



BALL VALVES

Innovations designed
to improve operations
profitability



www.ydbvalves.com

A large industrial facility, likely a refinery or chemical plant, with several tall distillation columns and complex piping. The scene is set against a sunset sky with warm orange and pink hues. A blue semi-transparent banner is overlaid on the bottom half of the image.

About us

At YDB VALVES LLP, We are proud to be a leading manufacturer of high-quality ball valves, trusted by industries worldwide for our commitment to excellence, innovation and reliability. With years of expertise in valve engineering, we have established ourselves as a key player in the industry, known for delivering superior products that meet the rigorous demands of various applications.

Our Ball valves are designed with precision and manufactured using the finest materials to ensure durability, efficiency and long- lasting performance. Whether it's for the oil and gas sector, chemical processing, water treatment, or any other industrial application, our valves are built to withstand extreme conditions and deliver optimal flow control.

We are dedicated to continuous improvement, leveraging advanced technology and engineering practices to produce valves that exceed industry standards. Our team of skilled engineers and technicians work closely with our clients to understand their specific needs, providing customized solutions that perfectly fit their requirements.

Customer satisfaction is at the heart of our business. We are committed to offering exceptional service, from the initial consultation through to after-sales support. Our global network ensures that we can respond quickly to our customers' needs, providing timely delivery and expert advice.

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

Size Range available

BORE	ASME class	SIZE (Inch/mm)																	
		2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	30"	36"	40"	42"	48"	56"
		50	80	100	150	200	250	300	350	400	450	500	600	750	900	1000	1050	1200	1400
FULL	150#	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	300#	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	600#	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	900#	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
	1500#	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						
	2500#	✓	✓	✓	✓	✓	✓	✓											
REDUCED	150#	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	300#	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	600#	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	900#	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
	1500#	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓						
	2500#	✓	✓	✓	✓	✓	✓	✓											

22", 26", 28", 32", and 34" Valves are also available against specific request

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 Ball 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.



NITROGEN GAS TESTING 15000 PSI

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



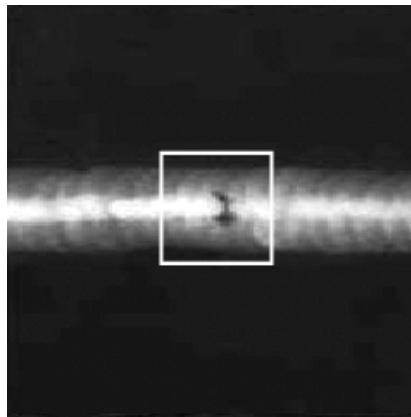
HARDNESS TESTING



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.



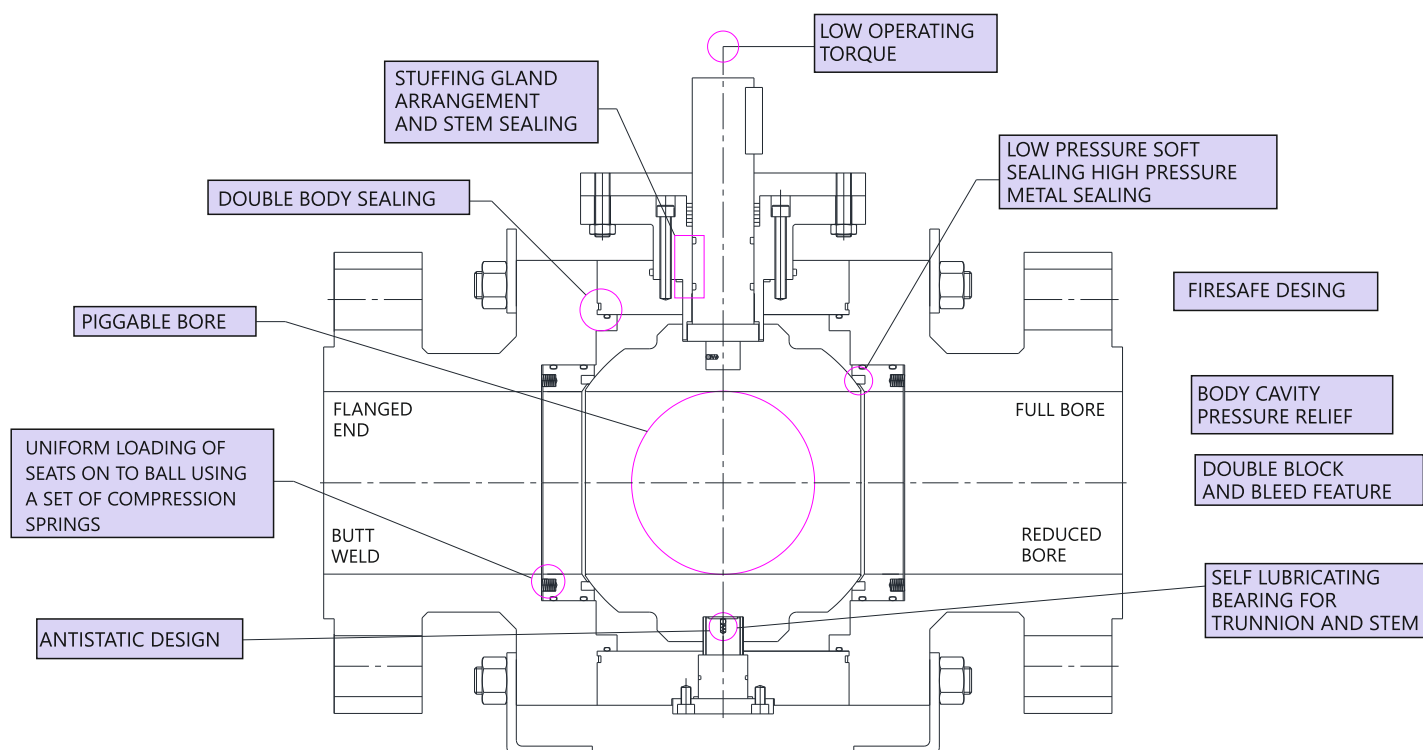
- YDB Valves are designed and manufactured as per ASME B 16.34, API 6D & BS 5351/BS EN ISO 17292. These standards cover pressure - Temperature ratings, minimum shell thickness, bore diameter for each size/ class.
 - Valve body and trim can be offered as per NACE MR 01-75 compliant.
 - Castings inspection 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
MESC 77/312 and EPA 40_CFR 60-F

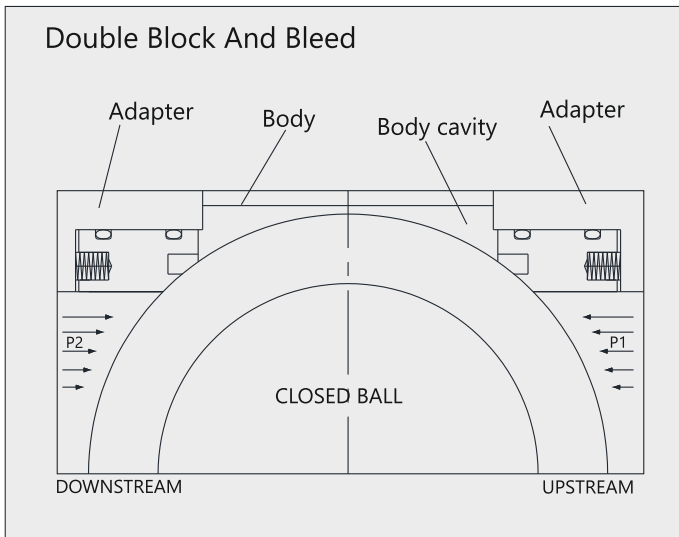
• Other applicable standards:

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

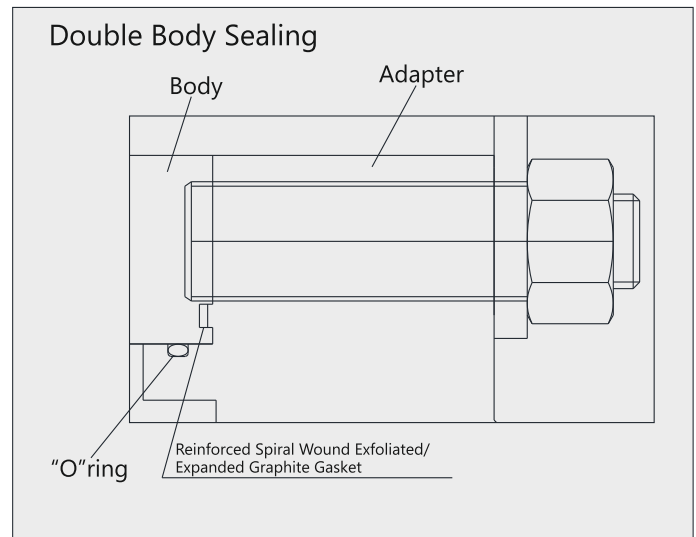
Quality Systems / Certification : ISO 9001-2000, API 6D - Q1, PED 97/23/EC

Trunnion Mounted Ball Valve

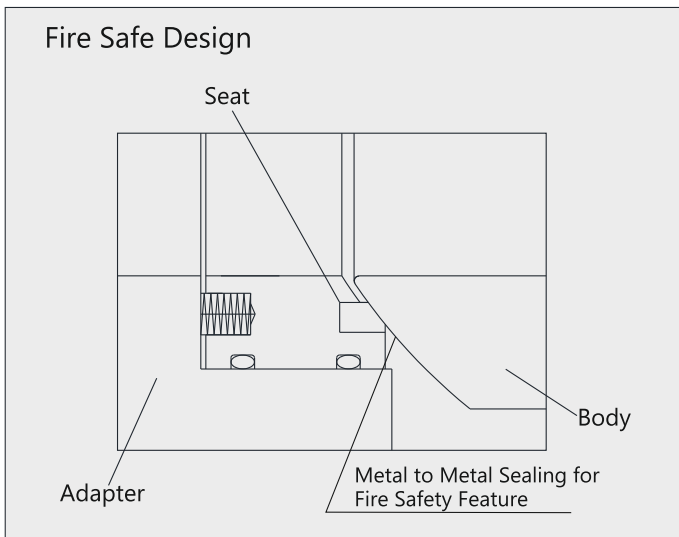




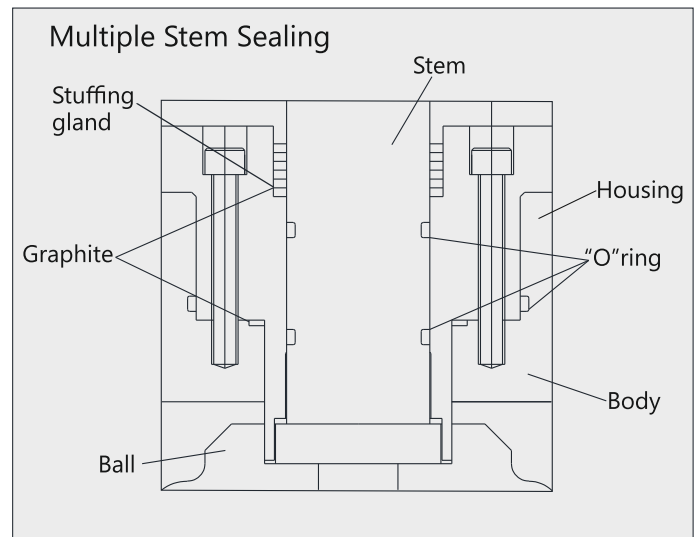
Spring loaded floating seats maintain contact with the ball and provide tight shut off even at low pressure differential. Independent sealing of upstream and downstream sides facilitates draining of fluid from the body cavity, and thus the double block and bleed operation.



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



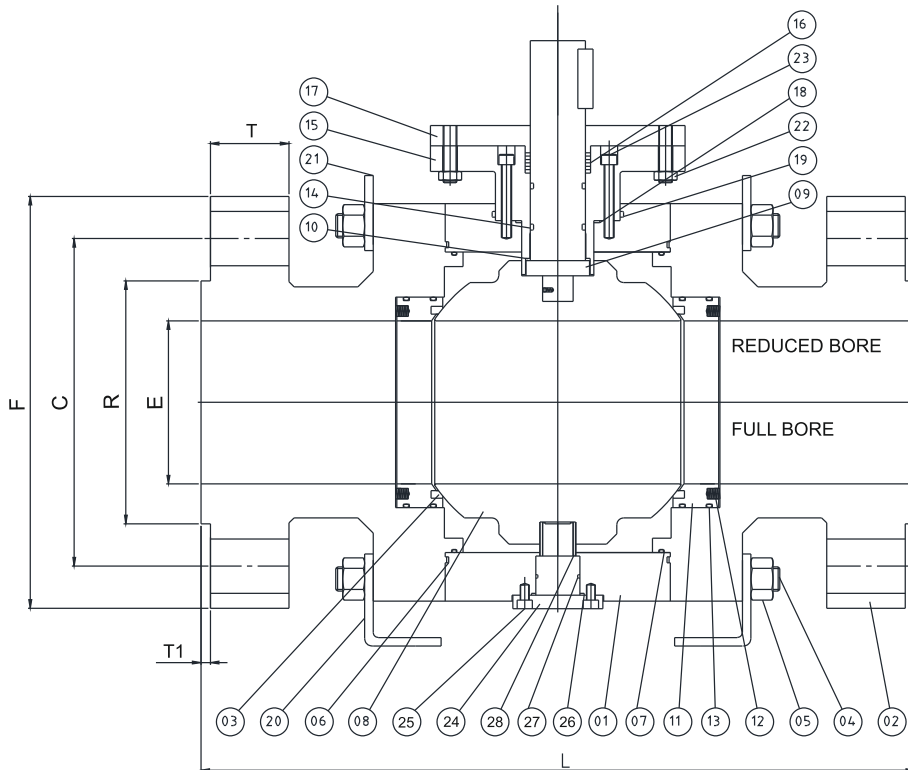
In the event of fire, soft insert gets burnt and spring loaded seats ensure metal to metal sealing.



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.

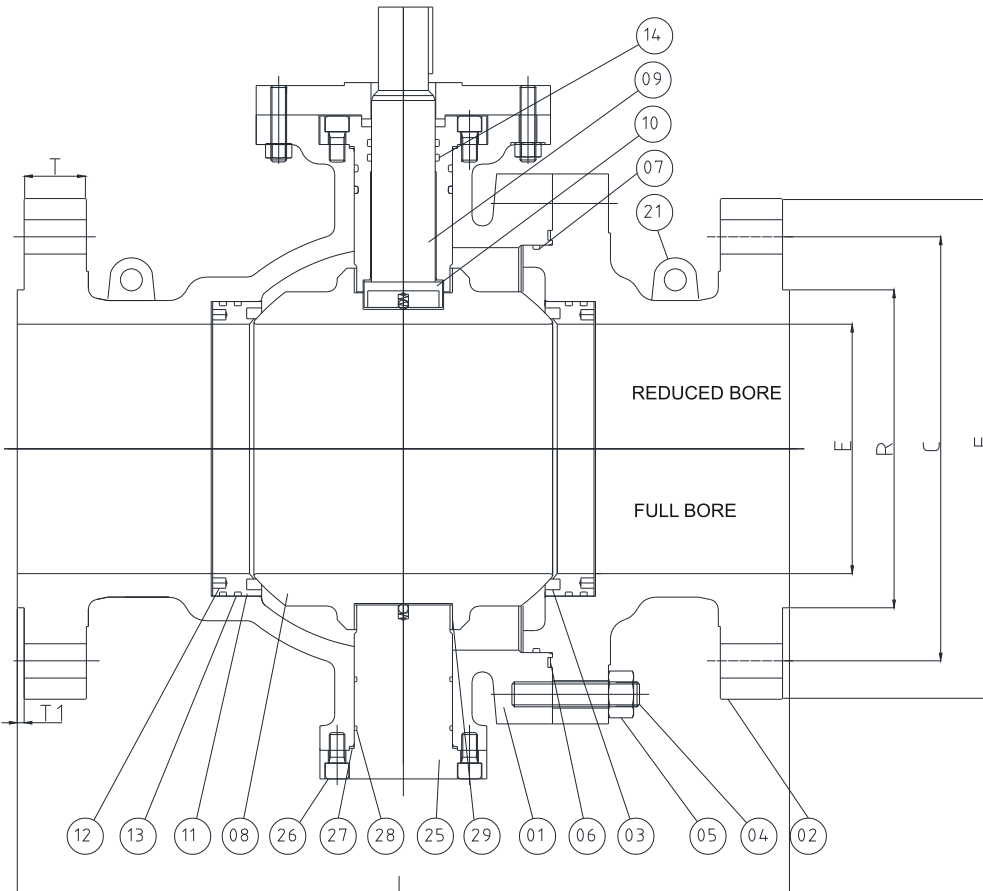
Corrosion Protection and Painting

- 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.

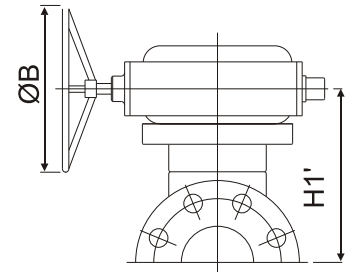


P3 SERIES

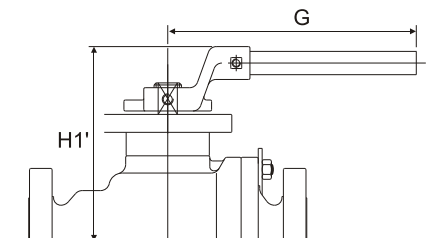
P. NO	ITEM NAME
01	Body
02	Connector
03	Seat
04	Studs
05	Nuts
06	Gasket Body
07	body Sealing
08	Ball
09	Stem
10	Stem Thrust Washer
11	Seat retainer
12	Spring
13	Oring Retainer
14	Stem Oring
15	Housing
16	Gland packing
17	Gland Plate
18	Housing Gasket
19	Housing Oring
20	Resting Lugs
21	Lifting Lugs
22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



P2 SERIES

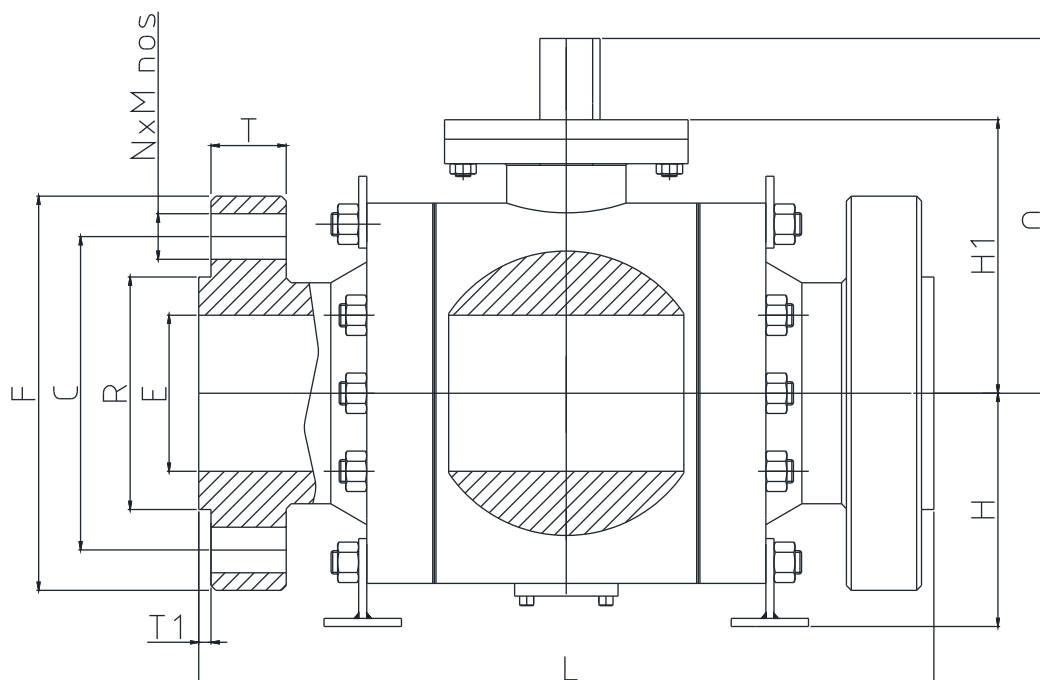


VALVE WITH GEAR



VALVE WITH LEVER

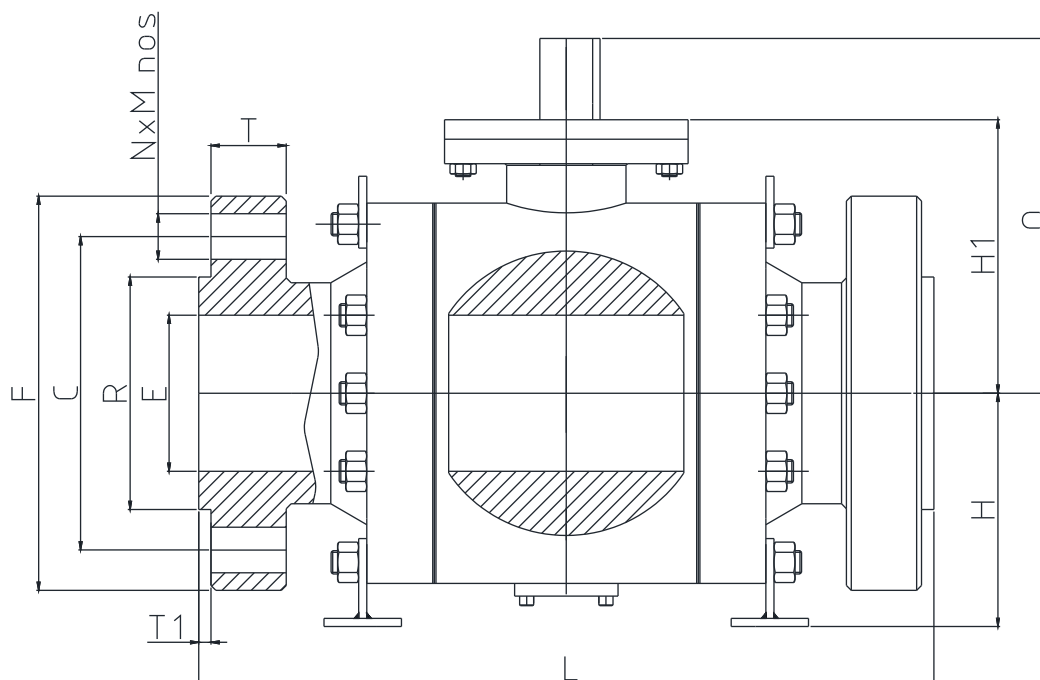
P3 SERIES - ANSI 150



Dimensions in "mm"

SIZE	E	L			F	C	N	M	R	T	T1	H1	H1*	H2	O	G	B	Approx Weights kg		
		RF	BW E	RTJ														Bare stem	Operator	
																			Lever	Gear
50	51	178	216	191	152.4	120.7	19.1	4	91.9	15.7	1.5	74.5	132.1	76.0	104.5	290.1	-	10	0.45	-
80x50	51	203	283	216	190.5	152.4	19.1	4	127.0	19.1	1.5	74.5	132.1	76.0	104.5	290.1	-	16	0.45	-
80	76	203	283	216	190.5	152.4	19.1	4	127.0	19.1	1.5	101.0	183.0	120.0	142.7	399.8	-	23	2	-
100x80	76	229	305	241	228.6	190.5	19.1	8	157.2	23.9	1.5	101.0	183.0	120.0	142.7	399.8	-	39	2	-
100	102	229	305	241	228.6	190.5	19.1	8	157.2	23.9	1.5	122.0	203.2	139.7	165.0	450.1	-	36	2	-
150x100	102	394	457	406	279.4	241.3	22.4	8	215.9	25.4	1.6	214.1	320.0	170.2	274.3	-	250	107	-	25
150	152	394	457	406	279.4	241.3	22.4	8	215.9	25.4	1.6	214.3	320.0	320.0	312.4	-	400	150	-	25
200x150	152	457	521	470	342.9	298.5	22.4	8	269.7	28.4	1.6	241.3	320.0	320.0	312.4	-	400	177	-	25
200	203	457	521	470	342.9	298.5	22.4	8	269.7	28.4	1.6	269.2	349.3	226.1	340.4	-	400	240	-	25
250x200	203	533	559	546	406.4	362.0	25.4	12	323.9	30.2	1.6	269.2	349.3	226.1	340.4	-	500	292	-	25
250	254	533	559	546	406.4	362.0	25.4	12	323.9	30.2	1.6	307.0	387.4	321.0	379.0	-	500	344	-	25
300x250	254	610	635	622	482.6	431.8	25.4	12	381.0	31.8	1.6	307.0	387.4	321.0	379.0	-	600	399	-	25
350x250	254	686	762	699	533.4	476.3	28.4	12	412.8	35.1	1.6	307.1	387.4	321.1	379.0	-	500	522	-	25
300	305	610	635	622	482.6	431.8	25.4	12	381.0	31.8	1.6	357.0	436.9	371.0	433.0	-	500	469	-	25
350x300	305	686	762	699	533.4	476.3	28.5	12	412.8	35.1	1.6	357.0	436.9	371.0	433.0	-	500	516	-	25
400x300	305	762	838	775	596.9	539.8	28.5	16	469.9	36.6	1.6	357.0	436.9	371.0	433.0	-	500	566	-	25
350	337	686	762	699	533.4	476.3	28.5	12	412.8	35.1	1.6	398.8	635.0	412.0	515.6	-	500	758	-	57
400x350	337	762	838	775	596.9	539.8	28.5	16	469.9	36.6	1.6	398.8	635.0	412.0	515.6	-	500	847	-	57
450x350	337	864	914	876	635.0	577.9	31.8	16	533.4	39.6	1.6	398.8	635.0	410.0	515.6	-	500	940	-	57
400	387	762	838	775	596.9	539.8	28.5	16	469.9	36.6	1.6	459.7	711.2	430.0	576.6	-	500	998	-	114
450x400	387	864	914	876	635.0	577.9	31.8	16	533.4	39.6	1.6	497.0	711.2	478.0	677.0	-	500	1150	-	114
500x400	387	914	991	927	698.5	635.0	31.8	20	584.2	42.9	1.6	497.0	711.2	478.0	677.0	-	500	1239	-	114
450	438	864	914	876	635.0	577.9	31.8	16	533.4	39.6	1.6	497.8	812.8	478.0	696.0	-	500	1552	-	137
500x450	438	914	991	927	698.5	635.0	31.8	20	584.2	42.9	1.6	497.8	812.8	478.0	696.0	-	500	1587	-	137
500	489	914	991	927	698.5	635.0	31.8	20	584.2	42.9	1.6	518.2	812.8	525.0	698.5	-	750	1807	-	220
600x500	489	1067	1143	1080	812.8	749.3	35.1	20	692.2	47.8	1.6	518.2	812.8	525.0	698.5	-	750	2188	-	220
600	591	1067	1143	1080	812.8	749.3	35.1	20	692.0	47.8	1.6	590.0	838.2	650.0	730.0	-	750	3250	-	296

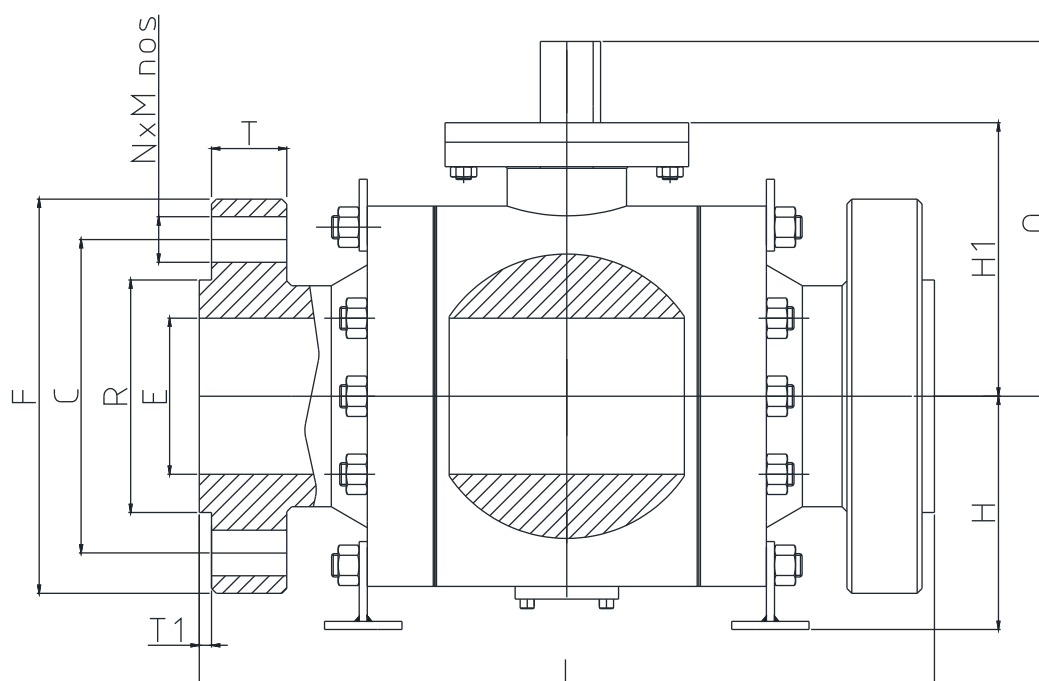
P3 SERIES - ANSI 300



Dimensions in "mm"

SIZE	E	L			F	C	N	M	R	T	T1	H1	H1*	H2	O	G	B	Approx Weights (kg)		
		RF	BWE	RTJ														Bare stem	Operator	
																			Lever	Gear
#50x40	38	216	216	232	165	127	19.1	8	91.9	22.4	1.6	110	131	91.5	143	400	-	23	0.4	-
#80x50	51	283	283	298	210	168	22.4	8	127	28.4	1.6	149	176	110	192	400	-	40	0.4	-
#80	76	283	283	298	210	168	22.4	8	127	28.4	1.6	199	246	150	259	-	250	62	-	14.5
#100x80	76	305	305	321	254	200	22.4	8	157	31.8	1.6	199	246	150	259	-	250	78	-	14.5
100	102	305	305	321	254	200	22.4	8	157	31.8	1.6	214	262	180	275	-	300	99	-	14.5
150x100	102	403	403	419	318	270	22.4	12	216	36.6	1.6	214	262	180	275	-	300	125	-	14.5
150	152	403	403	419	318	270	22.4	12	216	36.6	1.6	241	320	244	312	-	400	160	-	43.9
200x150	152	502	521	518	381	330	25.4	12	270	41.1	1.6	241	320	244	312	-	500	309	-	43.9
200	203	502	521	518	381	330	25.4	12	270	41.1	1.6	269	348	295	340	-	500	343	-	32.9
250x200	203	568	559	584	445	387	28.5	16	324	47.8	1.6	269	348	295	340	-	550	390	-	32.9
250	254	568	559	584	445	387	28.5	16	324	47.8	1.6	329	431	320	425	-	550	449	-	89.8
300x250	254	648	635	664	521	451	31.8	16	381	50.8	1.6	329	431	320	425	-	600	561	-	89.8
350x250	254	762	762	778	584	514	31.8	20	413	53.8	1.52	329	431	320	425	-	550	606	-	89.8
300	305	648	635	664	521	451	31.8	16	381	50.8	1.6	381	478	371	478	-	500	654	-	89.8
350x300	305	762	762	778	584	514	31.8	20	413	53.8	1.6	381	478	371	478	-	500	776	-	89.8
400x300	305	838	838	854	648	572	35.1	20	470	57.2	1.6	381	478	371	478	-	500	832	-	89.8
350	337	762	762	778	584	514	31.8	20	413	53.8	1.6	399	648	412	516	-	500	988	-	113.8
400x350	337	838	838	854	648	572	35.1	20	470	57.2	1.6	399	648	412	516	-	500	998	-	113.8
450x350	337	914	914	930	711	629	35.1	24	533	60.5	1.52	399	648	412	516	-	500	128	-	13.8
400	387	838	838	854	648	572	35.1	20	470	57.2	1.6	460	689	468	578	-	750	1000	-	219.5
450x400	387	914	914	930	711	629	35.1	24	533	60.5	1.6	460	689	468	578	-	750	1397	-	219.5
500x400	387	991	991	1010	775	686	35.1	24	584	63.5	1.6	460	689	468	578	-	750	1512	-	219.5
450	438	914	914	930	711	629	35.1	24	533	60.5	1.6	497	798	476	677	-	750	1552	-	219.5
500x450	438	991	991	1010	775	686	35.1	24	584	63.5	1.6	497	798	476	677	-	750	2034	-	219.5
500	489	991	991	1010	775	686	35.1	24	584	63.5	1.6	518	818	505	699	-	750	2306	-	296.4
600x500	489	1143	1143	1165	914	813	41.1	24	692	69.9	1.6	518	818	505	699	-	750	2793	-	296.4

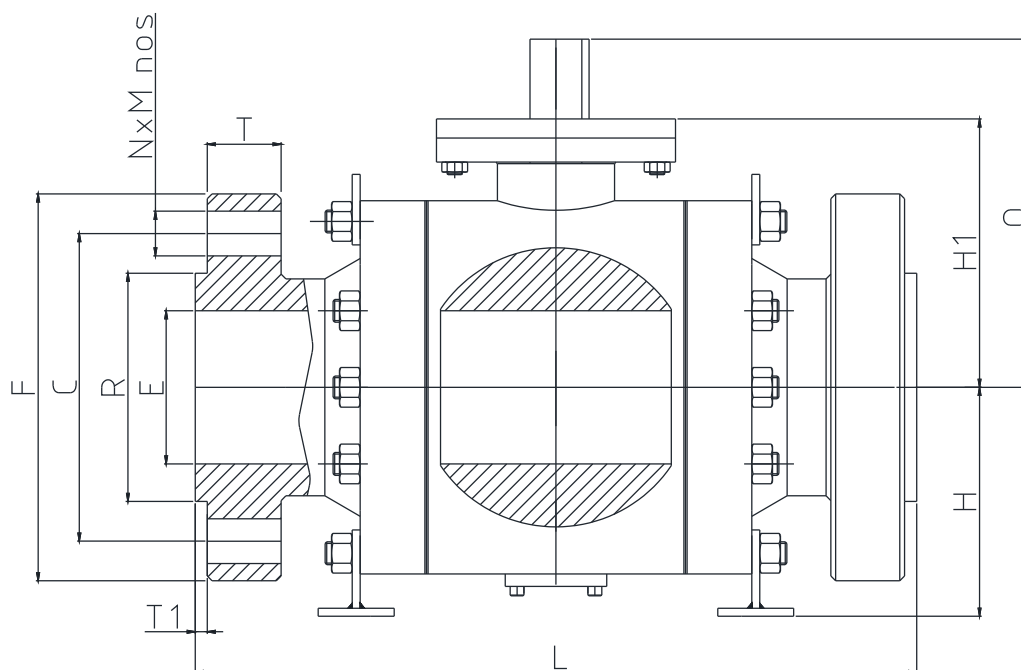
P3 SERIES - ANSI 600



Dimensions in "mm"

SIZE	E	L			F	C	N	M	R	T	T1	H1	H1*	H2	O	G	B	Approx Weights (kg)		
		RF	BWE	RTJ														Bare stem	Operator	
																			Lever	Gear
#50x40	38	292	292	295	165.1	127	19.05	8	91.95	25.40	6.4	110.7	130.7	85.0	142	400	-	24	1.8	-
#50	38	292	292	295	165.1	127	19.05	8	91.95	25.40	6.4	148.6	175.5	115.0	192	500	-	34	2.3	-
#80x50	51	356	356	359	209.6	168.1	22.35	8	127.00	31.75	6.4	148.6	175.5	115.0	192	500	-	34	2.3	-
#80	76	356	356	359	209.6	168.1	22.35	8	127.00	31.75	6.4	199.0	292.1	150.0	259	1000	350	77	-	17
#100x80	76	432	432	435	273.1	215.9	25.4	8	157.23	38.10	6.4	199.0	292.1	150.0	259	1000	350	83	-	17
100	102	432	432	435	273.1	215.9	25.4	8	157.23	38.10	6.4	214.1	292.1	180.0	275	1000	350	120	-	17
150x100	102	559	559	562	355.6	292.1	28.55	12	215.90	47.75	6.4	214.1	292.1	180.0	275	1000	350	161	-	17
150	152	559	559	562	355.6	292.1	28.55	12	215.90	47.75	6.4	241.0	304.8	225.0	312	-	550	239	-	54
200x150	152	660	660	664	419.1	349.3	31.75	12	269.75	55.63	6.4	241.0	317.5	225.0	312	-	550	328	-	54
200	203	660	660	664	419.1	349.3	31.75	12	269.75	55.63	6.4	281.9	381.0	271.0	425	-	500	484	-	90
250x200	203	787	787	791	508	431.8	35.05	16	323.85	63.50	6.4	281.9	381.0	396.0	379	-	500	559	-	90
250	254	787	787	791	508	431.8	35.05	16	323.85	63.50	6.4	329.0	438.2	331.0	425	-	500	599	-	90
300x250	254	838	838	841	558.8	489	35.05	20	381.00	66.55	6.4	329.0	438.2	331.0	425	-	500	649	-	90
350x250	254	889	889	892	603.3	527.1	38.1	20	412.75	69.85	6.4	329.0	438.2	331.0	429	-	500	731	-	90
300	305	838	838	841	558.8	489	35.05	20	381.00	69.85	6.4	381.0	501.9	369.0	478	-	500	831	-	114
350x300	305	889	889	892	603.3	527.1	38.1	20	412.75	69.85	6.4	381.0	501.9	369.0	478	-	500	914	-	114
400x300	305	991	991	994	685.8	603.3	41.15	20	469.90	76.20	6.4	381.0	501.9	369.0	478	-	500	1067	-	114
350	337	889	889	892	603.3	527.1	38.1	20	412.75	69.85	6.4	400.0	626.6	433.0	517	-	750	1387	-	220
400x350	337	991	991	994	685.8	603.3	41.15	20	469.90	76.20	6.4	400.0	626.6	433.0	517	-	750	1415	-	220
450x350	337	1092	1092	1095	743	654.1	44.45	20	533.40	82.55	6.4	400.0	626.6	433.0	517	-	750	1510	-	220
400	387	991	991	994	685.8	603.3	41.15	20	469.90	76.20	6.4	459.7	683.8	439.9	577	-	750	1846	-	137
450x400	387	1092	1092	1095	743	654.1	44.45	20	533.40	82.55	6.4	459.7	683.8	439.9	577	-	750	2131	-	137
500x400	387	1194	1194	1200	812.8	723.9	44.45	24	584.20	88.90	6.4	459.7	683.8	439.9	577	-	750	2501	-	137
450	438	1092	1092	1095	743	654.1	44.45	20	533.40	82.55	6.4	524.0	817.9	520.0	699	-	750	2736	-	295
500x450	438	1194	1194	1200	812.8	723.9	44.45	24	584.20	88.90	6.4	524.0	817.9	520.0	699	-	750	2941	-	295
500	489	1194	1194	1200	812.8	723.9	44.45	24	584.20	88.90	6.4	518.2	816.9	505.0	699	-	749	3406	-	295
600x500	489	1397	1397	1407	939.8	838.2	50.8	24	692.15	101.60	6.4	518.2	816.9	505.0	699	-	749	3428	-	295

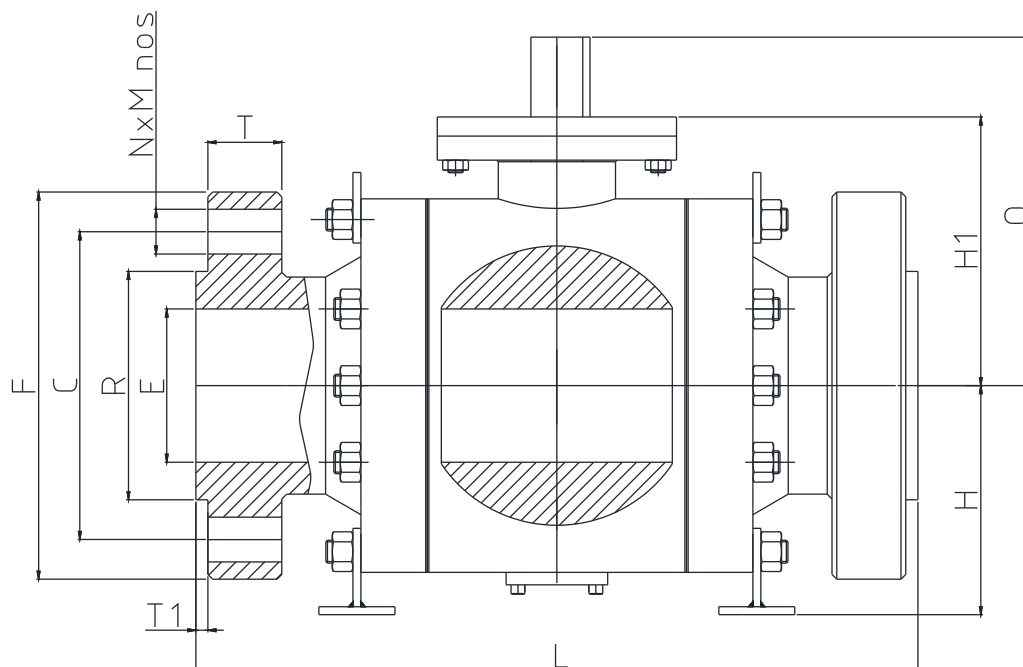
P3 SERIES - ANSI 900



Dimensions in "mm"

SIZE	E	L			F	C	N	M	R	T	T1	H1	H1*	H2	O	G	B	Approx Weights (kg)		
		RF	BWE	RTJ														Bare stem	Operator	
																			Lever	Gear
#50x40	38	368	368	371	215.9	165.1	25.4	8	91.95	38.1	6.4	110	130.7	85	143	635	-	40	2	-
#50	51	368	368	371	215.9	165.1	25.4	8	91.95	38.1	6.4	148.6	175.5	120	191.8	700	-	63	2	-
#80"x50	51	381	381	384	241.3	190.5	25.4	8	127	38.1	6.4	148.6	175.5	120	191.8	700	-	70	2	-
80	76	381	381	384	241.3	190.5	25.4	8	127	38.1	6.4	198.6	246.4	150	259	1000	350	100	-	17
100x80	76	457	457	460	292.1	235	31.75	8	157.2	44.45	6.4	198.6	246.4	150	259	1000	350	136	-	17
100	102	457	457	460	292.1	235	31.75	8	157.2	44.45	6.4	214.1	262.2	180	275.1	1000	450	150	-	23
150x100	102	610	610	613	381	317.5	31.75	12	215.9	55.63	6.4	214.1	262.2	180	275.1	1000	450	200	-	23
150	152	610	610	613	381	317.5	31.75	12	215.9	55.63	6.4	241	355.6	245	332	-	600	334	-	90
200x150	152	737	737	740	469.9	393.7	38.1	12	269.7	63.5	6.4	241	355.6	245	332	-	700	409	-	90
200	203	737	737	740	469.9	393.7	38.1	12	269.7	63.5	6.4	281.9	396.2	277	396	-	500	469	-	92
250x200	203	838	838	841	546.1	469.9	38.1	16	323.9	69.85	6.4	281.9	396.2	277	396	-	500	921	-	92
250	254	838	838	841	546.1	469.9	38.1	16	323.9	69.85	6.4	328.9	459.7	335.8	484.4	-	600	996	-	121
300x250	254	965	965	968	609.6	533.4	38.1	20	381	79.25	6.4	328.9	459.7	335.8	484.4	-	600	1158	-	121
350x250	254	1029	1029	1038	641.4	558.8	41.15	20	412.8	85.85	6.4	328.9	459.7	335.8	484.4	-	600	1307	-	121
300	305	965	965	968	609.6	533.4	38.1	20	381	79.25	6.4	381	508	365	531	-	750	1342	-	137
350x300	305	1029	1029	1038	641.4	558.8	41.15	20	412.8	85.85	6.4	381	508	365	531	-	750	1367	-	137
400x300	305	130	130	1140	704.9	616	44.45	20	469.9	88.9	6.4	381	508	365	531	-	750	1440	-	137
350	324	1029	1029	1038	641.4	558.8	41.15	20	412.8	85.85	6.4	465.1	543.1	564.9	640.1	-	750	2070	-	220
400x350	324	1130	1130	140	704.9	616	44.45	20	469.9	88.9	6.4	465.1	543.1	564.9	640.1	-	750	2255	-	220
450x350	324	1219	1219	1232	787.4	685.8	50.8	20	533.4	101.6	6.4	465.1	543.1	564.9	640.1	-	750	2440	-	439
400	373	1130	130	140	704.9	616	44.45	20	469.9	88.9	6.4	483	*	530	625	-	*	2380	-	*
450x400	373	1219	1219	1232	787.4	685.8	50.8	20	533.4	101.6	6.4	483	*	530	625	-	*	2615	-	*
500x400	373	1321	1321	1334	857.3	749.3	53.98	20	584.2	108	6.04	483	*	530	625	-	*	2983	-	*
450	423	1219	1219	1232	787.4	685.8	50.8	20	533.4	101.6	6.4	507	*	554	661	-	*	3072	-	*
500x450	423	1321	1321	1334	857.3	749.3	53.98	20	584.2	108	6.04	507	*	554	661	-	*	3592	-	*
600x450	423	1549	1549	1568	1041	901.7	66.68	20	692.2	139.7	6.4	507	-	554	661	-	*	4131	-	*
500	471	1321	1321	1334	857.3	749.3	53.98	20	584.2	108	6.04	552	*	603	706	-	*	4467	-	*
600x450	471	1549	1549	1568	1041	901.7	66.55	20	692.2	139.7	6.4	552	-	603	706	-	*	5695	-	*

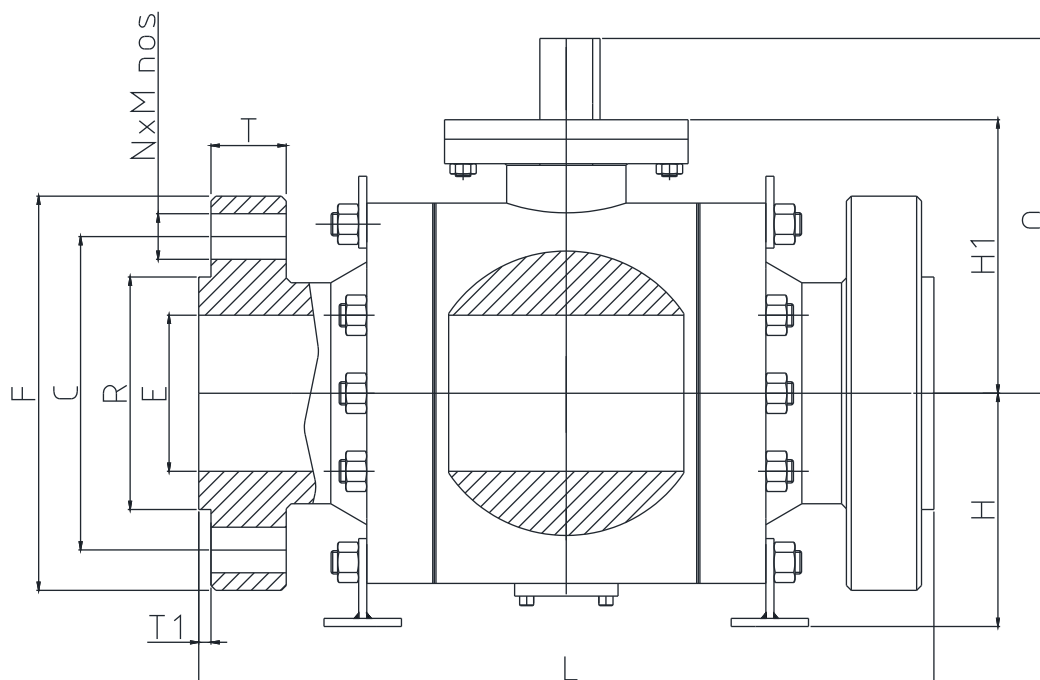
P3 SERIES - ANSI 1500



Dimensions in “mm”

SIZE	E	L			F	C	N	M	R	T	T1	H1	H1*	H2	O	G	B	Approx Weights (kg)		
		RF	BWE	RTJ														Bare stem	Operator	
																			Lever	Gear
#50x40	38	368	368	371	215.9	165.1	25.4	8	91.9	38.1	6.4	110	185.5	85	143	635	-	50	1.8	-
#50	51	368	368	371	215.9	165.14	25.4	8	91.9	38.1	6.4	148.6	175.5	120	192	700	-	72	2.3	-
#80x50	51	470	470	473	266.7	203.2	31.75	8	127.0	47.75	6.4	148.6	175.5	120	192	700	-	90	2.3	-
80	76	470	470	473	266.7	203.2	31.75	8	127.0	47.75	6.4	199	246.4	150	259	-	450	110	-	23
100x80	76	546	546	549	311.2	241.3	35.05	8	157.2	53.85	6.4	199	246.4	150	259	-	450	154	-	23
100	102	546	546	549	311.2	241.3	35.05	8	157.2	53.85	6.4	214	320	180	275	-	450	169	-	30
150x100	102	705	705	711	393.7	317.5	38.1	12	215.9	82.55	6.4	214	320	180	275	-	450	289	-	30
150	146	705	705	711	393.7	317.5	38.1	12	215.9	82.55	6.4	314	389	452	405.5	-	500	569	-	92
200x150	146	832	832	841	482.6	393.7	44.45	12	269.7	91.95	6.4	314	389	452	405.5	-	500	624	-	92
200	194	832	832	841	482.6	393.7	44.45	12	269.8	91.95	6.4	395	463	535	515	-	600	1008	-	114
250x200	194	991	991	1000	584.2	482.6	50.8	12	323.9	108	6.4	395	463	535	515	-	600	1311	-	114
250	241	991	991	1000	584.2	482.6	50.8	12	323.9	108	6.4	468	548	605	643	-	600	1590	-	225
300x250	241	1130	1130	1146	673.1	571.5	53.98	16	381.0	124	6.4	468	548	605	643	-	600	1759	-	225
350x250	241	1257	1257	1276	749.3	635	60.45	16	412.8	133.4	6.4	468	548	605	643	-	600	2012	-	225
300	289	1130	1130	1146	673.1	571.5	53.98	16	381.0	124	6.4	477	555	607	652	-	750	2499	-	225
350x300	289	1257	1257	1276	749.3	635	60.45	16	412.8	133.4	6.4	477	555	607	652	-	750	2752	-	225
400x300	289	1384	1384	1407	825.5	704.9	66.8	16	469.9	146.1	6.4	477	555	607	652	-	750	2927	-	225
350	315	1257	1257	1276	749.3	635	60.45	16	412.8	133.4	6.4	515	-	476	665	-	*	3315	-	*
400x350	315	1384	1384	1406	825.5	704.9	66.8	16	469.9	146.1	6.4	515	-	476	665	-	*	3646	-	*
450x350	315	1537	1537	1559	914.4	774.7	73	16	533.4	162.1	6.4	515	-	476	665	-	*	4010	-	*
400	360	1384	1384	1406	825.5	704.9	66.8	16	469.9	146.1	6.4	570	-	548	720	-	*	4589	-	*
450x400	360	1537	1537	1559	914.4	774.7	73	16	533.4	162.1	6.4	570	-	548	720	-	*	5048	-	*
500x400	360	1664	1664	1686	984.3	831.9	79	16	584.2	177.8	6.4	570	-	548	720	-	*	5525	-	*
450	407	1537	1537	1559	914.4	774.7	73	16	533.4	162.1	6.4	645	-	673	815	-	*	6732	-	*
500x450	407	1664	1664	1686	984.3	831.9	79	16	584.2	177.8	6.4	645	-	673	815	-	*	7405	-	*
600x450	407	2043	2043	2071	1168	990.6	92	16	692.2	203.2	6.4	645	-	673	815	-	*	8145	-	*
500	457	1664	1664	1686	984.3	831.9	79	16	584.2	177.8	6.4	732	-	691	927	-	*	9728	-	*
600x500	457	2043	2043	2071	1168	990.6	92	16	692.2	203.2	6.4	732	-	691	927	-	*	10697	-	*
600	534	2043	2043	2071	1168	990.6	92	16	692.2	203.2	6.4	798	-	784	993	-	*	14953	-	*

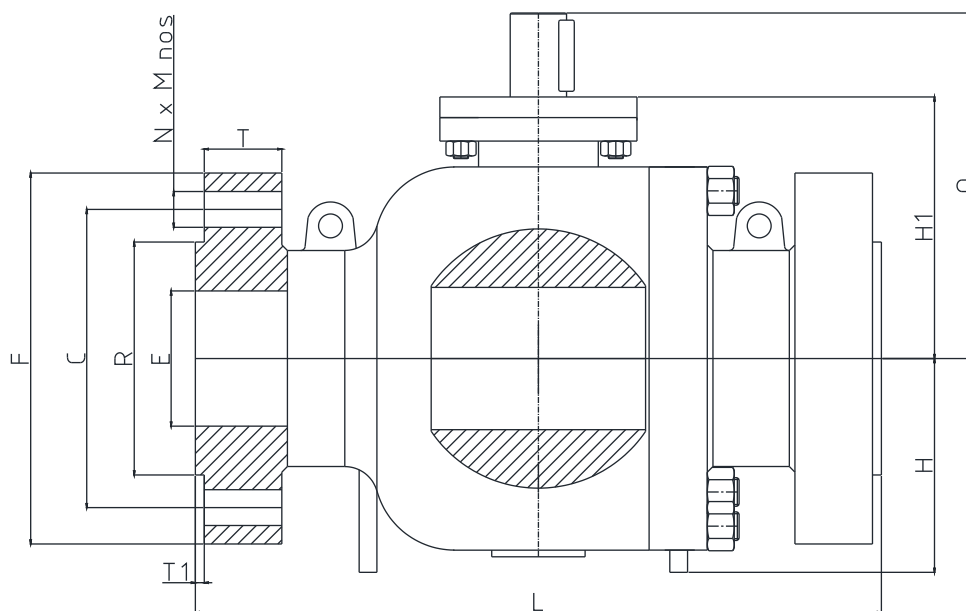
P3 SERIES - ANSI 2500



Dimensions in "mm"

SIZE	E	L			F	C	N	M	R	T	T1	H1	H1*	H2	O	G	B	Approx Weights (kg)		
		RF	BWE	RTJ														Bare stem	Operator	
																			Lever	Gear
#50 x 40	38	451	451	454	235	171.4	28.4	8	91.9	50.9	6.4	145	-	-	200	900	-	72	1.8	-
#50	42	451	451	454	235	171.4	28.4	8	91.9	50.9	6.4	153	206	-	208	1000	300	102	2.3	-
#80 x 50	42	578	578	584	304.8	228.6	35.1	8	127	66.7	6.4	153	206	-	208	1000	300	182	2.3	*
80	62	578	578	584	304.8	228.6	35.1	8	127	66.7	6.4	194	252	-	249	-	500	237	-	*
100 x 80	62	673	673	683	355.6	273	41.1	8	157.2	76.2	6.4	194	252	-	249	-	500	308	-	*
100	87	673	673	683	355.6	273	41.1	8	157.2	76.2	6.4	232	288	310	287	-	500	443	-	*
150 x 100	87	914	914	927	482.6	368.3	53.8	8	215.9	108	6.4	232	288	310	287	-	500	621	-	*
150	131	914	914	927	482.6	368.3	53.8	8	215.9	108	6.4	314	390	385	369	-	700	913	-	*
200 x 150	131	1022	1022	1038	552.5	438.2	53.8	12	269.7	127	6.4	314	390	385	369	-	700	1242	-	*
200	179	1022	1022	1038	552.5	438.2	53.8	12	269.8	127	6.4	418	493	470	473	-	700	1607	-	*
250 x 200	179	1270	1270	1292	673.1	539.8	66.5	12	323.9	165.1	6.4	418	493	470	473	-	700	1881	-	*
250	223	1270	1270	1292	673.1	539.8	66.5	12	323.9	165.1	6.4	487	577	545	542	-	700	2331	-	*
300 x 250	223	1422	1422	1445	762	619.1	73.2	12	381	184.2	6.4	487	577	545	542	-	700	2743	-	*
300	265	1422	1422	1445	762	619.1	73.2	12	381	184.2	6.4	559	712	620	614	-	700	3618	-	*

P2 SERIES - ANSI 150



Dimensions in "mm"

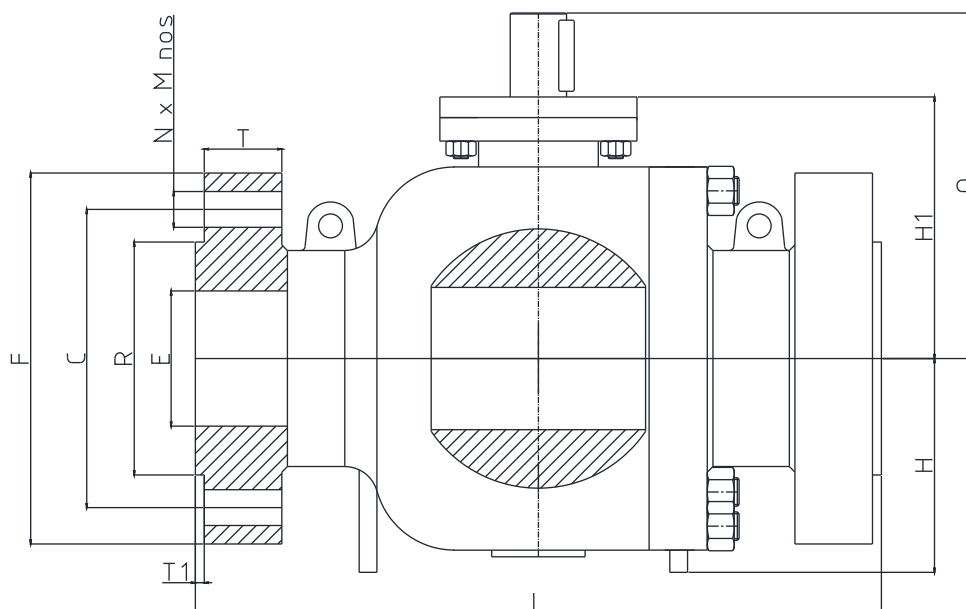
SIZE	E	L			F	C	N	M	R	T	T1	H1	H1*	H2	O	G	B	Approx Weights (kg)		
		RF	BWE	RTJ														Bare stem	Operator	
																			Lever	Gear
50	51	178	216	191	152.4	120.7	19.1	4	91.9	15.7	1.5	74.5	132.1	76.0	104.5	290.1	-	10	0.45	-
80x50	51	203	283	216	190.5	152.4	19.1	4	127.0	19.1	1.5	74.5	132.1	76.0	104.5	290.1	-	16	0.45	-
80	76	203	283	216	190.5	152.4	19.1	4	127.0	19.1	1.5	101.0	183.0	120.0	142.7	399.8	-	23	2	-
100x80	76	229	305	241	228.6	190.5	19.1	8	157.2	23.9	1.5	101.0	183.0	120.0	142.7	399.8	-	39	2	-
100	102	229	305	241	228.6	190.5	19.1	8	157.2	23.9	1.5	122.0	203.2	139.7	165.0	450.1	-	36	2	-
150x100	102	394	457	406	279.4	241.3	22.4	8	215.9	25.4	1.5	122.0	203.2	139.7	165.0	450.1	-	64	2	-
150	152	394	457	406	279.4	241.3	22.4	8	215.9	25.4	1.5	231.9	271.0	186.9	303.8	-	400	130	-	25
200x150	152	457	521	470	342.9	298.5	22.4	8	269.7	28.4	1.5	231.9	271.0	186.9	303.8	-	400	170	-	25
200	203	457	521	470	342.9	298.5	22.4	8	269.7	28.4	1.5	264.5	336.3	220.5	336.5	-	450	200	-	25
250x200	203	533	559	546	406.4	362.0	25.4	12	323.9	30.2	1.5	264.5	336.3	220.5	336.5	-	450	249	-	25
250	254	533	559	546	406.4	362.0	25.4	12	323.9	30.2	1.5	309.0	381.0	257.8	394.0	-	500	280	-	43
300x250	254	610	635	622	482.6	431.8	25.4	12	381.0	31.8	1.5	309.0	381.0	357.8	394.0	-	500	331	-	43
300	305	610	635	622	482.6	431.8	25.4	12	381.0	31.8	1.5	418.0	520.7	325.1	495.5	-	600	367	-	61

ANSI 300

Dimensions in "mm"

SIZE	E	L			F	C	N	M	R	T	T1	H1	H1*	H2	O	G	B	Approx Weights (kg)		
		RF	BWE	RTJ														Bare stem	Operator	
																			Lever	Gear
50	51	216	216	232	165.1	127.0	19.1	8	91.9	22.4	1.5	74.5	132.1	76.0	104.5	290.1	-	13	0.45	-
80x50	51	283	283	298	209.6	168.1	22.4	8	127.0	28.4	1.5	74.5	132.1	76.0	104.5	290.1	-	28	0.45	-
80	76	283	283	298	209.6	168.1	22.4	8	127.0	28.4	1.5	101.0	183.0	120.0	142.7	549.9	-	37	2	-
100x80	76	305	305	321	254.0	200.1	22.4	8	157.2	31.8	1.5	101.0	183.0	120.0	142.7	549.9	-	51	2	-
100	102	305	305	321	254.0	200.1	22.4	8	157.2	31.8	1.5	122.0	203.2	139.7	165.0	599.9	-	52	2	-
150x100	102	403	403	419	317.5	269.7	22.4	12	215.9	36.6	1.5	122.0	203.2	139.7	165.0	599.9	-	91	2	-
150	152	403	403	419	317.5	269.78	22.4	12	215.9	36.6	1.5	231.9	271.0	186.9	303.8	-	400	145	-	43
200x150	152	502	521	518	381.0	330.2	25.4	12	269.7	41.1	1.5	231.9	271.0	186.9	303.8	-	400	181	-	43
200	203	502	521	518	381.0	330.2	25.4	12	269.7	41.1	1.5	264.5	366.5	220.5	336.5	-	500	240	-	90
250x200	203	568	559	584	444.5	387.4	28.5	16	323.9	47.8	1.5	264.5	366.5	220.5	336.5	-	500	290	-	90
250	254	568	559	584	444.5	387.4	28.5	16	323.9	47.8	1.5	309.0	411.0	257.8	394.0	-	550	360	-	90
300x250	254	648	635	664	520.7	450.9	31.8	16	381.0	50.8	1.5	309.0	411.0	257.8	394.0	-	550	431	-	90
300	305	648	635	664	520.7	450.9	31.8	16	381.0	50.8	1.5	418.0	520.7	325.1	495.5	-	500	440	-	90

P2 SERIES - ANSI 600



Dimensions in "mm"

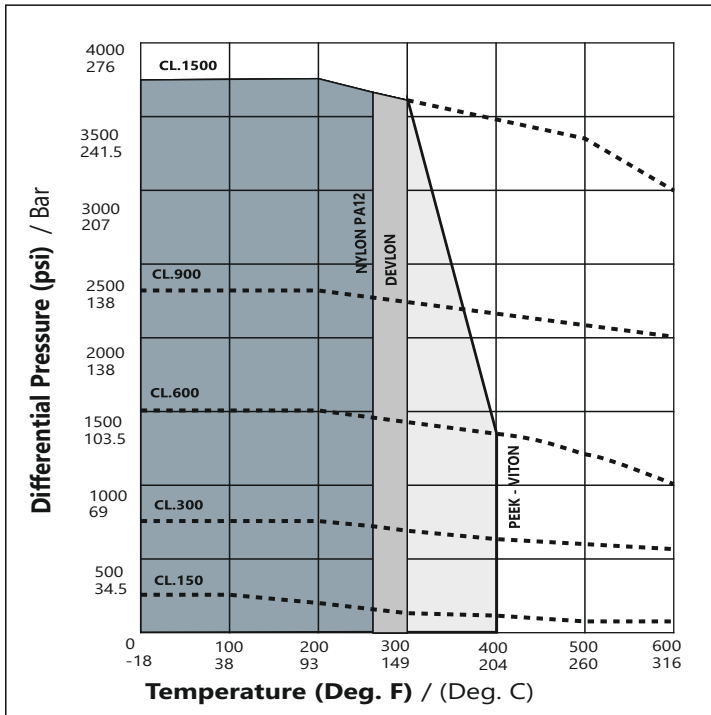
SIZE	E	L			F	C	N	M	R	T	T1	H1	H1*	H2	O	G	B	Approx Weights (kg)		
		RF	BWE	RTJ														Bare stem	Operator	
																			Lever	Gear
50x40	38	292	292	295	165.1	127.0	19.1	8	91.9	31.8	6.4	111.0	145.3	87.6	143.0	400.0	-	22	2	-
50	51	292	292	295	165.1	127.0	19.1	8	91.9	31.8	6.4	125.0	174.5	95.0	168.5	500.4	-	25	2	-
80x50	51	356	356	359	209.6	168.1	22.4	8	127.0	38.1	6.4	125.0	174.5	95.0	168.5	500.4	-	43	2	-
#80	76	356	356	359	209.6	168.1	22.4	8	127.0	38.1	6.4	165.0	274.3	137.0	225.0	1000	350	65	5	17
#100x80	76	432	432	435	273.1	215.9	25.4	8	157.2	44.5	6.4	165.0	274.3	137.0	225.0	1000	350	88	5	17
#100	102	432	432	435	273.1	215.9	25.4	8	157.2	44.5	6.4	197.0	307.8	150.9	258.0	1000	350	97	7	17
#150x100	102	559	559	562	355.6	292.1	28.5	12	215.9	54.1	6.4	197.0	307.8	150.9	258.0	1000	350	133	7	17
150	152	559	559	562	355.6	292.1	28.5	12	215.9	54.1	6.4	238.0	338.1	188.0	312.4	-	500	210	-	90
200x150	152	660	660	664	419.1	349.3	31.8	12	269.7	62.0	6.4	238.0	338.1	188.0	312.4	-	500	304	-	90
200	203	660	660	664	419.1	349.3	31.8	12	269.7	62.0	6.4	281.9	383.5	396.2	358.1	-	500	460	-	90
250x200	203	787	787	791	508.0	431.8	35.1	16	323.9	69.9	6.4	281.9	383.5	396.2	358.1	-	500	600	-	90
250	254	787	787	791	508.0	431.8	35.1	16	323.9	69.9	6.4	328.9	443.0	332.7	425.5	-	500	780	-	114
300x250	254	838	838	841	558.8	489.0	35.1	20	381.0	72.9	6.4	328.9	443.0	332.7	425.5	-	500	980	-	114
300	305	838	838	841	558.8	489.0	35.1	20	381.0	72.9	6.4	365.0	485.9	487.0	461.5	-	500	840	-	114

ANSI 900

Dimensions in "mm"

SIZE	E	L			F	C	N	M	R	T	T1	H1	H1*	H2	O	G	B	Approx Weights (kg)		
		RF	BWE	RTJ														Bare stem	Operator	
																			Lever	Gear
50x40	38	368	368	371	215.9	165.1	25.4	8	91.9	38.1	6.4	111.0	152.0	85.0	143.0	400	-	34	2	-
50	51	368	368	371	215.9	165.1	25.4	8	91.9	38.1	6.4	148.5	203.0	120.0	192.0	700	-	53	2	-
80x50	51	381	381	384	241.3	190.5	25.4	8	127.0	38.1	6.4	148.5	203.0	120.0	192.0	700	-	59	2	-
#80	74	381	381	384	241.3	190.5	25.4	8	127.0	38.1	6.4	165.0	255.5	150.0	224.0	1000	350	85	5	17
#100x80	74	457	457	460	292.1	235.0	31.8	8	157.2	44.5	6.4	165.0	255.5	150.0	224.0	1000	350	115	5	17
#100	102	457	457	460	292.1	235.0	31.8	8	157.2	44.5	6.4	197.0	297.0	180.0	258.0	1000	450	127	7	23
#150x100	102	610	610	613	381.0	317.5	31.8	12	215.9	55.6	6.4	197.0	297.0	180.0	258.0	1000	450	170	7	23
150	152	610	610	613	381.0	317.5	31.8	12	215.9	55.6	6.4	256.0	355.6	214.0	332.0	-	600	284	*	90
200x150	152	737	737	740	469.9	393.7	38.1	12	269.7	63.5	6.4	256.0	355.6	214.0	332.0	-	700	348	*	90
200	203	737	737	740	469.9	393.7	38.1	12	269.7	63.5	6.4	300.0	396.2	252.0	396.0	-	500	399	*	92
250x200	203	838	838	841	546.1	469.9	38.1	16	323.9	69.9	6.4	300.0	396.2	252.0	396.0	-	500	783	*	92
250	254	838	838	841	546.1	469.9	38.1	16	323.9	69.9	6.4	348.0	459.7	293.0	484.4	-	600	846	*	121
300x250	254	965	965	968	609.6	533.4	38.1	20	381.0	79.2	6.4	348.0	459.7	293.0	484.4	-	600	984	*	121
300	305	965	965	968	609.6	533.4	38.1	20	381.0	79.2	6.4	393.0	508.0	352.0	531.0	-	750	11	*	121

PRESSURE TEMPERATURE RATINGS & TORQUE VALUES



Pressure - temperature seat ratings of valves are as given the graph for body material A 216 - WCB

All pressure containing parts comply to the pressure temperature ratings as specified in ANSI B 16.34

Temperature Limits:

Typical values for few materials

		Lower limit		Upper limit	
		Deg.F/Deg.C	Deg.F/Deg.C	Deg.F/Deg.C	Deg.F/Deg.C
Body Matl.	WCB	(-20)	(-29)	800	425
	LCB	(-50)	(-46)	650	345
	CF8	(-425)	(-254)	1000	538
Seat	NYLON	(-50)	(-46)	As per Graph	
	DEVLON	(-50)	(-46)	As per Graph	
	PEEK	(-50)	(-46)	As per Graph	

* Useful application limit.

For applications above 400°F (204°C) consult YDB other ratings on request. Metal to metal seats are also supplied on request

Note: These ratings are a guide for general service. Please consult YDB for specific recommendations.

Torque Values in Nm / in - lbs.

SIZE DN (NPS)	TORQUE TYPE	PRESSURE CLASS											
		1500#		300#		600#		900#		1500#		2500#	
		Nm	In-lbs	Nm	In-lbs	Nm	In-lbs	Nm	In-lbs	Nm	In-lbs	Nm	In-lbs
1 1/2" (40)	BTO	52	460	75	664	91	805	103	912	150	1328	284	2514
	ETC	42	372	61	540	74	655	83	735	121	1071	228	2018
	RUN	25	221	36	319	43	381	48	425	69	611	129	1142
2" (50)	BTO	73	646	89	788	114	1009	139	1230	261	2310	369	3266
	ETC	59	522	72	637	92	814	112	991	210	1859	296	2620
	RUN	35	310	42	372	53	469	64	566	119	1053	167	1478
3" (80)	BTO	164	1452	224	1983	3236	28641	440	3894	609	5390	1157	10240
	ETC	132	1168	180	1593	262	2319	353	3124	488	4319	926	8196
	RUN	75	664	102	903	148	1310	199	1761	274	2425	519	4594
4" (100)	BTO	246	2177	344	3045	469	4151	609	5390	935	8275	1602	14179
	ETC	198	1752	276	2443	376	3328	488	4319	749	6629	1282	11347
	RUN	112	991	156	1381	212	1876	274	2425	420	3717	718	6355
6" (150)	BTO	422	3735	669	5921	1082	9576	1502	13294	2584	22870	3090	27349
	ETC	338	2992	536	4744	866	5895	1200	10621	2068	18303	2473	21888
	RUN	191	1690	301	2664	486	4301	673	5957	1156	10231	1382	12232
8" (200)	BTO	822	7275	1332	11789	2130	18852	3192	28251	4965	43944	7779	68850
	ETC	658	5824	1066	9435	1705	15090	2554	22605	3957	35022	6224	55087
	RUN	369	3266	597	5284	954	8444	1428	12639	2211	19569	3477	30774
10" (250)	BTO	1098	9718	1717	15197	2829	25039	3959	35040	6134	54290		
	ETC	879	7780	1374	12161	2264	20038	3168	28039	4908	43439		
	RUN	493	4363	764	6762	1266	11205	1771	15675	2742	24269		
12" (300)	BTO	1416	12533	2047	18153	3279	29021	4917	43519	8847	78302		
	ETC	1134	10037	1638	14533	2624	23224	3934	34819	7078	62645		
	RUN	635	5620	914	8125	1467	12984	2198	19454	3954	34996		
14" (350)	BTO	2488	22021	3479	30827	5569	49289	83542	738609	16583	146771		
	ETC	1991	17622	2783	24667	4456	39439	6682	59140	13267	117422		
	RUN	1114	9860	1554	13789	2490	22038	3733	33040	7409	65575		
16" (400)	BTO	3384	29958	4780	42342	7067	62548	10377	91844	22235	196795		
	ETC	2708	23968	3824	33880	5654	50042	8302	73479	17789	157445		
	RUN	1514	13400	2135	18932	3159	27959	4637	41041	9934	87923		
18" (450)	BTO	5426	48024	7118	63017	11391	100818	17085	151214				
	ETC	3622	32057	5694	50431	9114	80665	13669	120980				
	RUN	2024	17914	3179	28172	5090	45050	7634	67566				
20" (500)	BTO	5735	50759	9863	87330	15784	139699	23674	209532				
	ETC	4589	40616	7890	69867	12628	111767	18940	167632				
	RUN	2564	22693	4405	39023	7052	62415	10577	93614				
24" (600)	BTO	10453	92516	16468	145789	25237	223365	39529	349859				
	ETC	8363	74018	13174	116635	20190	178696	31624	279895				
	RUN	4671	41342	7356	65141	11275	99792	17659	156295				

B.T.O = Break to open torque (Under Rated Pressure) E.T.C. = End to close torque (Reseating Torque)

Notes:- 1) Torques Values are in Nm/In-lbs and are for primary soft seated TMBVs with Seat Insert Material as Nylon PA-12/ Devlon V (API).

2) Torque Values with PEEK seat insert are 100% higher than that the corresponding above mentioned values.

3) Torque Values are at Ambient Temperature, media being clear water. (Without any safety factor)

4) For Reduced Bore Valves, take torque values corresponding to the lower size (Ball Bore Size) e.g. : for 14" x 10" Reduced Bore Valve, take torque values corresponding to 10".

5) Torque details for balance sizes can be provided on request.

6) Above Torque Values are indicative and for reference only. Exact Torque Values for Actuator sizing will depend on service conditions.

Example: YVB02F-FB-PT-32RF600-A105-316-L
 A B C D E F G G H

A. Design and Construction

YVB02F	Side Entry Ball Valve floating- 2 PC
YVB02T	Side Entry Ball Valve truinnion- 2 PC
YVB02MF	Side Entry Ball Valve metal seated floating-2 PC
YVB02MT	Side Entry Ball Valve metal seated trunnion- 2 PC
YVB02F-CR	Side Entry Ball Valve cryogenic floating- 2 PC
YVB02T-CR	Side Entry Ball Valve cryogenic trunnion- 2 PC
YVB03F	Side Entry Ball Valve floating- 3 PC
YVB03T	Side Entry Ball Valve trunnion- 3 PC
YVB03MF	Side Entry Ball Valve metal seated floating- 3 PC
YVB03MT	Side Entry Ball Valve metal seated trunnion- 3 PC
YVB03F-CR	Side Entry Ball Valve cryogenic floating- 3 PC
YVB03T-CR	Side Entry Ball Valve cryogenic trunnion- PC
YVBT01F	Top Entry Ball Valve floating- 1 PC
YVBT01T	Top Entry Ball Valve trunnion- 1 PC
YVBT01T-CR	Top Entry cryogenic trunnion- 1 PC

D. Size

32- 2"NPS
 48- 3"NPS
 64- 4"NPS
 96- 6"NPS
 128- 8"NPS
 160- 10"NPS
 192- 12"NPS
 224- 14"NPS
 256- 16"NPS
 288- 18"NPS
 320- 20"NPS
 352- 22"NPS
 384- 24"NPS

E. End Connection

RF- Flanged Raised Face Serrated
 RJ- Flanged RTJ
 RS- Flanged Raised face smooth
 FF- Flanged flat face serrated
 FS- Flanged flat face smooth
 BW- Buttweld
 SW- Socket weld

G. Body and Trim

WCB	WCB 216
A105	A105N
LCB	LCB
LF2	LF2
304	CF8/SS316/F304
316	CF8M/SS316/F316
304L	CF3/SS304L/F304L
316L	CF3M/SS316L/F316L
410	CA 15/ SS410/F6A
DSS	Duplex SS
SDSS	Super Duplex SS
I625	Inconel 625
I825	Inconel 825
ML	Monel
F60	ASTM A694 GR.F60

B. Bore

FB- Full Bore
 RB- Reduced Bore

C. Seat

PT- PTFE
 RP- RPTFE
 PK- Peek
 N - Nylon
 D- Delrin
 PC- PCTFE
 TC- TC Coated
 ST- Stellite coated

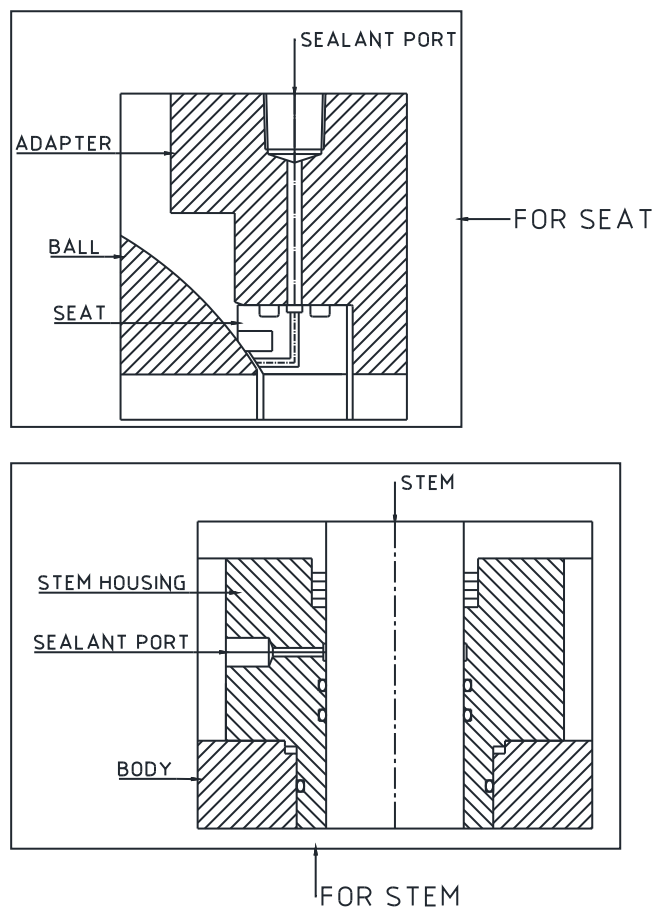
F. Class

150-150/ PN16
 300-300/ PN40
 400-400/ PN64
 600-600
 800-800
 900-900
 1500-1500
 2500-2500

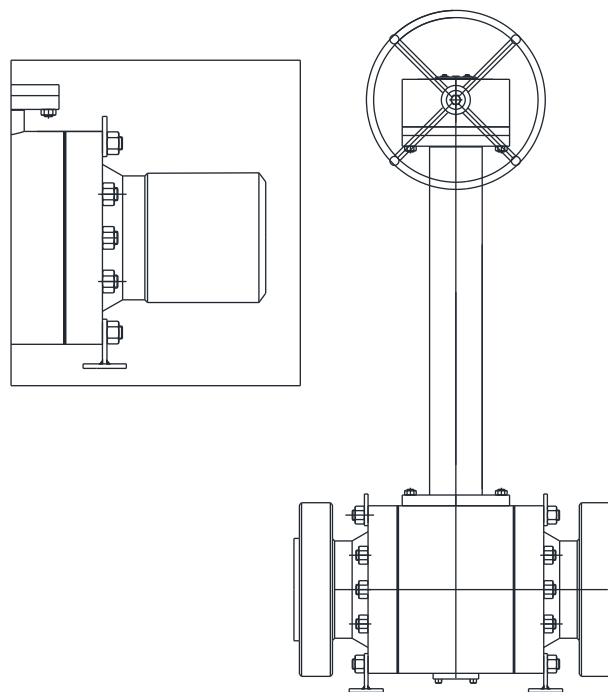
H. Operation

BS- Bare Stem
 G- Gear operated
 L- Lever
 A- Actuated
 CW- Chain Wheel

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:

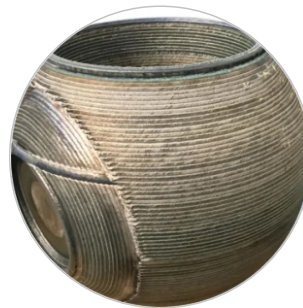
1. The descriptions of all the products contained in this catalogue are general in nature and the products are subjective to YDB's Standard warranty and other terms and conditions as contained in the applicable contract for such products.
2. We reserve the right to change or modify product design or 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.

Pneumatic actuators and accessories are available from our facilities in India. Factory mounted automation packaging means single point responsibility, standardization of control components, accessories and expert sizing for smooth operation.



COATING AND OVERLAY

A wide variety of coatings are available for increased life span and corrosion protection you can count on. Enduro-bond plus coatings are a cross-linked barrier fused by a strong mechanical bond to provide superior protection over traditional plastic coatings. A complete line of spray on and weld overlay metals are also available.

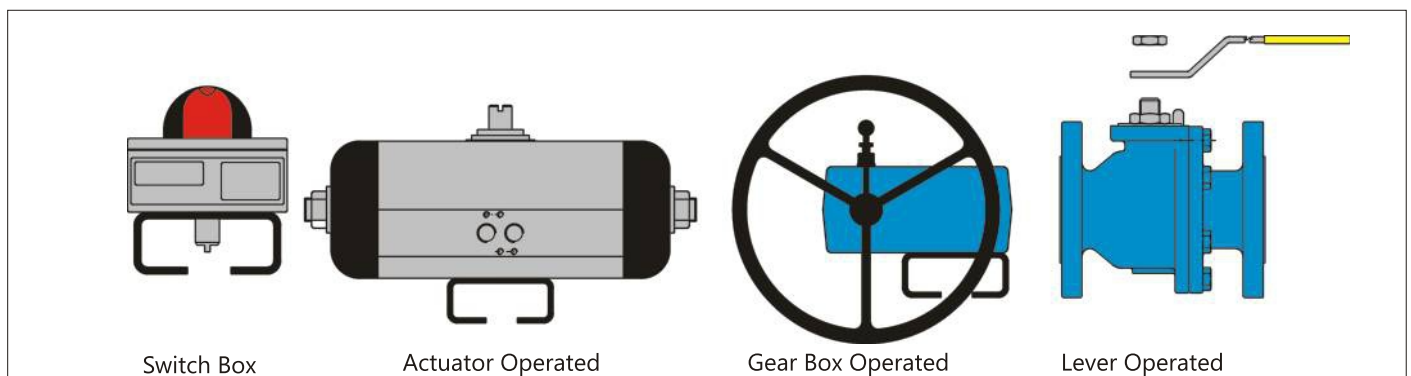


Overlay Ball:
before machining

Overlay Ball:
after machining



VALVE OPERATION



Valve operation:

YDB VALVES offers an option of operating the valve by hand lever, gear operator or actuator. Length of lever and diameter of handwheel (maximum 31-1/2") of gear operator are designed to keep operating forces less than 80 lb. All valves have a stopper for fully opened and closed position along with indicator to show position of ball port.



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