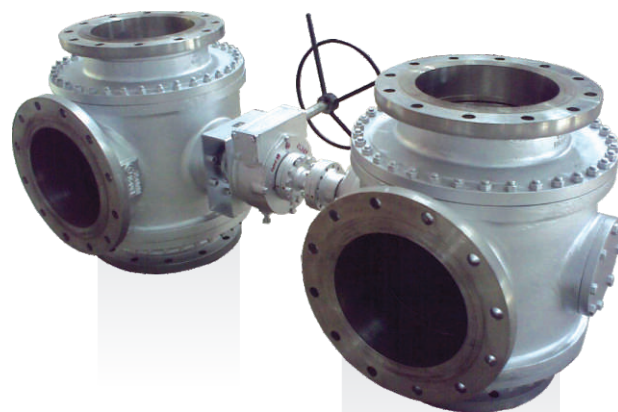


Multiport Ball Valves



Valve that
never has to
leave the line



CE



SIL



**Flowchem
Industries**

Multiport Ball Valve



3-WAY, 4-WAY, 5-WAY BALL VALVE.

- Range : ½" to 14"
- Pressure : 150#, 300#, 600# & 900#
- Leak free operation
- Low Torque for easy operation
- Full Port / Reduced Port
- End Connection : Flanged RF & RTJ
- Butt weld / Socket weld





Manufacturing

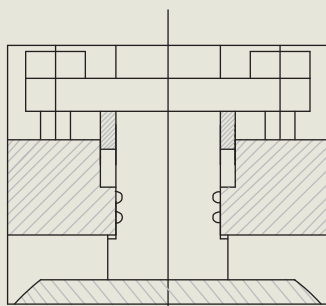
Flow chem. Workshop having 1775 Sq.Mtrs. Floor area, 170 HP power connection CNC m/c, Fire safe bench, Cv Testing bench, Hydro pneumatic Testing facilities, we have our foundry with in-house heat treatment and physical & chemical testing lab.

We have been making an enormous investment in testing equipment and the inspection process, and no valve goes to the next stage of the production process without passing the inspection standard of each process. We conduct a test of the quality and chemical composition of the raw material. Dimensional and inspection are rigidly on every components of the assembly our valves are subjected to 100% pressure tests to guarantee user`s full satisfaction in addition.

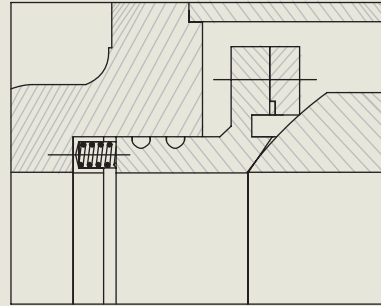
Flow chem quality system is established according to ISO 9001:2008 & API Q1 and guarantee the best quality by observing procedures stringently at every stage.

Engineering Data

DESIGN	: Manufacturer Standard
TESTING	: BS 12266 - I : 2003 / API 598
RATING	: ANSI CLASS 150#, 300#, 600# & 900#
END	: ANSI B 16.5
FACE TO FACE	: ANSI B16.10 /API-6D



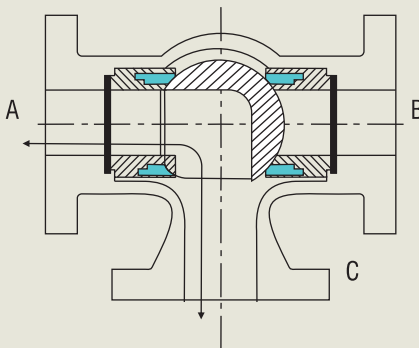
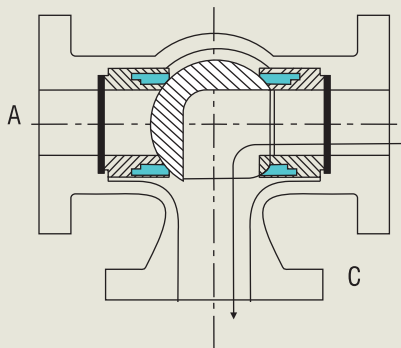
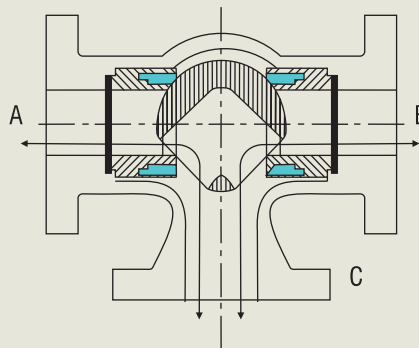
Stem Seal Design



Spring Loaded Seat Ball Valve

Testing Pressure

CLASS	Hyd. Shell KG./Cm2	Hyd. Seat KG./Cm2	Air Seat KG./ Cm2
150	32	23	6
300	80	58	7
600	157	115	7
900	229	169	7

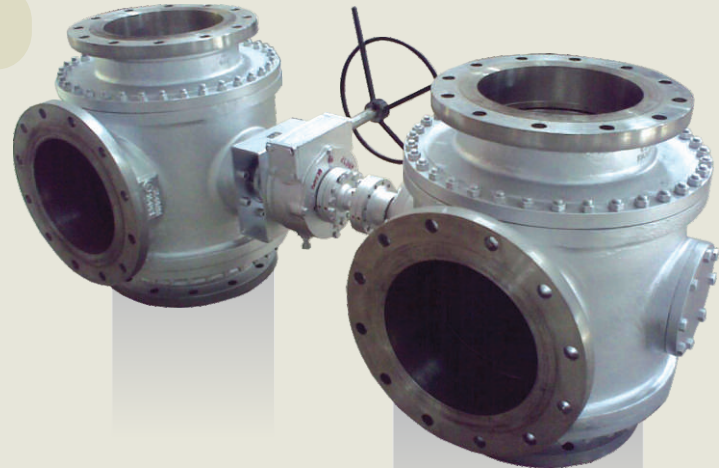


3 Way Ball Valves



Features :

- Floating Ball / Trunnion mounted ball
- Antistatic device
- Full / Reduced port
- Suitable for manual or power assisted operation
- Replaceable seat & seal
- With or without locking arrangement
- Leak free operation
- "L" Port / "T" Port
- End connection : Flanged end / Butt welded



T - Port

No. 1	No. 2	No. 3	No. 4	No. 5	No. 6	No. 7	No. 8	No. 9
T-Port 90°Turn	T-Port 90°Turn	T-Port 90°Turn	T-Port 90°Turn	T-Port 90°Turn	T-Port 180°Turn	T-Port 180°Turn	T-Port 180°Turn	T-Port 360°Turn
Position A	Position A	Position A	Position A	Position A	Position A	Position A	Position A	Position A
Position B	Position B	Position B	Position B	Position B	Position B	Position B	Position B	Position B
				Position C	Position C	Position C	Position C	Position C
								Position D

L - Port

No.10	No.11	No.12	No.13	No.14	No.15	No.16
T-Port 90°Turn	T-Port 90°Turn	T-Port 180°Turn	T-Port 360°Turn	Bottom Entry T-Port 360°Turn	Bottom Entry T-Port 180°Turn	Bottom Entry T-Port 90°Turn
Position A	Position A	Position A	Position A	Position A	Position A	Position A
Position B	Position B	Position B	Position B	Position B	Position B	Position B
	Position C	Position C	Position C	Position C	Position C	
			Position D	Position D		

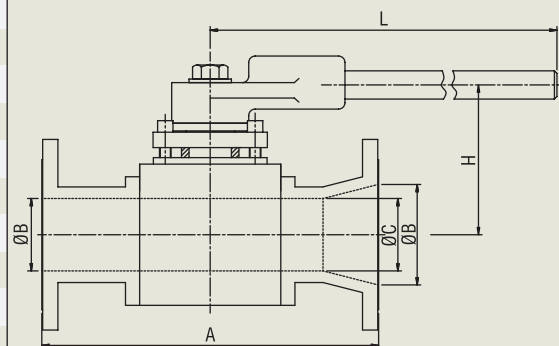




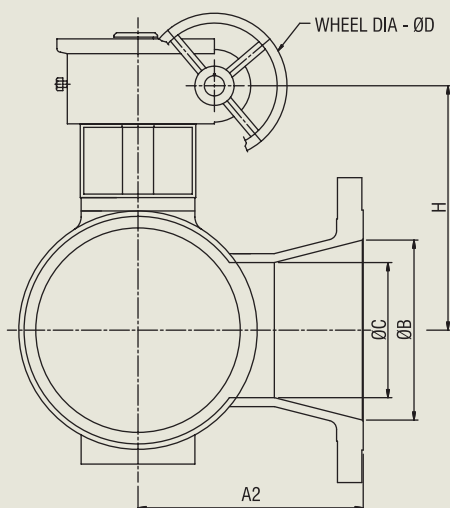
3 Way Ball Valves

Class 150#

SIZE	A	ØB	ØC (RB)	H1 (FB)	L1/ØD1 (FB)	H2 (RB)	L2/ØD2 (RB)
15 MM	139	12	-	75	165	-	-
20	152	18	12	90	230	75	165
25	165	25	18	100	280	80	230
32	213	32	25	106	280	85	230
40	215	38	32	107	350	108	280
50	235	50	38	130	400	107	350
65	280	65	50	140	400	130	400
80	318	75	65	159	450	140	400
100	356	102	75	191	500	159	450
125	400	127	102	215	500	184	500
150	432	152	102	224	500	184	500
200	546	203	152	337	Ø400	284	Ø400
250	598	254	203	374	Ø400	338	Ø400
300	690	305	254	485	Ø600	374	Ø600
350	796	340	305	538	Ø600	485	Ø600



Class 300#



SIZE	A	ØB	ØC (RB)	H1 (FB)	L1/ØD1 (FB)	H2 (RB)	L2/ØD2 (RB)
15 MM	152	12		75	165		
20	163	18	12	90	230	75	165
25	191	25	18	100	280	85	230
32	226	32	25	106	280	100	280
40	220	38	32	107	350	108	280
50	262	50	38	130	400	100	350
65	318	65	50	138	400	130	400
80	365	75	65	159	450	138	400
100	425	102	75	184	500	159	450
150	454	152	102	225	500	184	500
200	572	203	152	350	Ø400	225	500
250	700	250	203	415	Ø500	350	Ø400
300	730	305	250	487	Ø600	415	Ø500

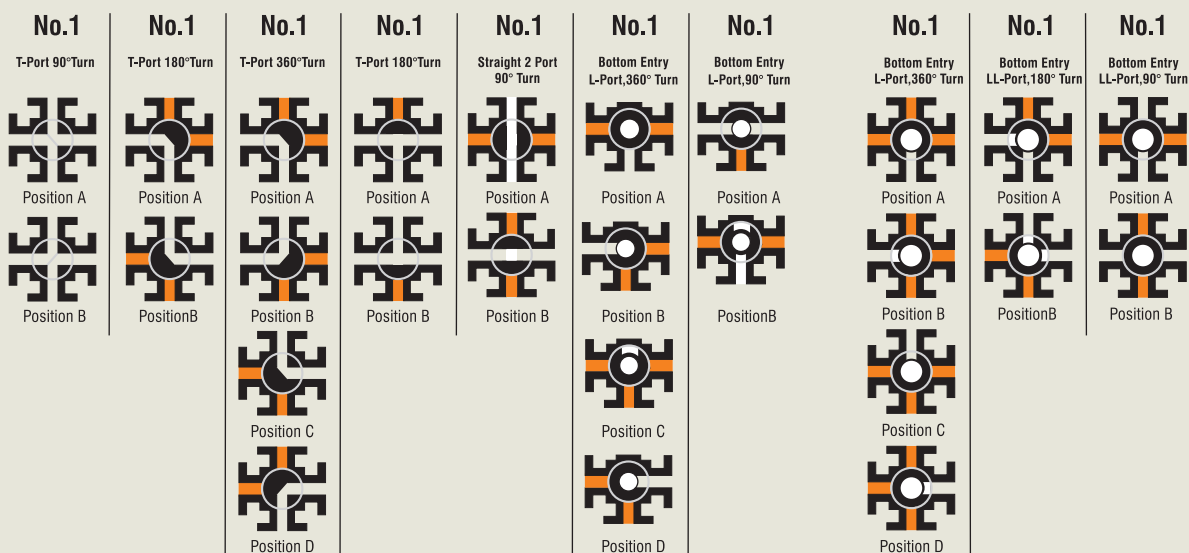
4 Way Ball Valves



Features :

- Floating Ball / Trunnion mounted ball
- Antistatic device
- Full / Reduced port
- Suitable for manual or power assisted operation
- Replaceable seat & seal
- With or without locking arrangement
- Leak free Operation
- “L” Port / “T” Port & “LL” Port
- End connection : Flanged end / Butt welded

4-way ball valves

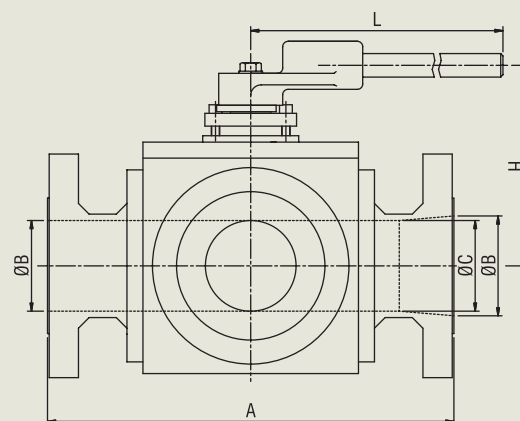




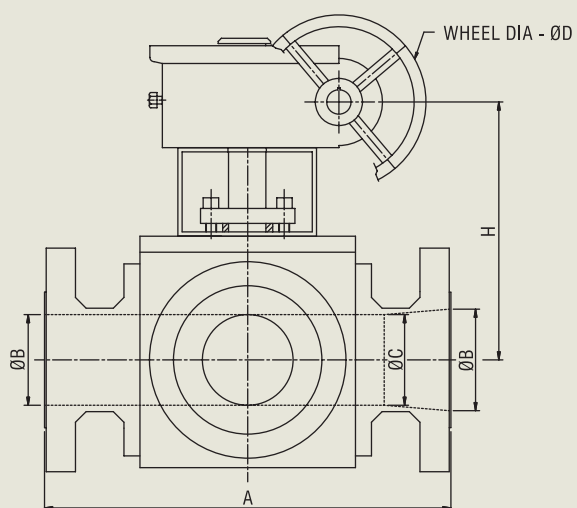
4 Way Ball Valves

Class 150#

SIZE	A	ØB	ØC (RB)	H1 (FB)	L1/ØD1 (FB)	H2 (RB)	L2/ØD2 (RB)
SIZE	A	ØB	ØC (RB)	H1 (FB)	L1 (FB)	H2 (RB)	L2 (RB)
15MM	165	12	-	91	230	-	-
20	165	18	-	90	230	-	-
25	165	25	18	90	230	90	230
32	216	32	25	105	350	90	230
40	216	38	32	105	350	105	350
50	279	50	38	136	400	105	350
65	306	65	50	158	450	136	400
80	356	75	65	184	500	136	400
100	435	102	75	212	600	184	500
150	525	152	102	232	Ø400	212	600
200	640	203	152	320	Ø500	232	Ø400
250	860	254	203	532	Ø600	320	Ø500
300	890	305	254	572	Ø600	532	Ø600



Class 300#



SIZE	A	ØB	ØC (RB)	H1 (FB)	L1/ØD1 (FB)	H2 (RB)	L2/ØD2 (RB)
15MM	190	12	-	90	230	-	-
20	190	18	-	90	230	-	-
25	190	25	18	90	280	90	230
40	235	38	25	105	350	90	280
50	279	50	38	137	400	105	350
65	305	65	50	150	450	137	400
80	381	75	65	187	500	137	400
100	450	102	75	212	600	185	500
150	560	152	102	232	600	212	600
200	590	203	152	380	Ø500	232	600
250	894	254	203	532	Ø600	380	Ø600
300	930	305	254	432	Ø600	432	Ø600



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