

# EXCEED™ GATE VALVE - Class 150 / 300

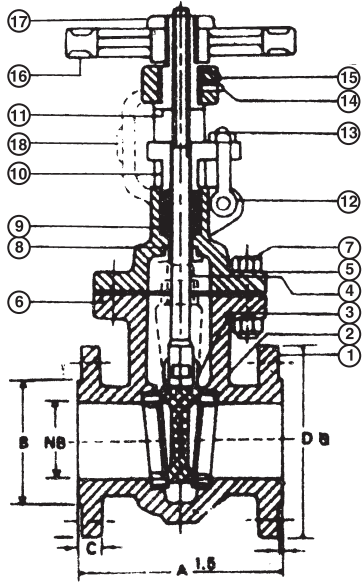


## Engineering Options :

- (1) Special materials on request
- (2) Remote operation on request

## Technical Data :

**Manufacturing Std.** : API 600, BS 1414  
**Testing & Inspection Std.** : API 598  
**Face to Face** : As per ANSI B 16.10  
**End Connections** : Flanged as per ANSI 16.5 RF



E : Hole F : PCD G : Hole Dia

No	Parts Name	Qty.	Materials
1	Body	1	C.S. ASTM A216 Gr. WCB
2	Seat Rings	2	S.S. 13%Cr.
3	Wedge	1	IC S.S. 410
4	Spindle	1	S.S. AISI 410
5	Bonnet	1	C.S. ASTM A216 Gr. WCB
6	Gasket	1	Spiral wound metallic gasket / Champion Style 59
7	Bonnet Stud & Nut	Reqd.	ASTM A 193 Gr. B7 ASTM A 193 Gr. 2H / M.S.
8	Bonnet Bush	1	S.G. Iron
9	Gland Packing	6 Min	Graphited
10	Gland	1	S.G. Iron
11	Yoke Bush	1	G.M. / S.G. Iron
12	Cros Bolt & Nut	2/2	Carbon Steel / M.S.
13	Eye Bolt & Nut	2/2	Carbon Steel / M.S.
14	Grub Scew	1	Carbon Steel / M.S.
15	Hand Wheel	1	S.G. Iron
16	Wheel Nut	1	S.G. Iron
17	Name Plate	1	Aluminium

### ASA 300

SIZE NB.	A	B	C	D	E	F	G
40	191	73	21	156	4	114	22
50	216	92	22	165	8	127	22
65	241	105	25	190	8	149	22
80	282	127	29	209	8	168	22
100	305	157	32	254	8	200	22
125	381	186	35	279	8	235	22
150	403	216	37	318	12	270	22
200	419	270	41	381	12	330	25
250	457	324	48	445	16	387	29
300	502	381	51	521	16	451	32
350	762	413	54	585	20	515	32
400	838	470	58	648	20	572	35

### ASA 150

SIZE NB.	A	B	C	D	E	F	G
25	127	51	14	108	4	79	16
40	165	73	14	127	4	98	16
50	178	92	16	152	4	121	19
65	190	105	17	178	4	140	19
80	203	127	19	190	4	152	19
100	229	157	24	229	8	190	19
125	254	186	24	254	8	216	22
150	267	216	25	278	8	241	22
200	292	270	29	343	8	298	22
250	330	324	30	406	12	362	25
300	356	381	32	483	12	431	25
350	381	413	35	534	12	477	29
400	406	470	37	597	16	540	29

### SERVICE RATING & TEST PRESSURE

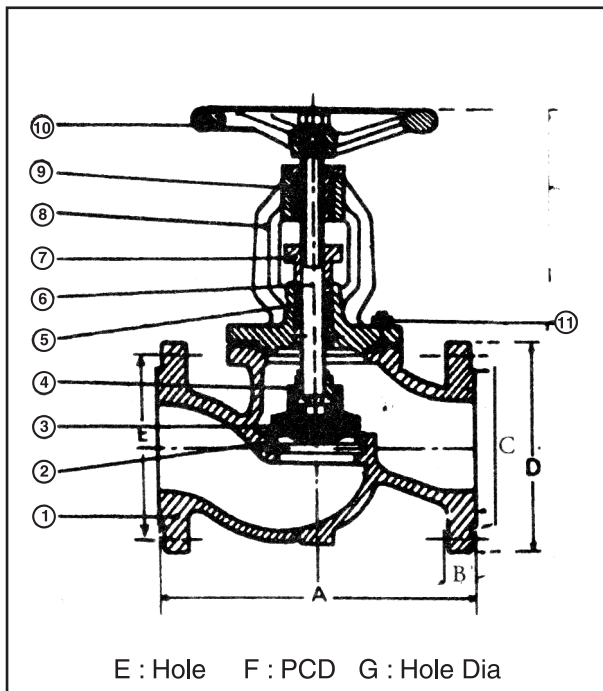
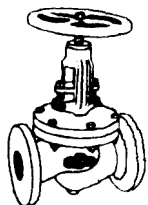
Class	Working Pressure	Temp	Hyd. Test Pressure Body	Seal
150	150 PSIG	500°F	425 PSIG	300 PSIG
300	300 PSIG	850°F	1100 PSIG	800 PSIG

\* All Dimensions are in m.m.

**Mfrs. & Suppliers of : ALL SORTS OF INDUSTRIAL VALVES**  
 8, Shree Jalaram Estate, Opp. P.W.D. Stores,  
 B/h. Chakudia Mahadev, Rakhial, Ahmedabad - 380023.  
 Tel. / Fax : 079 22771744 Mobile : 9898078354  
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# EXCEED™ GLOBE VALVE - DIN STD. ND.16 / ND-40



### Technical Data :

**Manufacturing Std.** : BS 1873  
**Testing & Inspection Std.** : API 598 / BS 5146  
**Face to Face** : As per DIN ND - 16/ ND - 40  
**End Connections** : Flanged as per  
 DIN 2533 / 2543 / 2535 / 2545

No	Parts Name	Qty.	Materials
1	Body	1	ASTM A 216 Gr. WCB
			ASTM A 351 CF8/F8M/CN7M
2	Seat	1	AISI - 410
3	Valve	1	AISI - 410
4	Back Seat	1	AISI - 410
5	Gland Packing		Graphited
6	Spindle	1	AISI - 410
7	Gland	1	S.G. Iron
8	Bonnet	1	IS 210 Gr. 220
			ASTM A 216 Gr. WCB
			ASTM A 351 CF8/CF8M/CN7M
9	Yoke Bush	1	S.G. Iron
10	Hand Wheel	1	S.G. Iron
11	Stud / Nut	Req. 2/2	ASTM A 193 Gr. B7
			ASTM A 194 Gr. 2H / M.S.

SIZE NB.	A	B	C	D	E
15	130	16	45	95	65
20	150	18	58	105	75
25	160	18	68	115	85
40	200	18	88	150	110
50	230	20	102	165	125
65	290	22	122	185	145
80	310	24	138	200	160
100	350	24	162	235	190
125	400	26	188	270	220
150	480	28	218	300	250
200	600	34	285	375	320

### Primary Service Rating and Temperature

ND 16	16 Kg / cm <sup>2</sup>	120°C
ND 40	40 Kg / cm <sup>2</sup>	400°C

### Hydraulic Test Pressure

	Body	Seat
ND 16	16 Kg / cm <sup>2</sup>	120°C
ND 40	40 Kg / cm <sup>2</sup>	400°C

\* All Dimensions are in m.m.

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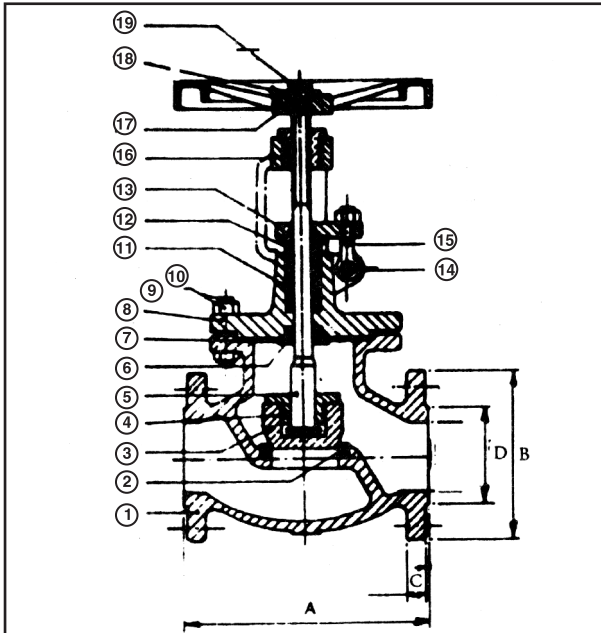
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# EXCEED<sup>TM</sup> GLOBE VALVE - Class 150 / 300



## Technical Data :

**Manufacturing Std.** : BS 1873  
**Testing & Inspection Std.** : API 598 / BS 5146  
**Face to Face** : As per ANSI B 16.10  
**End Connections** : Flanged as per  
 ANSI 16.5 RF / BS 1560



F Nos. Holes of 0 'E' on PCD drilled equispaced off center

No	Parts Name	Qty.	Materials
1	Body	1	ASTM A 216 Gr. WCB
			ASTM A 351 CF8/F8M/CN7M
2	Seat	1	AISI - 410
3	Valve	1	AISI - 410
4	Back Seat	1	AISI - 410
5	Gland Packing		Graphited
6	Spindle	1	AISI - 410
7	Gland	1	S.G. Iron
8	Bonnet	1	IS 210 Gr. 220
			ASTM A 216 Gr. WCB
			ASTM A 351 CF8/CF8M/CN7M
9	Yoke Bush	1	S.G. Iron
10	Hand Wheel	1	S.G. Iron
11	Stud / Nut	Req. 2/2	ASTM A 193 Gr. B7
			ASTM A 194 Gr. 2H / M.S.

### ASA 300

SIZE NB.	A	B	C	D	E	F
25	203	124	17.5	89	19	4
40	229	155.5	20.5	114	22	4
50	267	165	22	127	22	8
65	292	190.5	25	149	22	8
80	317.5	209.5	28.5	167	22	8
100	356	254	32	200	22	8
125	375	279	35	235.4	22	8
150	444.5	317.5	36.5	270	22	12
200	533	381.4	41	330	25	12
250	622	444.5	47.5	387	28.5	16

### ASA 150

SIZE NB.	A	B	C	D	E	F
25	127	108	11	79	16	4
40	165	127	14	98.5	16	4
50	203	152	16	120.5	19	4
65	216	178	17.5	140	19	4
80	241	190.5	19	154	19	4
100	292	292	24	190.5	19	8
125	356	254	24	216	22	8
150	406	279	25	241	22	8
200	495	343	28.5	298	22	8
250	622	406	30	362	25	12

### SERVICE RATING & TEST PRESSURE

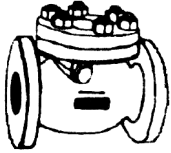
Class	Working Pressure	Temp	Hyd. Test Pressure	
			Body	Seat
150	150 PSIG	500°F	425 PSIG	300 PSIG
300	300 PSIG	850°F	1100 PSIG	800 PSIG

\* All Dimensions are in m.m.

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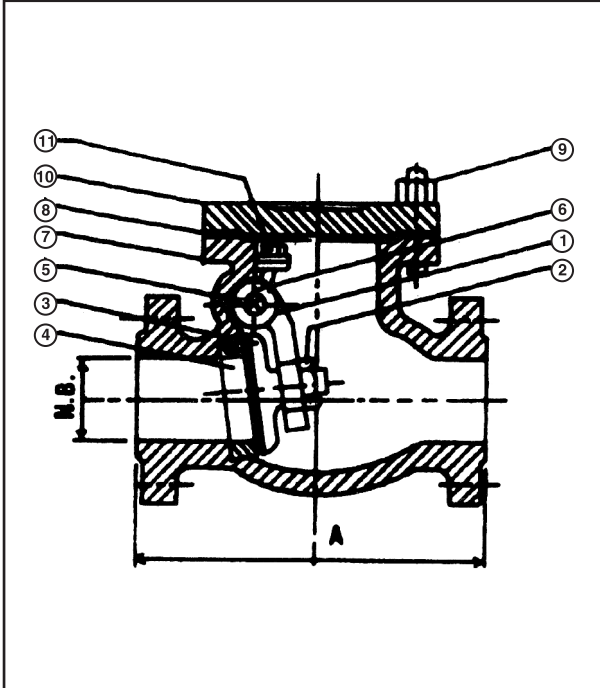


# EXCEED™ SWING CHECK VALVE - Class 150 / 300 / 600



### Technical Data :

**Manufacturing Std.** : BS 1873  
**Testing & Inspection Std.** : API 598 / BS 5146  
**Face to Face** : As per ANSI B 16.10  
**End Connections** : Flanged as per  
 ANSI 16.5 RF / BS 1560



No	Parts Name	Qty.	Materials
1	Lever Arm	1	ASTM A 216 Gr. WCB
			ASTM A 351 CF8/CN7M
2	Arm Nut	1	C.S./S.S. 316 / S.S. 304
3	Disc.	1	C.S. With 13% Cr.
			S.S. 316 / S.S. 304
4	Seat Ring	1	S.S. 13% Cr.
			Integral Seat for Alloy Steel Valve
5	Arm Pin	1	AISI 410, 304, 316 A-20
6	Bracket	1	ASTM A216 Gr. WCB
			ASTM A351 Gr. CF8/CF8M/CN7M
7	Body	1	ASTM A216 Gr. WCB
			ASTM A351 Gr. CF8/CF8M/CN7M
8	Body Seal	1	Compressed Asbestos Fibre
9	Stud & Nut	As Req.	ASTM 193 Gr. B7
			ASTM 194 Gr. 2H
10	Cover Plate	1	ASTM A216 Gr. WCB
			ASTM A351 Gr. CF8/CF8M/CN7M
11	Bracket/Stud/Nut	22	CARBON STEEL/S.S.304/S.S. 316

HYDROSTSTIC TEST PRESSURE		
Class	Body	Seat
150	450 PSIG	300 PSIG
300	1100 PSIG	750 PSIG
600	2175 PSIG	1500 PSIG

SERVICE RATING		
Class	Pressure	Temp
150	150 PSIG	500°F
300	300 PSIG	850°F
600	600 PSIG	850°F

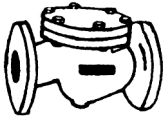
NB	25 mm	40	50	65	80	100	125	150	200	250	300
ASA-150 Cl. A	127	165	203	216	241	292	330	356	495	622	698
ASA-300 Cl. A	203	229	267	292	317	356	400	445	559	622	711
ASA-600 Cl. A	216	241	292	330	356	432	508	559	660	787	838

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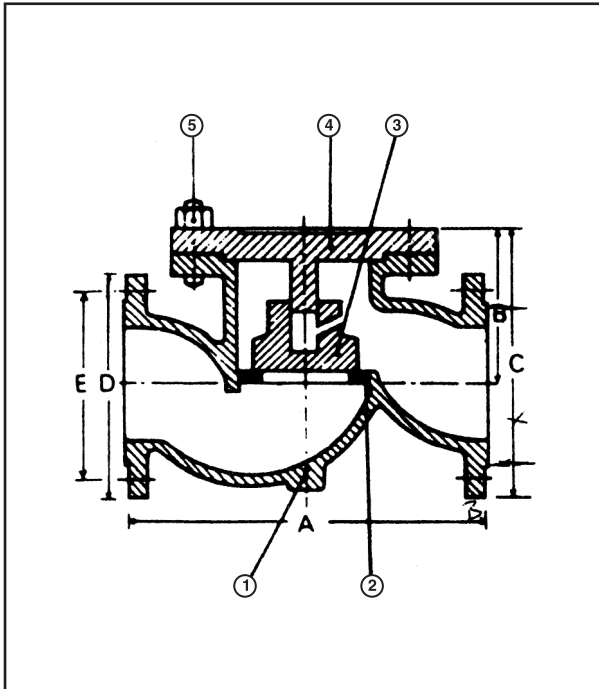


# EXCEED<sup>TM</sup> LIFT TYPE NON-RETURN VALVE



## Technical Data :

**Manufacturing Std.** : BS 1868  
**Testing & Inspection Std.** : API 598 /BS 5146  
**Face to Face** : As per DIN ND - 16/ ND - 40  
**End Connections** : Flanged as per  
 DIN 2533 / 2543 / 2545 / BS 1560



No	Parts Name	Qty.	Materials
1	Body	1	IS 210 Gr. 220
			ASTM A 216 Gr. WCB
			ASTM A 351 Gr. CF8/CF8M/CN7M
2	Seat	1	C.S. 13% Crom./304/316/A20
3	Valve Disc.	1	SS 13% Crom/304/316/A20
4	Cover	1	IS 210 Gr. 220
			ASTM A 216 Gr. WCB
			ASTM A 351 Gr. CF8/CF8M/CN7M
5	Stud / Nut	Reg.	ASTM A 193 Gr. B7
			ASTM A 194 Gr. 2H / M.S.

SIZE NB.	A	B	C	D	E
15	130	16	45	95	65
20	150	18	58	105	75
25	160	18	68	115	85
40	200	18	88	150	110
50	230	20	102	165	125
65	290	22	122	185	145
80	310	24	138	200	160
100	350	24	162	235	190
125	400	26	188	270	220
150	480	28	218	300	250
200	600	34	285	375	320

## Primary Service Rating and Temperature

ND 16	16 Kg / cm <sup>2</sup>	220°C
ND 40	40 Kg / cm <sup>2</sup>	400°C

## Hydraulic Test Pressure

STD	Body	Seat	Air
ND 16	32 Kg / cm <sup>2</sup>	16 Kg / cm <sup>2</sup>	7 Kg / cm <sup>2</sup>
ND 40	80 Kg / cm <sup>2</sup>	40 Kg / cm <sup>2</sup>	7 Kg / cm <sup>2</sup>

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# EXCEED<sup>TM</sup> Y-TYPE STAINERS

## Technical Data :

Face to Face

: As per DIN ND - 40 Type

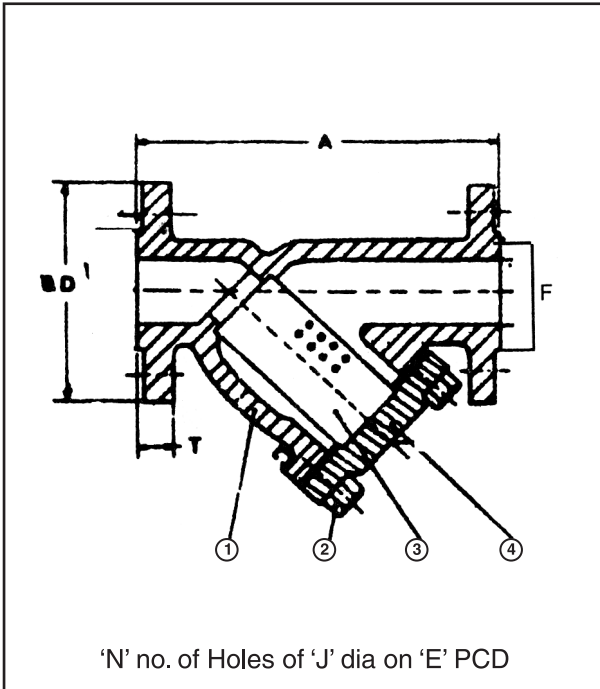
End Connections

: Flanged as per

DIN 2533 / 2543 / 2535 / 2545

Screwed BSP

Socket / Weld to ANSI B 16.34



No	Parts Name	Qty.	Materials
1	Body	1	ASTM A 216 Gr. WCB
			ASTM A 351 Gr. CF8
			ASTM A 351 Gr. CF8M
			GM (85/5/5/5)
			IS 210 Gr. 220
2	Stud Nut	4/8/12	ASTM A 193 Gr. B7
			ASTM A 193 Gr. 2H
			SS 304
3	Screen	1	SS 304
			SS 304
			GM
4	Cover	1	ASTM A 216 Gr. WCB
			ASTM A 351 Gr. CF8
			ASTM A 351 Gr. CF8M
			IS 210 Gr. 220
			Alloy 20

SIZE	NB.	A	D	F	N	E	J	T
25	25	160	115	68	4	85	14	18
40	38	200	150	88	4	110	18	18
50	51	230	165	102	4	125	18	20
65	64	290	185	122	8	145	18	22
80	76	310	200	138	8	160	18	24
100	102	350	235	162	8	190	23	24
125	126	400	270	180	8	220	27	26
150	152	480	300	218	8	250	27	28
200	203	600	375	285	12	320	30	35

SERVICE RATING	
40 Kg / cm <sup>2</sup>	400°C
Hydraulic Test Pressure	
Body	80 Kg / cm <sup>2</sup>

\* All Dimensions are in m.m.

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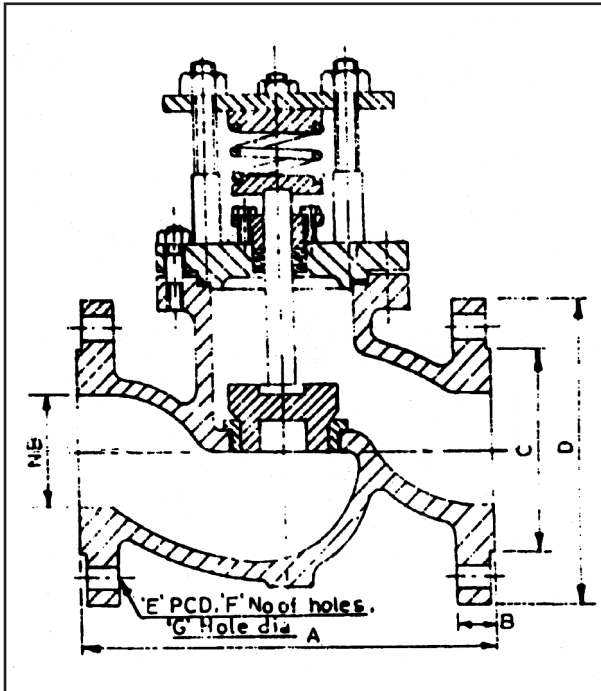
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# EXCEED<sup>TM</sup> STRAIGHT PATTERN SPRING LOADED SAFETY VALVE



No	Parts Name	Qty.	Materials
1	Body	1	ASTM A216 Gr. WCB
2	Plate	1	Mild Steel
3	Seat	1	S/Steel 13% Crom. (410)
4	Valve Disc	1	S/Steel 13% Crom. (410)
5	Gasket	1	Spiral Wound
6	Stud / Nuts	Req.	M.S. S/S 304 / 316
7	Spring	1	Spring Steel
8	Gland	1	Mild Steel
9	Gland Packing	Req.	Asbestos

SIZE	A	B	C	D	E	F	G
25	160	18	68	115	85	4	14
40	200	18	88	150	110	4	18
50	230	20	102	160	125	4	18
65	290	22	122	180	145	8	18
80	310	24	138	200	160	8	18
100	350	24	162	235	190	8	23
125	400	26	188	270	220	8	27
150	480	28	218	300	250	8	27
200	600	34	285	320	320	12	30

## Primary Service Rating and Temperature

ND 16	16 Kg / cm <sup>2</sup>	120°C
ND 40	40 Kg / cm <sup>2</sup>	400°C

## Hydraulic Test Pressure

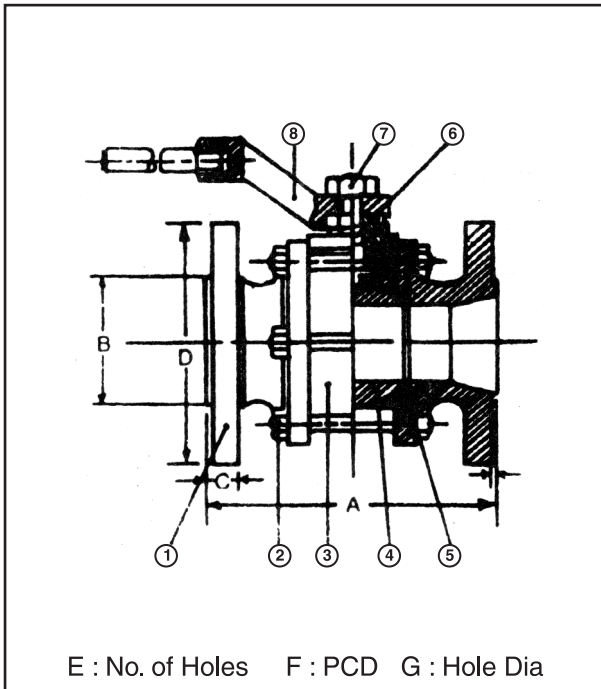
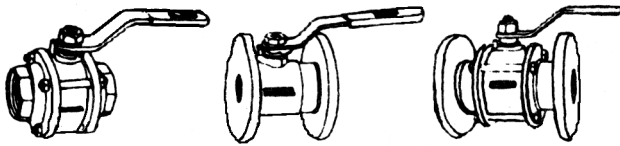
Body	Body	Seat
ND 16	32 Kg / cm <sup>2</sup>	16 Kg / cm <sup>2</sup>
ND 40	80 Kg / cm <sup>2</sup>	40 Kg / cm <sup>2</sup>

\* All Dimensions are in m.m.

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# EXCEED™ BALL VALVE - Class 150 / 300



### Technical Data :

**Construction** : 3 piece, blowout proof stem, floating ball, soft seated, Full Bore / Reduced Bore.  
**Manufacturing Std.** : As per BS 5351  
**Testing & Inspection Std.** : As per BS 5146  
**Face to Face** : As per ANSI B 16.10  
**End Connections** : Flanged as per ANSI 16.5 RF

No	Parts Name	Qty.	Materials
1	End Pieces	2	CI (IS 210 Gr. 220)
			CS (ASTM A216 Gr. WCB)
			MS (EN 8)
			SS (AISI 304)
			SS (AISI 316)
			GM (85/5/5/5)
2	Stud / Nut	Req	MS ASTM A 193 Gr. B7
			MS ASTM 194 Gr. 2H
3	Body	1	CI (IS 210 Gr. 220)
			CS (ASTM A216 Gr. WCB)
			MS (EN 8)
			SS (AISI 304)
			SS (AISI 316)
			GM (85/5/5/5)
4	Ball	1	SS 304 (4% Nickle)
5	Seat	2	Teflon PTFE
6	Stem	1	SS 304 / 316
7	Interlock Nut	1	MS
8	Lever	1	MS

ASA 300							
SIZE NB.	A	B	C	D	E	F	G
40	191	73	21	156	4	114	22
50	216	92	22	165	8	127	22
65	241	105	25	190	8	149	22
80	282	127	29	209	8	168	22
100	305	157	32	254	8	200	22
125	381	186	35	279	8	235	22
150	403	216	37	318	12	270	22
200	419	270	41	381	12	330	25

ASA 150							
SIZE NB.	A	B	C	D	E	F	G
15	108	35	11	89	4	60	16
20	118	43	13	98	4	70	16
25	127	51	14	108	4	79	16
40	165	73	14	127	4	98	16
50	178	92	16	152	4	121	19
65	190	105	17	178	4	140	19
80	203	127	19	190	4	152	19
100	229	157	24	229	8	190	19
125	254	186	24	254	8	216	22
150	267	216	25	279	8	241	22
200	292	270	29	343	8	298	22

SERVICE RATING				
Class	Working Pressure	Body	Hyd. Test Pressure Seat	Temp.
150	150 PSI	425 PSI	300 PSI	500° F
300	300 PSI	1100 PSI	750 PSI	850° F

### Engineering Options :

- (1) Special materials on request
- (2) Remote operation on request
- (3) Solid Ball on request
- (4) Valve design provides for interchangeability of items
- (5) Glass-filled Teflon Seat on request
- (6) sealing materials can be given in grafoil

\* All Dimensions are in m.m.

**Mfrs. & Suppliers of : ALL SORTS OF INDUSTRIAL VALVES**  
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