

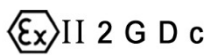
## Ball Valves PN 16/40 AIT & IIT Construction (Carbon Steel and Stainless Steel)



# Fig. 316/340

## DIN 3357 / EN 1983 and Fire Safe

Manufacturing program:

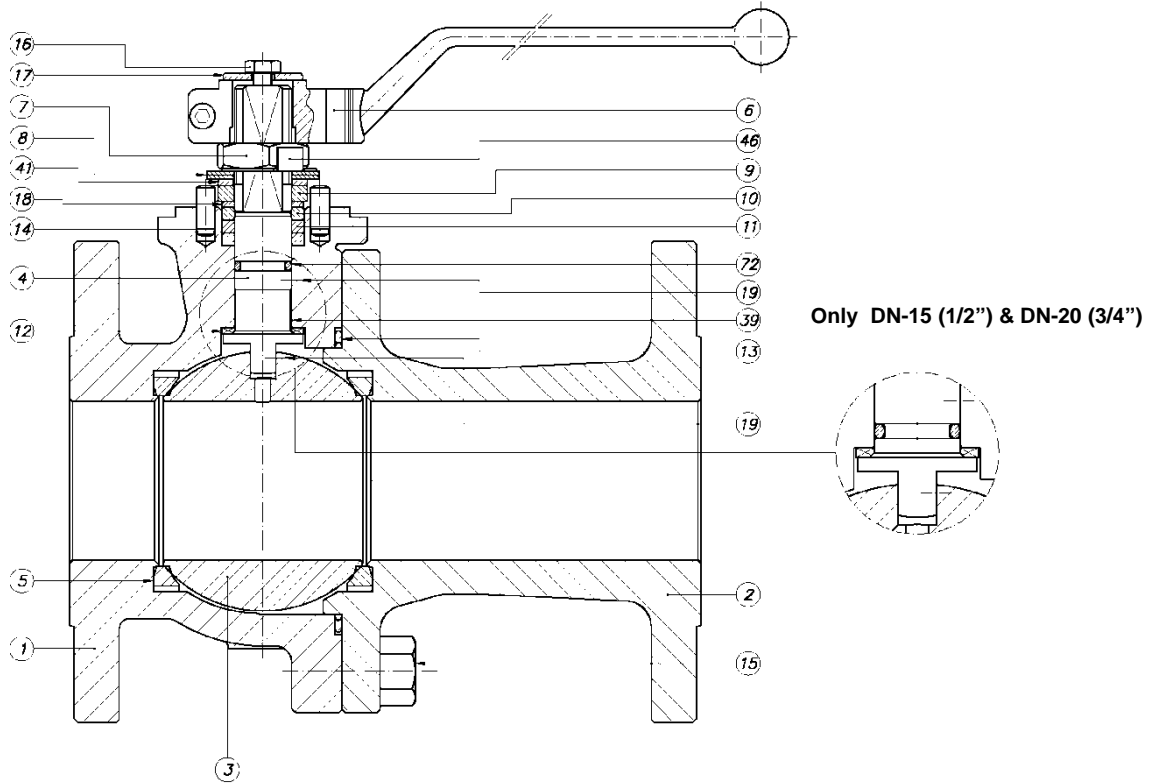


Quality & Environmental Management:





**JC<sup>®</sup> Ball Valves PN 16/40**  
 DN 65 - 150 PN 16  
 DN 15 - 150 PN 40  
*Parts and materials*



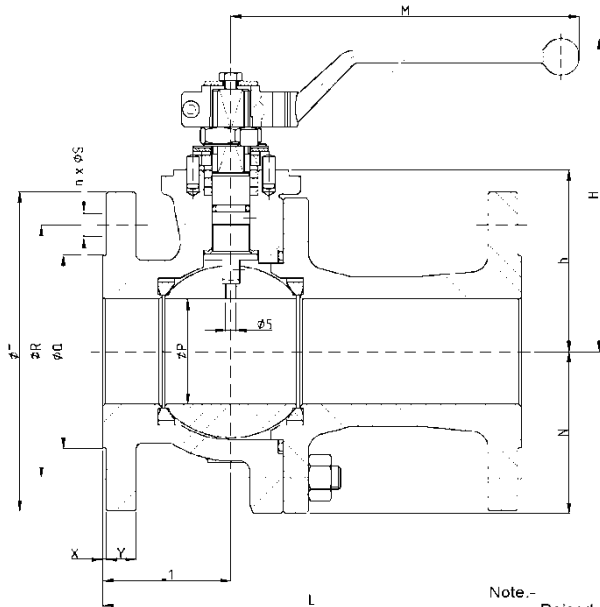
Item	Description	Material	
		AIT	IIT
1	Body	1.0619	1.4408
2	Body connector	1.0619	1.4408
3	Ball	A 351 Gr. CF8M (DN 15 : 25 A 479 Tp.316)	
4	Stem	A 479 Tp.316	
5	Seat ring	PTFE	
6	Wrench	Nodular Iron	
7	Gland nut	Zinc plated carbon steel	AISI 303
8	Disk spring	Carbon St.	E.N.P. Carbon St.
9	Stop plate	Carbon St.	AISI 304
10	Gland	AISI 303	AISI 316
11	Gland packing	Graphite	
12	Stem thrust seal	25% G.F. PTFE	
13	Body connector seal	AISI 316L + PTFE + Graphite	
14	Stop pin	Carbon St.	Stainless St.
15	Bolt	DIN 933 A4-70	
16	Bolt	DIN 933 A4-70	
17	Washer	Zinc plated carbon steel	AISI 304
18	Thrust washer	25% G.F. PTFE	
19	Antistatic device	Stainless St.	
39	Stem bushing	25% G.F. PTFE	
41	Spacer (DN 40 to 200)	Carbon St.	AISI 304
46	Washer	AISI 304	
72	"O" Ring	FKM	
89	Identification plate	Stainless St.	



# Ball Valves PN 16/40

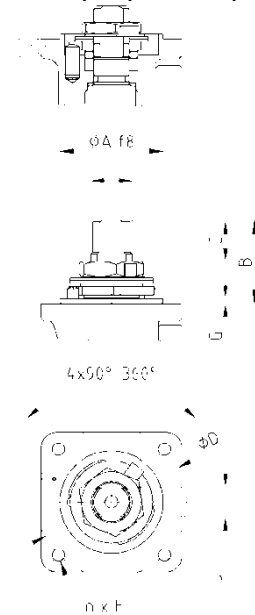
DN 65 - 150 PN 16  
DN 15 - 150 PN 40

## Dimensions



Note.- Raised Face.- Rz: 12,5 ~ 50  
Acc. EN 1092-1:2001

Only DN-15 (1/2") & DN-20 (3/4")



### Series 316 (PN 16)

DN	ØP	L	L1	ØQ	ØR	n x ØS	ØT	X	Y	h	N	H	M	WEIGHT
65	65	290	76	122	145	4x18	185	3	15	97	---	169	348	18,3
80	80	310	82	138	160	8x18	200	3	17	111	---	207	445	24
100	100	350	90	158	180	8x18	220	3	17	133	118	231	495	36
125	125	400	120	188	210	8x18	250	3	19	156	137,5	262	698	58
150	150	480	135	212	240	8x22	285	3	19	183	160	298	698	81

### Series 340 (PN 40)

DN	ØP	L	L1	ØQ	ØR	n x ØS	ØT	X	Y	h	N	H	M	WEIGHT
15	15	130	53	45	65	4x14	95	2	14	46	---	110	164	3
20 (**)	20	150	52	58	75	4x14	104	2	16	53	---	129	164	3,8
25	25	160	49	68	85	4x14	115	2	16	58	---	129	164	5,2
32 (**)	32	180	54	80	100	4x18	140	2	16	66,5	---	131	210	7,6
40	40	200	55	88	110	4x18	150	3	15,5	76	---	148	213	9,6
50	50	230	61	102	125	4x18	165	3	17	83,5	---	155	213	12,9
65	65	290	76	122	145	8x18	185	3	19	97	---	169	213	18,5
80	80	310	75	138	160	8x18	200	3	21	111	---	207	348	25
100	100	350	91	162	190	8x22	235	3	21	133	118	231	445	39
125	125	400	120	188	220	8x26	262	3	23	156	137,5	262	698	63
150	150	480	135	218	250	8x26	300	3	25	183	160	298	698	87

### Actuator connection

DN	ISO 5211	ØA	B	C	ØD	n x F	G	I	J
15	F05	35	11,2	5,7	50	4x M6	1,5	M12x1,5	9
20 (**)	F05	35	15	9,2	50	4xM6	1,5	M12x1,5	9
25	F05	35	22,7	10,2	50	4xM6	1,5	M12x1,5	9
32 (**)	F05	35	32	13,7	50	4xM6	1,5	M16x1,5	12
40	F07	55	41,5	19,2	70	4x M8	3	M18x1,5	13
50	F07	55	41,5	19,2	70	4x M8	3	M18x1,5	13
65	F07	55	44	19,7	70	4xM8	3	M22x1,5	16
80	F10	70	44,5	19,7	102	4xM10	3	M25x1,5	18
100	F10	70	56,5	29,2	102	4xM10	3	M28x1,5	20
125	F12	85	56	27,6	125	4xM12	3	M35x2	25
150	F12	85	68	38,5	125	4xM12	3	M40x2	29

(\*) Dimensions in mm

(\*\*) Under request, please consult the minimum manufacturing quantities.



# Ball Valves PN 16/40

DN 65 - 150 PN 16

DN 15 - 150 PN 40

General Characteristics, Torque&KV, P&T Rating

GENERAL CHARACTERISTICS	Fig.516/540 Series SFF	Split Body	Floating Ball	Full Bore
<b>DESIGN STANDARDS</b>				
Valves design	EN 1983	EN 1983		
Body design	EN 12516			
Shell thickness	EN ISO 17292			
Flanges	DIN 2501 / EN 1092	EN 1092		
Face to face dimensions	EN 558 Series 1	EN 558 Series 1		
Actuator mounting flange	EN ISO 5211	EN ISO 5211		
Shell finishing quality	MSS SP 55			
Marking	EN 19	EN 19	CE - PED	
<b>TESTS AND CERTIFICATES</b>				
Quality Assurance	ISO 9001	CE-PED		
Fire Safe certification	BS 6755 Part 2	ISO 10497		
Pressure testing	DIN 3230 / EN 12266	EN 12266	EN 12266	EN 12266
Other	ISO 14001	ATEX		

## Torque Values in Nm

VALVE SIZE	AT DIFFERENTIAL PRESSURE		VALVE SIZE	AT DIFFERENTIAL PRESSURE	
	16 bar	40 bar		16 bar	40 bar
DN 15		10	DN 65	63	70
DN 20		14	DN 80	97	116
DN 25		17	DN 100	130	169
DN 32		25	DN 125	188	248
DN 40		30	DN 150	250	492
DN 50		41			

## Kv Values in m<sup>3</sup>/h

DN 15	DN 20	DN 25	DN 32	DN 40	DN 50
20	40	75	130	170	270
DN 65	DN 80	DN 100	DN 125	DN 150	
550	1000	1650	3000	4200	

## Pressure-Temperature

For 1.0619 only. For other materials consult EN 1092-1

