

Needle Control Valves

Part No. 1250 to 1255

Used for controlling flow of gas to high-pressure burners available in following sizes in male or female inlet-outlet.

Forged brass body with nitrile o-ring and aluminium wheel

All valves are available in the following specifications :

3/8" MT x 3/8" CU

1/2" MT x 3/8" CU

1/2" MT x 1/2" CU

3/8" BSPF x 3/8" BSPF

3/8" MT x 1/4" CU Right Angle

3/8" CU x 1/4" CU Right Angle

1/2" MECV x 1/2" MECV

1/2" MT x 1/2" MT

3/8" MT x 1/2" MT



Needle Control Valves

Stainless Steel Body

Part No. 1256, 1257, 1258, 1259

Used for controlling flow of gas/chemicals

upto 200 kgs/cm²

3/8" BSPF x 3/8" BSPF

1/2" BSPF x 1/2" BSPF

1" BSPF x 1" BSPF

upto 20 kgs/cm²

3/8" BSPF x 3/8" BSPF

1/2" BSPF x 1/2" BSPF

1" BSPF x 1" BSPF



Q.T. Ball Valves

Raychem

Raychem Ball Valve
Part No. 1278 / 1279

These two piece LPG Ball Valves have their bodies fabricated from forged brass and working parts from stainless steel. Seats and gland washers are P.T.F.E. These valves are full bore, anti-static and fire safe. The lever and spindle have a dual lock system for quarter turn operation. Also available in nozzle outlet for hose connections.

SPECIFICATIONS	
Inlet Size	Outlet Size
1/2" B.S.P.P.F.	1/2" B.S.P.P.F.
1/4" B.S.P.P.F.	1/4" B.S.P.P.F.
3/8" B.S.P.P.F.	3/8" B.S.P.P.F.
1/4" or 3/8" B.S.P.P.F.	Nozzle
1/2" B.S.P.P.F.	Nozzle

Q.T. Combo Ball Valves

Gasman

Part No. 1280, 1280 A, 1280 B & 1280 C

These two piece LPG Ball Valves have their bodies forged from Brass Alloy and working parts from stainless steel. Seats and gland washers are P.T.F.E. These valves are full bore, anti-static. The lever and spindle have a dual lock system for quarter turn operation.

1/2" BSPF x 1/2" BSPM

1/2" BSPT x 1/2" LHM

1/2" BSPT x 3/8" CU

1/2" BSPM x 1/2" BSPM

One Piece Design

Screwed Ball Valve (FB)

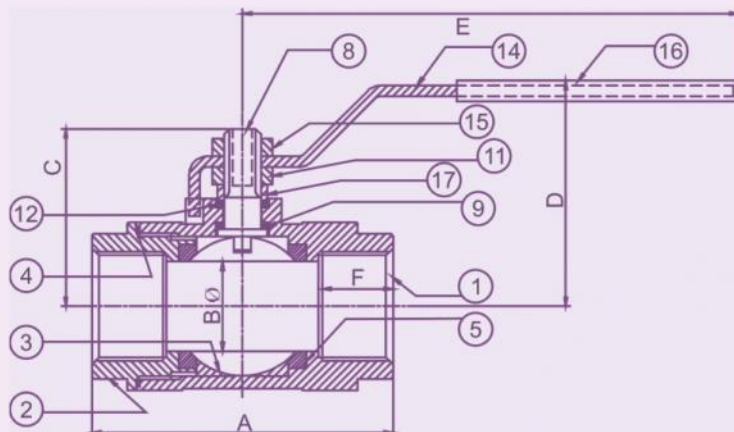
Part No. 1270 to 1274 and 1270A to 1274A

Design Standard : IS 9890-1981

Pressure Testing : BS 6755 Part I/API 598/IS 6157-1981

Screwed Dimensions : ANSI B 1.20.1/BS 21/IS 554

Available in CS Body and SS CF 8 Body



No.	Name Of The Component	Quantity	Material Of Construction for CS	Material Of Construction for SS CF 8
1	Body	1	ASTM A216 GR WCB	ASTM A 351 GR CF 8
2	Body Nut	1	ASTM A216 GR WCB	ASTM A 351 GR CF 8
3	Ball	1	AISI 304 / CF8	AISI 304 / CF8
4	Body Gasket	1	P.T.F.E.	P.T.F.E.
5	Seat	2	P.T.F.E.	P.T.F.E.
6	Stem	1	AISI 304	AISI 304
7	Stem Seal	1	P.T.F.E.	P.T.F.E.
8	Gland Nut	1	Carbon Steel	Carbon Steel
9	Gland Packing	1	P.T.F.E.	P.T.F.E.
10	Lever	1	Carbon Steel	Carbon Steel
11	Lever Nut	1	Carbon Steel	Carbon Steel
12	Sleeve	1	P.V.C.	P.V.C.
13	Gland	1	Carbon Steel	Carbon Steel

Sizes	A	BØ	C	D	E	F	
½"	15	63	12.7	43	62	120	17.0
¾"	20	73	19.0	47	65	120	19.0
1"	25	85	25.4	51	70	150	21.0
1½"	40	105	37.5	73	90	175	22.5
2"	50	125	50.0	83	107	225	26.5

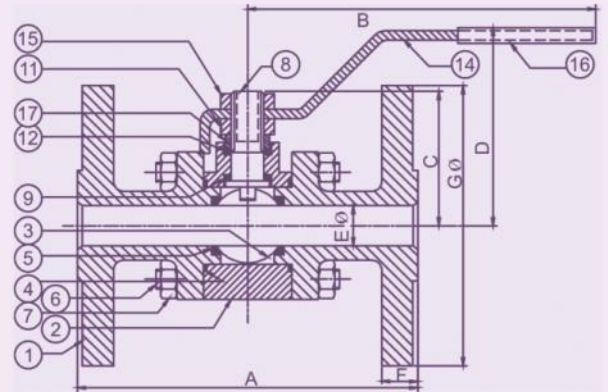
Pressure Table				
Class	Test	Medium	Min	
			PSI	BAR
150	Shell	Hydrostatic	440	31
	Seat	Hydrostatic	300	21
	Seat	Air	85	6

Three Piece Design Flanged/Screwed Ball Valve (FB) IC Square

Part No. 1290 to 1294 + 1290A to 1294A

Design Standard : IS 9890-1981
 Pressure Testing : BS 6755 Part I/API 598/IS 6157-1981
 Flange Dimensions : ANSI B 16.5 ASA 150
 Face to Face : ANSI B 16.10./IS 9884-1981

Available in CS and SS CF 8 Body



No.	Name Of The Component	Quantity	Material Of Construction for CS	Material Of Construction for SS CF 8
1	Flanged End	2	ASTM A216 GR WCB	ASTM A351 GR CF8
2	Body	1	ASTM A216 GR WCB	ASTM A351 GR CF8
3	Ball	1	AISI 294 / CF8	AISI 304/CF8
4	Body Gasket	2	P.T.F.E.	P.T.F.E.
5	Seat	2	P.T.F.E.	P.T.F.E.
6	Body Stud	4/6	Carbon Steel	AISI 304
7	Body Nut	8/12	Carbon Steel	AISI 304
8	Stem	1	AISI 304	AISI 304
9	Stem Seal	1	P.T.F.E.	P.T.F.E.
11	Gland Nut	1	Carbon Steel	AISI 304
12	Gland Packing	1	P.T.F.E.	P.T.F.E.
13	Lever	1	Carbon Steel	SS/Carbon Steel
14	Lever Nut	1	Carbon Steel	AISI 304
15	Sleeve	1	P.V.C	P.V.C
16	Gland	1	Carbon Steel	AISI 304

Sizes	A	F	EØ	C	D	B	GØ
1"	25	127	11.5	25.1	51	70	108
1½"	40	165	14.5	37.5	73	88	127.0
2"	50	178	16.0	50.0	82	106	152.4
3"	80	203	19.0	75.4	110	130	190.5
4"	100	229	24.0	99.5	140	156	229.0

Pressure Table				
Class	Test	Medium	Min	
			PSI	BAR
150	Shell	Hydrostatic	440	31
	Seat	Hydrostatic	300	21
	Seat	Air	85	6

One Piece Design Flanged Ball Valve (FB)

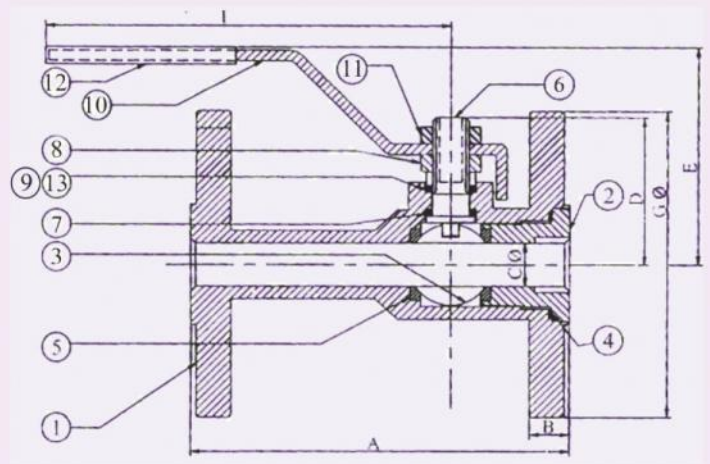
Part No. 1322 to 1325 + 1322A to 1325A

Design Standard : IS 9890-1981
 Pressure Testing : BS 6755 Part I/API 598/IS 6157-1981
 Flange Dimensions : ANSI B 16.5 ASA 300/ASA 150
 Face to Face : ANSI B 16.10./IS 9884-1981

Available in CS Body



No.	Name Of The Component	Quantity	Material Of Construction for CS
1	Flanged End	2	ASTM A216 GR CS
2	Body	1	ASTM A216 GR CS
3	Ball	1	AISI 294 / CF8
4	Body Gasket	2	P.T.F.E.
5	Seat	2	P.T.F.E.
6	Stem	1	AISI SS 304
7	Stem Seal	1	P.T.F.E.
8	Gland Nut	1	Carbon Steel
9	Gland Packing	1	P.T.F.E.
10	Lever	1	Carbon Steel
11	Lever Nut	1	Carbon Steel
12	Sleeve	1	P.V.C
13	Gland	1	Carbon Steel



Class 150

Pressure Table				
Class	Test	Medium	Min	
			PSI	BAR
150	Shell	Hydrostatic	440	31
	Seat	Hydrostatic	300	21
	Seat	Air	85	6

Sizes	A	B	CØ	D	E	F	GØ
1"	25	127	11.5	25.4	51	70	150
1½"	40	165	14.5	37.5	73	91	175
2"	50	178	16.0	50.0	82	107	225
3"	80	203	19.0	75.4	109	128	325

Class 300

Pressure Table				
Class	Test	Medium	Min	
			PSI	BAR
300	Shell	Hydrostatic	1095	77
	Seat	Hydrostatic	795	56
	Seat	Air	85	6

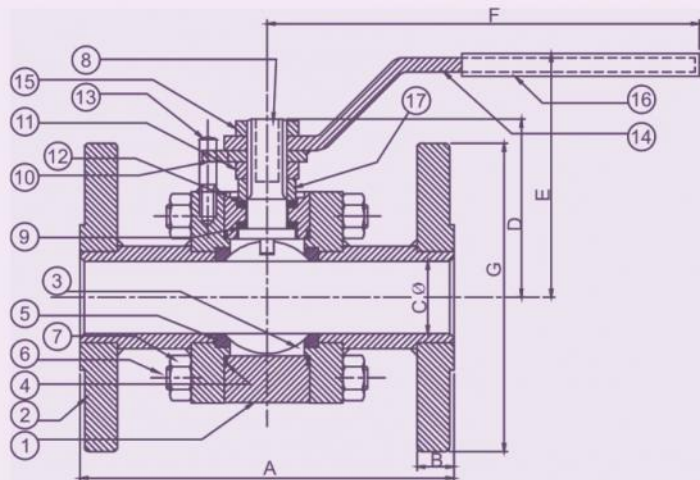
Sizes	A	B	CØ	D	E	F	GØ
1"	25	165	17.5	25.4	64	78	175
1½"	40	191	21.0	37.5	73	100	215
2"	50	216	22.5	50.0	92	123	273
3"	80	283	28.5	75.4	122	137	400

Carbon Steel Three Piece Design Flanged Ball Valve (FB) Bar Stock

Part No. 1312 to 1315

Design Standard : IS9890-1981
 Pressure Testing : BS6755 Part I/API 598/IS 6157-1981
 Flange Dimensions : ANSI B 16.5 ASA 150
 Face to Face : ANSI 16.10/IS9884-1981

Available in CS body



Sizes	A	B	CØ	D	E	F	GØ
1"	25	127	11.5	25.4	63	82	108.0
1½"	40	165	14.5	37.5	74	93	127.0
2"	50	178	15.0	50.0	88	110	152.4
3"	80	203	19.0	75.4	109	132	190.5
4"	100	229	24.0	99.5	141	162	229.0

No.	Name Of The Component	Quantity	Material Of Construction
1	Body	1	Carbon Steel
2	Flanged End	2	Carbon Steel
3	Ball	1	AISI 304 / CF8
4	Body Gasket	2	P.T.F.E.
5	Seat	2	P.T.F.E.
6	Body Stud	4/6	Carbon Steel
7	Body Nut	8/12	Carbon Steel
8	Stem	1	AISI 304
9	Stem Seal	1	P.T.F.E.
10	Lever Stop Plate	1	Carbon Steel
11	Gland Nut	1	Carbon Steel
12	Gland Packing	1	P.T.F.E.
13	Stop Pin	1	Carbon Steel
14	Lever	1	Carbon Steel
15	Lever Nut	1	Carbon Steel
16	Sleeve	1	P.V.C.
17	Gland	1	Carbon Steel

Pressure Table				
Class	Test	Medium	Min	
			PSI	BAR
150	Shell	Hydrostatic	440	31
	Seat	Hydrostatic	300	21
	Seat	Air	85	6