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



Fig. 256L/254L

Manufacturing program:

II 2 G D c CE

Quality & Environmental Management:

ICP VALVES S.A.
E-Mail: sales@ icp-valves.com
Internet: www.icp-valves.com

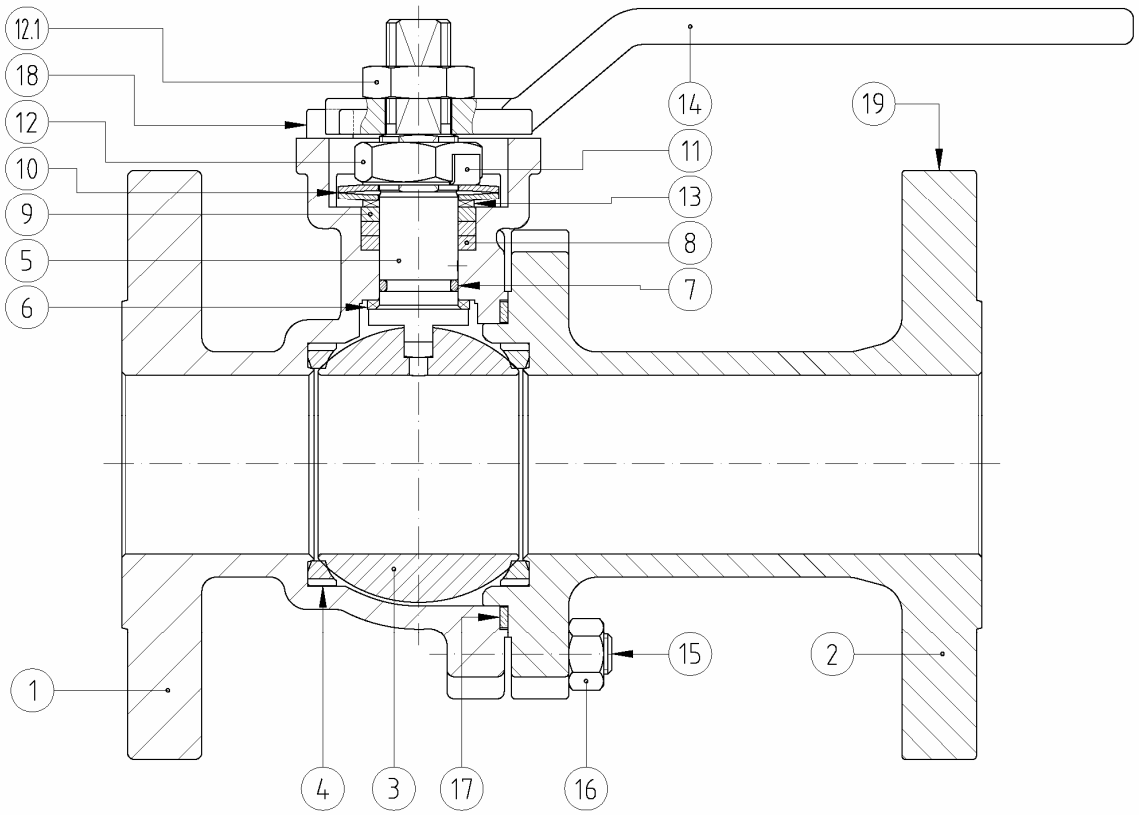
Authorized Distributor

Data given can be changed without notice.

SERIES SFF

Ball Valves PN 16/40

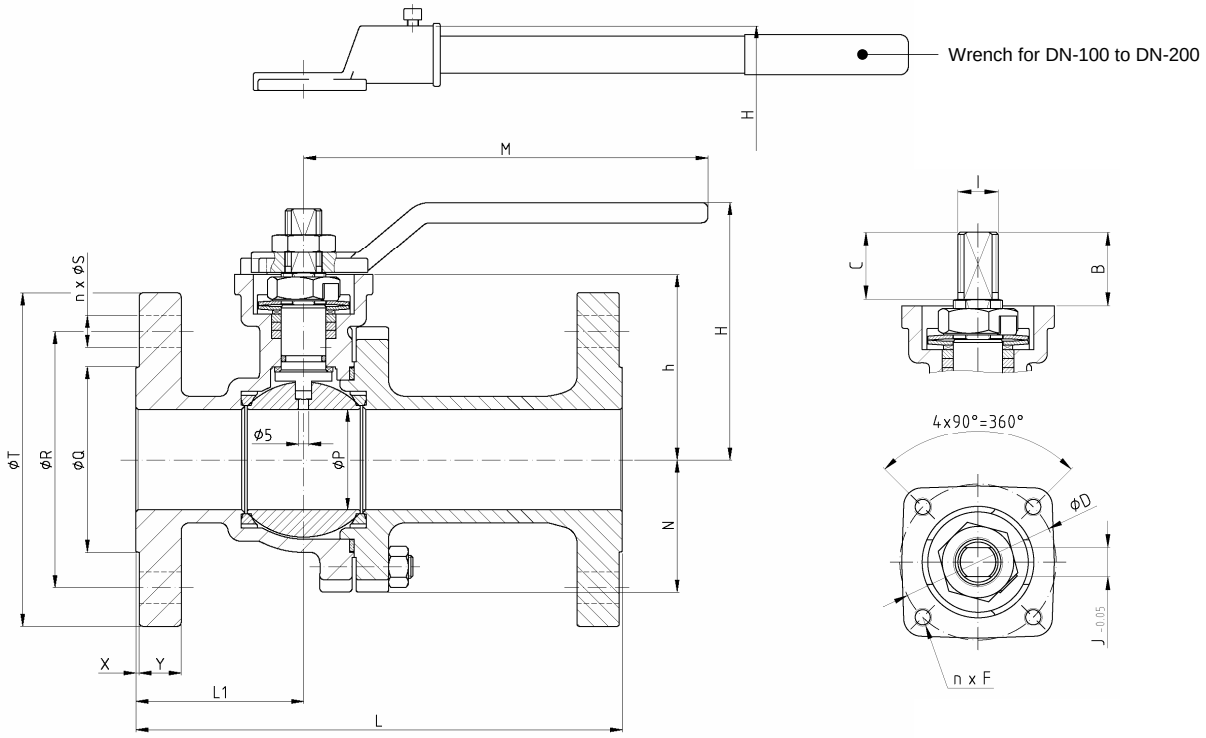
DN 65 - 200 PN 16
DN 15 - 50 PN 40
Parts and materials



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	Seat ring	PTFE	
5	Stem	A 479 Tp.316	
6	Stem thrust seal	25% G.F. PTFE	
7	"O" Ring	FKM	
8	Gland packing	Graphite	
9	Gland	AISI 303	
10	Disk spring	Inconel - 718	
11	Locking w asher	AISI 304	
12	Gland nut	AISI 303	
12.1	Nut	AISI 303	
13	Antifriction w asher	25% G.F. PTFE	
14	Wrench	A 216 Gr. WCB	
15	Stud	A 193 Gr. B7M	A 193 Gr. B8M
16	Nut	A 194 Gr. 2HM	A 194 Gr. 8M
17	Spiralw ound gasket	AISI 316L + PTFE + Graphite	
18	Bolt	A2	
19	Identification plate	Stainless St.	

Ball Valves PN 16/40

DN 65 - 200 PN 16
DN 15 – 50 PN 40
Dimensions



Series 256L (PN 16)

DN	ØP	L	L1	ØQ	ØR	n x ØS	ØT	X	Y	h	N	H	M	Weight
65	65	290	72	122	145	4 x 18	185	2	16	104	78	140	350	15,2
80	78	310	73	138	160	8 x 18	200	2	18	118,5	87	190	450	21,2
100	100	350	83	158	180	8 x 18	220	2	18	144	108	192,5	466	29,2

(*) Dimensions in mm

Series 254L (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	4 x 14	95	2	14	41	31	68	170	2,6
25	25	160	52	68	85	4 x 14	115	2	16	58,5	39	86	170	4,3
32	32	180	54	78	100	4 x 18	140	2	16	63,5	43	89,5	170	6
40	40	200	55	88	110	4 x 18	150	2	16	86,5	48	122,5	215	8,6
50	50	230	61	102	125	4 x 18	165	2	18	91,5	63	127,5	215	11,5

(*) Dimensions in mm

Actuator connection

DN	ISO 5211	B	C	ØD	n x F	I	J
15	F 05	18	11	50	4 x M6	M10	7
25	F 05	22	21	50	4 x M6	M12	8
32	F 05	22	21	50	4 x M6	M12	8
40	F 07	33	32	70	4 x M8	M18	12
50	F 07	33	32	70	4 x M8	M18	12
65	F 07	34	33	70	4 x M8	M22	15
80	F 10	34	33	102	4 x M10	M22	15
100	F 10	45	43,5	102	4 x M10	M28	19

(*) Dimensions in mm

Ball Valves PN 16/40

DN 65 - 200 PN 16
DN 15 – 50 PN 40

General Characteristics, Torque & KV, P&T Rating

GENERAL CHARACTERISTICS	Fig.256L/254L Series SFF	Split Body	Floating Ball	Full Bore
DESIGN STANDARDS				
Valves design	EN 1983	ISO 17292		
Body design	EN 12516			
Shell thickness	ISO 17292			
Flanges	EN 1092-1			
Face to face dimensions	EN 558-1 Series 1			
Actuator mounting flange	ISO 5211	DIN 3337	EN 15081	
Shell finishing quality	MSS SP 55			
Marking	EN 19	CE - PED		
TESTS AND CERTIFICATES				
Quality Assurance	ISO 9001	CE-PED		
Fire Safe certification	ISO 10497: 2004			
Pressure testing	ISO 17292	EN 12266		
Other	ISO 14001	ATEX		

Torque Values in Nm

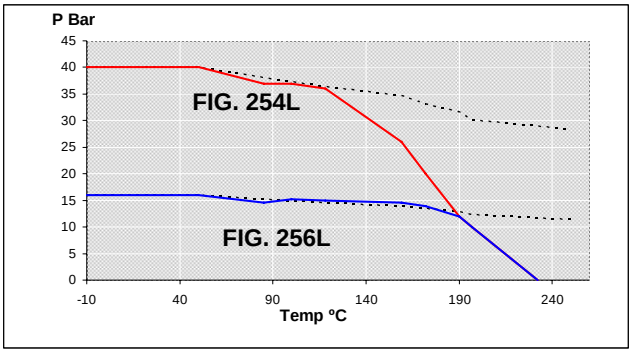
VALVE SIZE	AT DIFFERENTIAL PRESSURE		VALVE SIZE	AT DIFFERENTIAL PRESSURE	
	16 bar	40 bar		16 bar	40 bar
DN 15		8	DN 50		50
DN 25		14	DN 65	51	
DN 32		22	DN 80	77	
DN 40		27	DN 100	116	

Kv Values in m^3/h

DN 15	DN 25	DN 32	DN 40
20	75	130	170
DN 50	**DN 65**	**DN 80**	**DN 100**
270	550	1000	1650

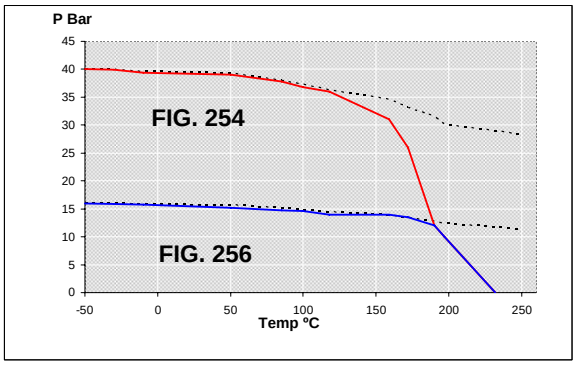
Pressure-Temperature

PTFE SEATS



For 1.0619 only.

Pressure-Temperature



For 1.4408 only.

For other materials consult EN 1092-1

ICP VALVES S.A.
E-Mail: sales@ icp-valves.com
Internet: www.icp-valves.com

Authorized Distributor

Data given can be changed without notice.

SERIES SFF