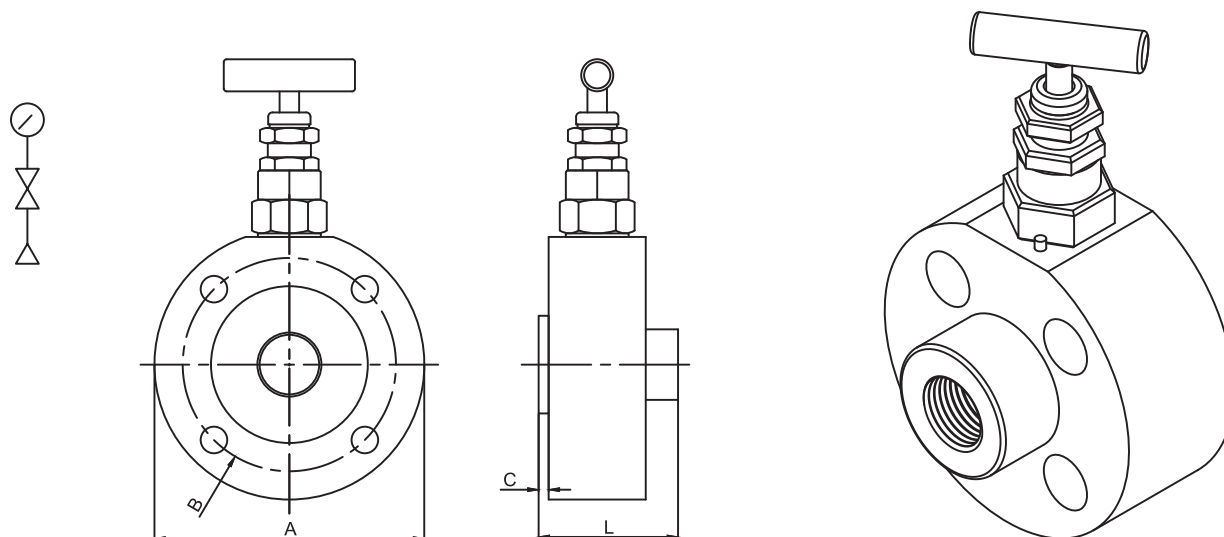
Designators	Primary Isolate	Bleed	Secondary Isolate	Intermediate Ordering #
Y	OS&Y	Needle	OS&Y	MFV25Y
N	Needle	Needle	Needle	MFV25N
D	OS&Y	Needle	OS&Y	MFV25D

Example: MFV25N-24-600-A-8N-S-S-P-4-NR
 A B C D E F G H I

MFV - Monoflange Valve

A.Process Connection Size <table><tr><th colspan="2">Flange Size</th></tr><tr><th>Designator</th><th>Size</th></tr><tr><td>8</td><td>1/2</td></tr><tr><td>12</td><td>3/4</td></tr><tr><td>16</td><td>1</td></tr><tr><td>24</td><td>1- 1/2</td></tr><tr><td>32</td><td>2</td></tr></table>	Flange Size		Designator	Size	8	1/2	12	3/4	16	1	24	1- 1/2	32	2	B. Class Rating <table><tr><th>Designator</th><th>Size</th></tr><tr><td>150</td><td>150</td></tr><tr><td>300</td><td>300</td></tr><tr><td>600</td><td>600</td></tr><tr><td>900</td><td>900</td></tr><tr><td>1500</td><td>1500</td></tr><tr><td>2500</td><td>2500</td></tr></table>	Designator	Size	150	150	300	300	600	600	900	900	1500	1500	2500	2500	C. Process Connection Type A – Flange, RF Smooth B – Flange, Concentric Serrated C – Flange, RTJ
Flange Size																														
Designator	Size																													
8	1/2																													
12	3/4																													
16	1																													
24	1- 1/2																													
32	2																													
Designator	Size																													
150	150																													
300	300																													
600	600																													
900	900																													
1500	1500																													
2500	2500																													
D. Outlet Connection 8N – 1/2 Female NPT 12N – 3/4 Female NPT F – Flange	E – Body Material S – SS316 C – Carbon Steel D – Duplex M – Monel I – Inconel	F – Trim Material S – SS316 C – Carbon Steel D – Duplex M – Monel I – Inconel																												
G – Packing Material P – PTFE G – Graphite RP – Reinforced PTFE F – Flange (Same as Process)	H – Vent ¼ Female NPT – 4 ½ Female NPT - 8	I- Trim type NR- Non Rotating																												

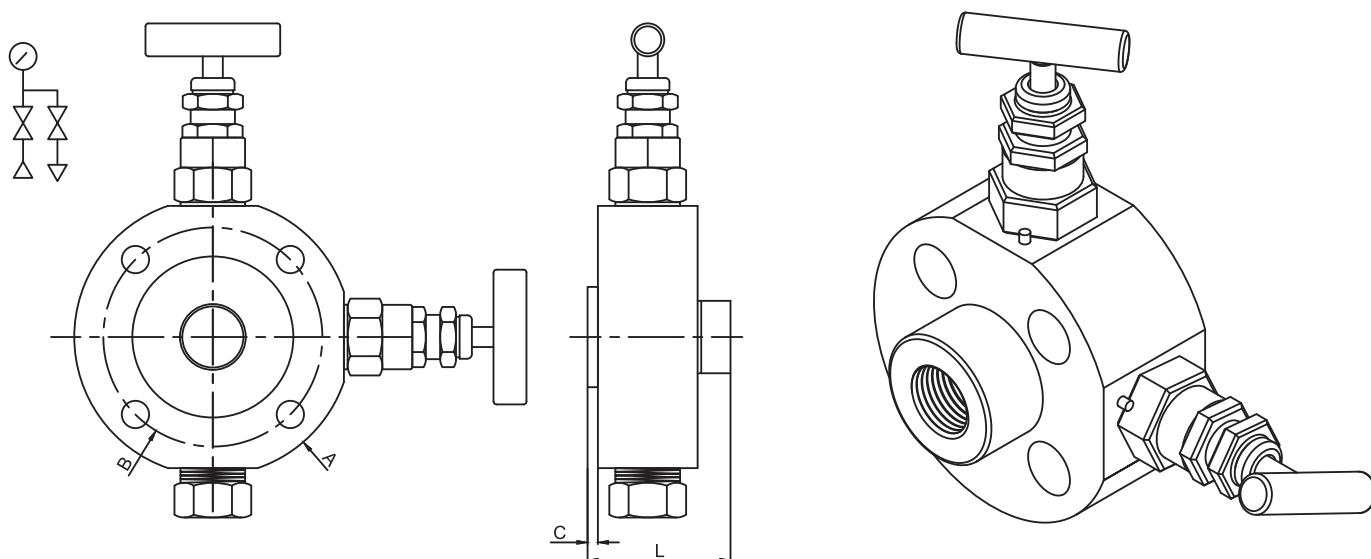
MONOFLANGE SINGLE BLOCK - MFV05 SERIES



SIZE	CLASS	DIMENSION			
		A	B	C	L
1/2	150	88.90	60.45	1.59	60.00
	300	95.25	66.55	1.59	60.00
	600	95.25	66.55	6.35	60.00
	900/1500	120.65	82.55	6.35	60.00
	2500	133.35	88.90	6.35	60.00
3/4	150	98.55	69.85	1.59	60.00
	300	117.35	82.55	1.59	60.00
	600	117.35	82.55	6.35	60.00
	900/1500	130.05	88.90	6.35	60.00
	2500	139.70	95.25	6.35	60.00
1	150	107.95	79.25	1.59	60.00
	300	123.95	88.90	1.59	60.00
	600	123.95	88.90	6.35	60.00
	900/1500	149.35	101.60	6.35	67.00
	2500	158.75	107.95	6.35	67.00
1-1/2	150	127.00	98.55	1.59	67.00
	300	155.45	114.30	1.59	67.00
	600	155.45	114.30	6.35	67.00
	900/1500	177.80	123.95	6.35	74.00
	2500	203.20	146.05	6.35	80.00
2	150	152.40	120.65	1.59	60.00
	300	165.10	127.00	1.59	60.00
	600	165.10	127.00	6.35	60.00
	900/1500	215.90	165.10	6.35	67.00
	2500	234.95	171.45	6.35	80.00

*DIMENSIONS ARE FOR REFERENCE ONLY AND ARE SUBJECT TO CHANGE

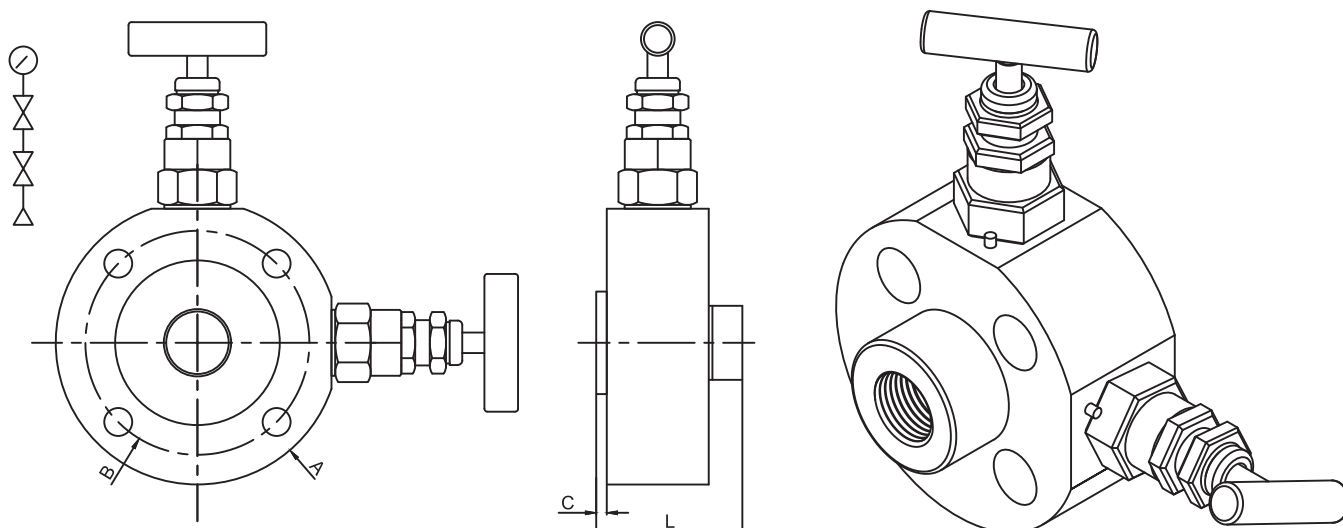
MONOFLANGE SINGLE BLOCK & BLEED - MFV10 SERIES



SIZE	CLASS	DIMENSION			
		A	B	C	L
1/2	150	88.90	60.45	1.59	60.00
	300	95.25	66.55	1.59	60.00
	600	95.25	66.55	6.35	60.00
	900/1500	120.65	82.55	6.35	60.00
	2500	133.35	88.90	6.35	60.00
3/4	150	98.55	69.85	1.59	60.00
	300	117.35	82.55	1.59	60.00
	600	117.35	82.55	6.35	60.00
	900/1500	130.05	88.90	6.35	60.00
	2500	139.70	95.25	6.35	60.00
1	150	107.95	79.25	1.59	60.00
	300	123.95	88.90	1.59	60.00
	600	123.95	88.90	6.35	60.00
	900/1500	149.35	101.60	6.35	67.00
	2500	158.75	107.95	6.35	67.00
1-1/2	150	127.00	98.55	1.59	67.00
	300	155.45	114.30	1.59	67.00
	600	155.45	114.30	6.35	67.00
	900/1500	177.80	123.95	6.35	74.00
	2500	203.20	146.05	6.35	80.00
2	150	152.40	120.65	1.59	60.00
	300	165.10	127.00	1.59	60.00
	600	165.10	127.00	6.35	60.00
	900/1500	215.90	165.10	6.35	67.00
	2500	234.95	171.45	6.35	80.00

*DIMENSIONS ARE FOR REFERENCE ONLY AND ARE SUBJECT TO CHANGE

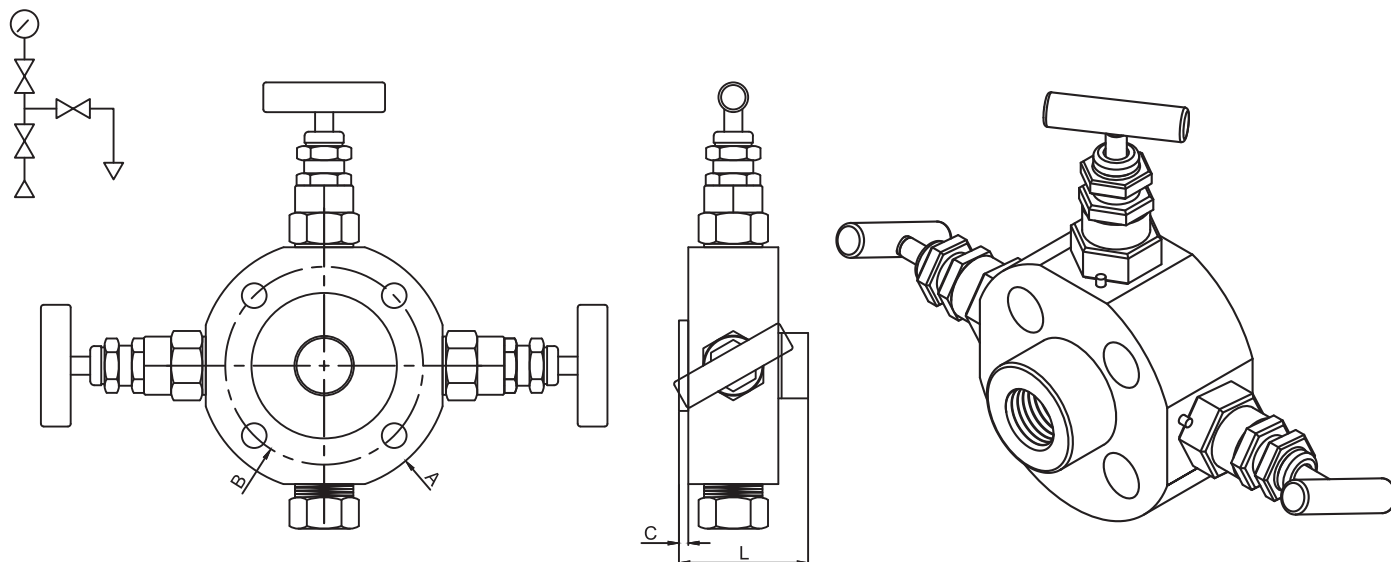
MONOFLANGE DOUBLE BLOCK - MFV15 SERIES



SIZE	CLASS	DIMENSION			
		A	B	C	L
1/2	150	88.90	60.45	1.59	60.00
	300	95.25	66.55	1.59	60.00
	600	95.25	66.55	6.35	60.00
	900/1500	120.65	82.55	6.35	60.00
	2500	133.35	88.90	6.35	60.00
3/4	150	98.55	69.85	1.59	60.00
	300	117.35	82.55	1.59	60.00
	600	117.35	82.55	6.35	60.00
	900/1500	130.05	88.90	6.35	60.00
	2500	139.70	95.25	6.35	60.00
1	150	107.95	79.25	1.59	60.00
	300	123.95	88.90	1.59	60.00
	600	123.95	88.90	6.35	60.00
	900/1500	149.35	101.60	6.35	67.00
	2500	158.75	107.95	6.35	67.00
1-1/2	150	127.00	98.55	1.59	67.00
	300	155.45	114.30	1.59	67.00
	600	155.45	114.30	6.35	67.00
	900/1500	177.80	123.95	6.35	74.00
	2500	203.20	146.05	6.35	80.00
2	150	152.40	120.65	1.59	60.00
	300	165.10	127.00	1.59	60.00
	600	165.10	127.00	6.35	60.00
	900/1500	215.90	165.10	6.35	67.00
	2500	234.95	171.45	6.35	80.00

*DIMENSIONS ARE FOR REFERENCE ONLY AND ARE SUBJECT TO CHANGE

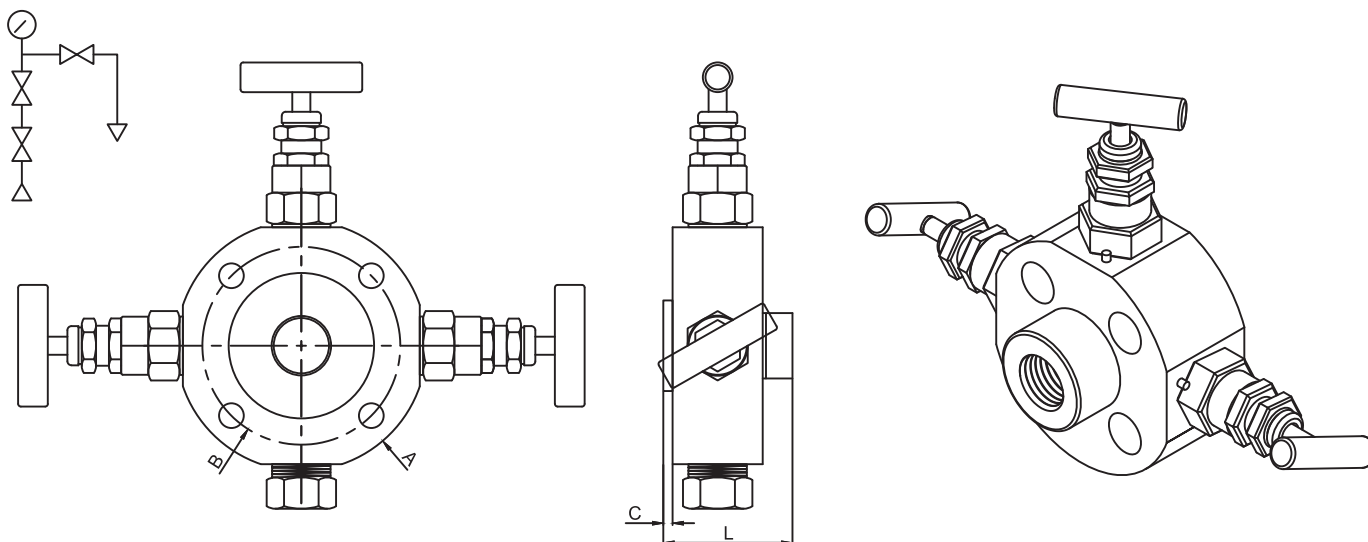
MONOFLANGE BLOCK BLEED BLOCK - MFV20 SERIES



SIZE	CLASS	DIMENSION			
		A	B	C	L
1/2	150	88.90	60.45	1.59	60.00
	300	95.25	66.55	1.59	60.00
	600	95.25	66.55	6.35	60.00
	900/1500	120.65	82.55	6.35	60.00
	2500	133.35	88.90	6.35	60.00
3/4	150	98.55	69.85	1.59	60.00
	300	117.35	82.55	1.59	60.00
	600	117.35	82.55	6.35	60.00
	900/1500	130.05	88.90	6.35	60.00
	2500	139.70	95.25	6.35	60.00
1	150	107.95	79.25	1.59	60.00
	300	123.95	88.90	1.59	60.00
	600	123.95	88.90	6.35	60.00
	900/1500	149.35	101.60	6.35	67.00
	2500	158.75	107.95	6.35	67.00
1-1/2	150	127.00	98.55	1.59	67.00
	300	155.45	114.30	1.59	67.00
	600	155.45	114.30	6.35	67.00
	900/1500	177.80	123.95	6.35	74.00
	2500	203.20	146.05	6.35	80.00
2	150	152.40	120.65	1.59	60.00
	300	165.10	127.00	1.59	60.00
	600	165.10	127.00	6.35	60.00
	900/1500	215.90	165.10	6.35	67.00
	2500	234.95	171.45	6.35	80.00

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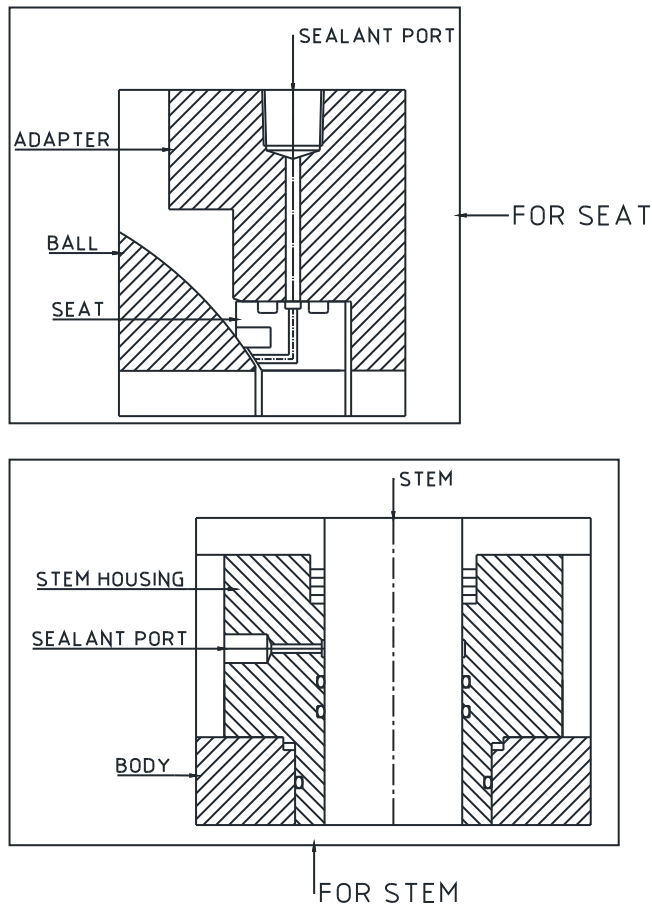
MONOFLANGE BLOCK BLOCK BLEED - MFV25 SERIES



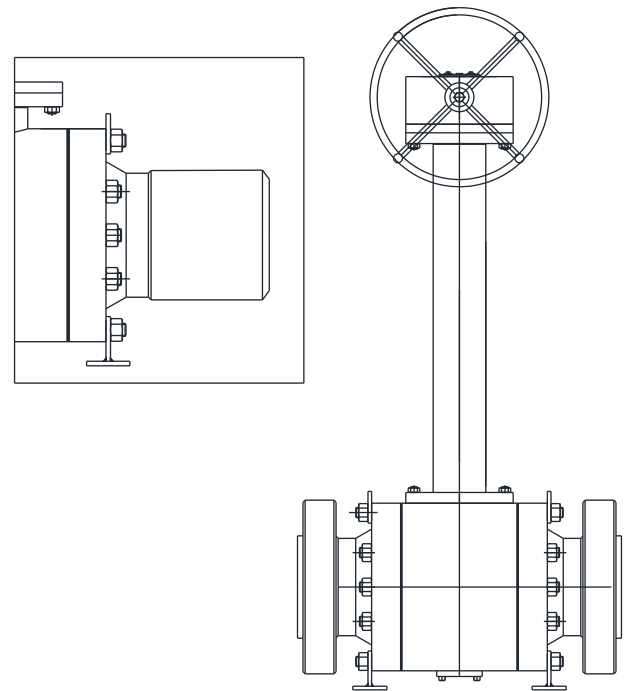
SIZE	CLASS	DIMENSION			
		A	B	C	L
1/2	150	88.90	60.45	1.59	60.00
	300	95.25	66.55	1.59	60.00
	600	95.25	66.55	6.35	60.00
	900/1500	120.65	82.55	6.35	60.00
	2500	133.35	88.90	6.35	60.00
3/4	150	98.55	69.85	1.59	60.00
	300	117.35	82.55	1.59	60.00
	600	117.35	82.55	6.35	60.00
	900/1500	130.05	88.90	6.35	60.00
	2500	139.70	95.25	6.35	60.00
1	150	107.95	79.25	1.59	60.00
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	2500	158.75	107.95	6.35	67.00
1-1/2	150	127.00	98.55	1.59	67.00
	300	155.45	114.30	1.59	67.00
	600	155.45	114.30	6.35	67.00
	900/1500	177.80	123.95	6.35	74.00
	2500	203.20	146.05	6.35	80.00
2	150	152.40	120.65	1.59	60.00
	300	165.10	127.00	1.59	60.00
	600	165.10	127.00	6.35	60.00
	900/1500	215.90	165.10	6.35	67.00
	2500	234.95	171.45	6.35	80.00

*DIMENSIONS ARE FOR REFERENCE ONLY AND ARE SUBJECT TO CHANGE

Sealant Injection System



Stem Extension / Extended Gear Operator

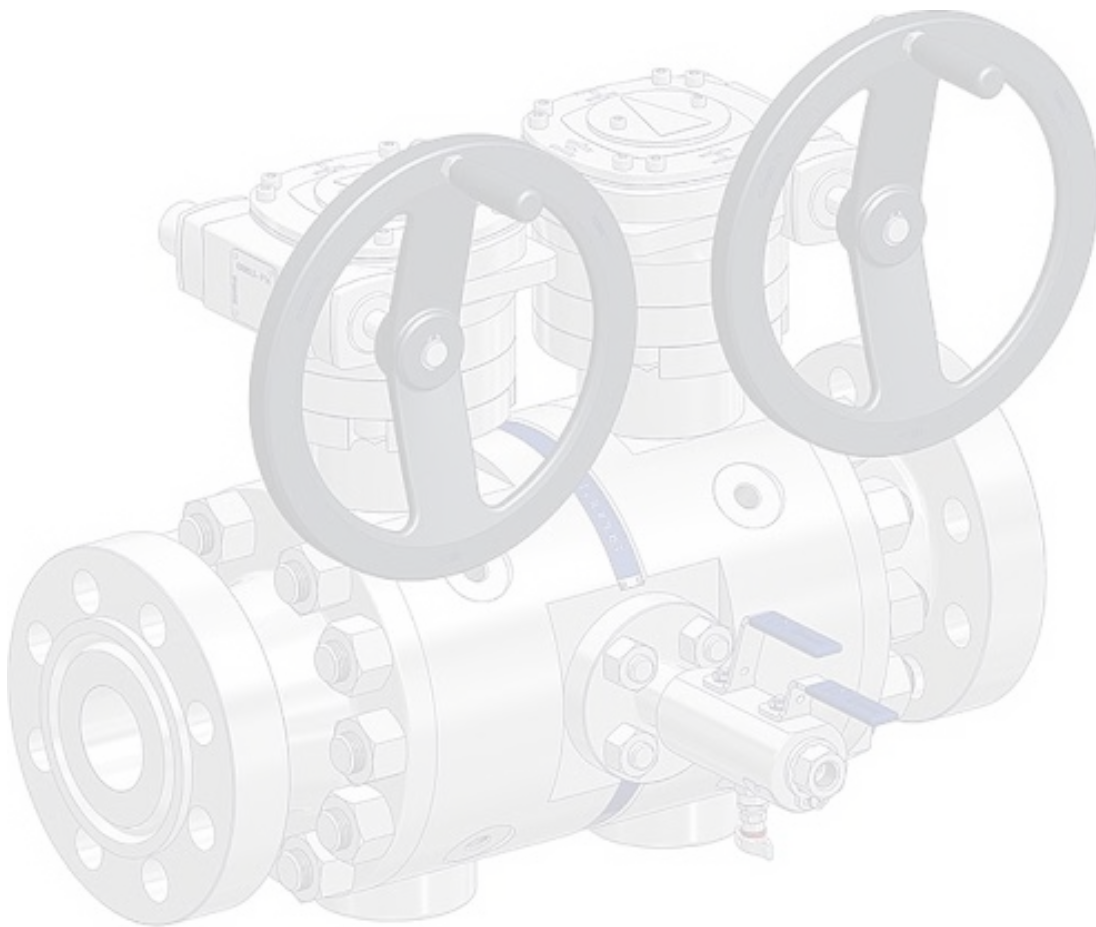


For stem sealing, additional gland security is available using stem sealant injection system. Similarly in the event of seat face damage due to contamination, an emergency seal can be formed using a seat sealant injection facility.

Valve can be offered with stem, bleed & sealant injections extension when used for underground installations. Also available for butt weld valves are transition pieces (PUPS) to avoid any risk of seal damage during installations.

Notice:

1. The descriptions of all the products contained in this catalogue are general in nature and the products are subjective to YDB's Standard warranty and other terms and conditions as contained in the applicable contract for such products.
2. We reserve the right to change or modify product design or construct without notice and without any obligation to make such modification / change on products previously or subsequently sold.
3. 'YDB VALVES' is a trademark of YDB Valves LLP.
4. All YDB Valves are designed and manufacture using good workmanship and materials and they meet all applicable industry standard. YDB is very anxious to avoid injuries and property damage that might result from application of the product proper valve selection for a given application is imperative. examples of misapplication or misuse of a valve include but are not limited to any service or application in which the pressure-temperature rating is exceeded or in a chemical service that is incompatible with valve materials, use of undersized valve and actuator, use of extremely fast valve application and /or continuous valve cycling on standard valves, making modification to the product in any kind, failure to use caution in operating a high temperature, high pressure or high hazardous services and failure to maintain valves as a recommended.





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