Three Pieces Ball Valves
1000 WOG
Size ¼” – 4” (DN 10 -100) Stainless Steel



Fig. 143
FULL BORE

Butt Weld according:
ASME B16.25 & DIN 3239 part 1

CE
0035

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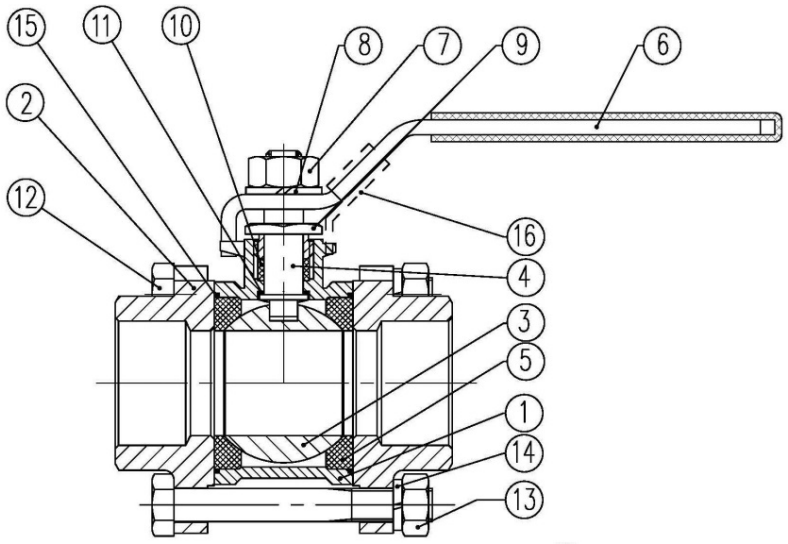
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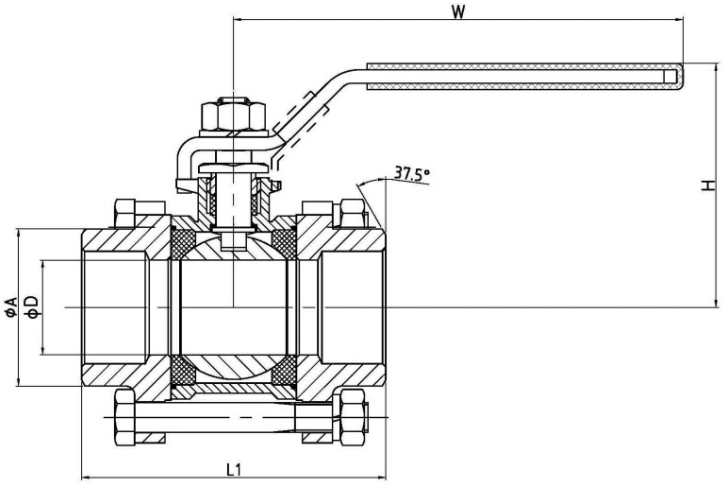
Parts and materials, Dimensions

Parts and materials



Ite	Description	Material
1	Body	1.4408
2	Body connector	1.4408
3	Ball	1.4408
4	Stem	1.4401
5	Seat ring	PTFE
6	Wrench	AISI 304
7	Wrench Nut	AISI 304
8	Wrench	AISI 304
9	Gland	AISI 304
10	Gland packing	PTFE
11	Stem thrust	PTFE
12	Bolt	1.4301
13	Nut	1.4301
14	Washer	AISI 304
15	Seat Gasket	PTFE
16	Lock Device	AISI 304

Dimensions



SIZE	ØA	ØD	L1	W	H	WEIGHT
¼" (DN 10)	18	12	60,4	103	48	0,31
⅜" (DN 12)	19,5	12	60,4	103	48	0,35
½" (DN 15)	23	15	66,5	103	52	0,41
¾" (DN 20)	28,8	20	80	123	61	0,7
1" (DN 25)	34,8	25	84	123	65	1,2
1¼" (DN 32)	45	32	104	153	79	2
1½" (DN 40)	51	38	112	153	83	2,5
2" (DN 50)	62,5	50	132	185	97	3,7
2½" (DN 65)	77	64	165	243	135	7,4
3" (DN 80)	94	76	182,2	243	144	12,8
4" (DN 100)	116	94	226,8	315	172	23

(*) Dimensions in mm and weight in kg.

Note:

Dimensions not subject to International Standards can vary in ±10%. ICP reserves the right to change those dimensions without notice, due to they do not affect integrity and performance of the valves.

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Torque, KV, P&T Rating

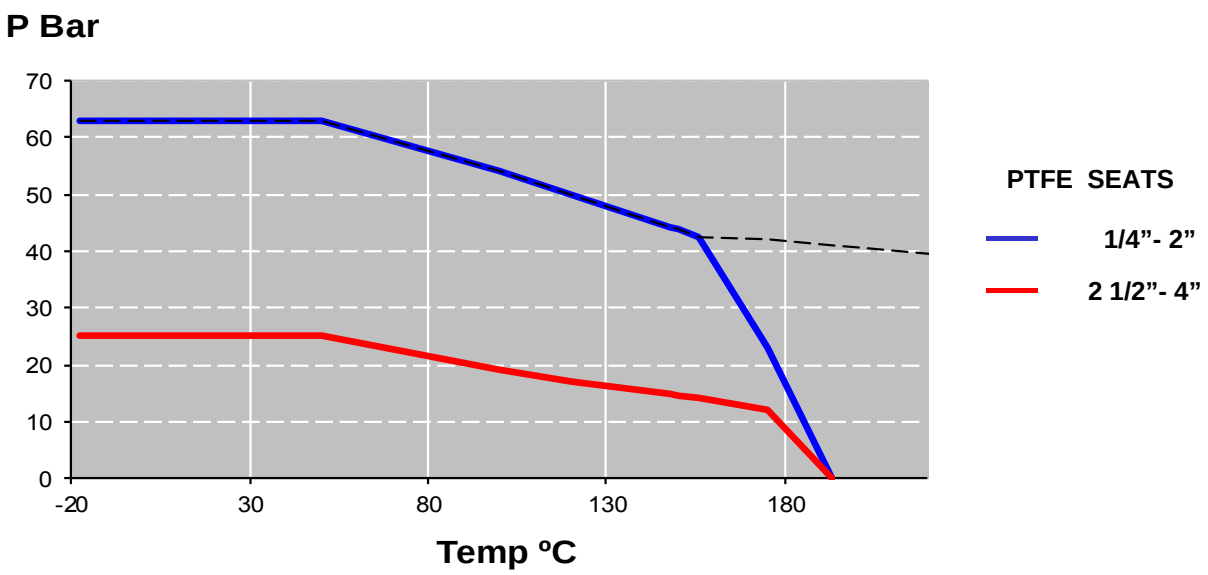
Torque Values in Nm

VALVE SIZE	AT DIFFERENTIAL PRESSURE 63 bar	VALVE SIZE	AT DIFFERENTIAL PRESSURE 25 bar
¼" (DN 10)	5,6	2½" (DN 65)	73,2
⅜" (DN 12)	5,6	3" (DN 80)	128,8
½" (DN 15)	9	4" (DN 100)	165,4
¾" (DN 20)	11,3		
1" (DN 25)	14,7		
1¼" (DN 32)	19,2		
1½" (DN 40)	24,9		
2" (DN 50)	45,2		

Kv Values in m^3/h

VALVE SIZE	Kv	VALVE SIZE	Kv
¼" (DN 10)	6,6	1½" (DN 40)	80,0
⅜" (DN 12)	6,6	2" (DN 50)	150,0
½" (DN 15)	11,2	2½" (DN 65)	265,0
¾" (DN 20)	21,0	3" (DN 80)	415,0
1" (DN 25)	34,0	4" (DN 100)	780,0
1¼" (DN 32)	57,0		

Pressure-Temperature



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