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



Fig. 142
FULL BORE

Socket Weld according:
ASME B16.11 & DIN 3239 part 2

CE 0035

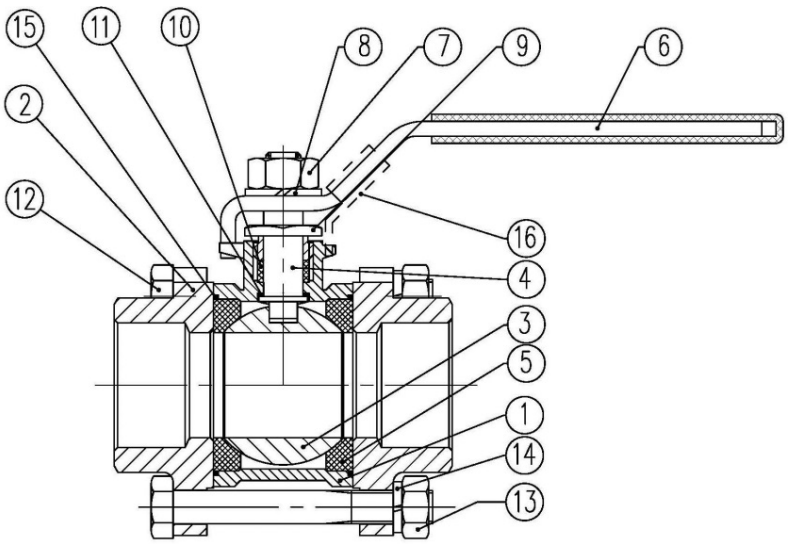
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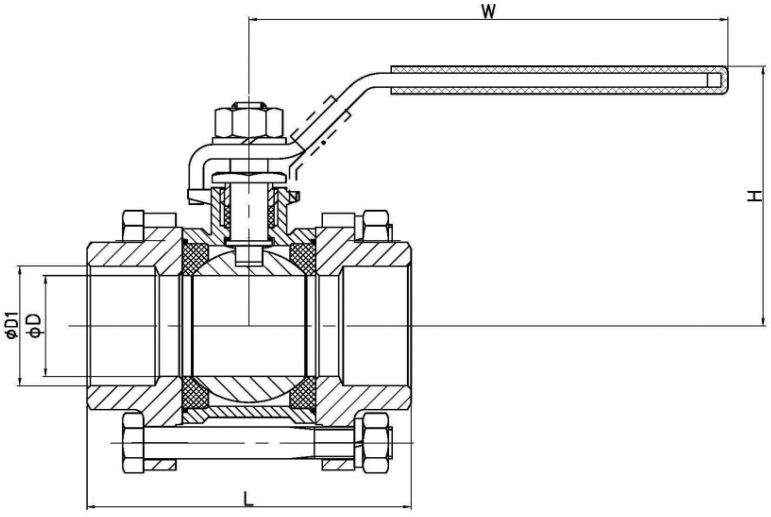
Three Pieces Ball Valves
1000 WOG
Parts and materials, Dimensions

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	ØD	ØD1	L	W	H	WEIGHT
¼" (DN 10)	12	14,1	50	103	48	0,31
⅜" (DN 12)	12	17,6	50	103	48	0,35
½" (DN 15)	15	21,7	60	103	52	0,41
¾" (DN 20)	20	27,1	70	123	61	0,7
1" (DN 25)	25	33,9	80	123	65	1,2
1¼" (DN 32)	32	42,6	93	153	79	2
1½" (DN 40)	38	48,7	100	153	83	2,5
2" (DN 50)	50	61,1	125	185	97	3,7
2½" (DN 65)	64	77	158	243	135	7,4
3" (DN 80)	76	89,8	179	243	144	12,8
4" (DN 100)	94	115,5	223	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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Three Pieces Ball Valves 1000 WOG

Torque, Kv, P&T Rating

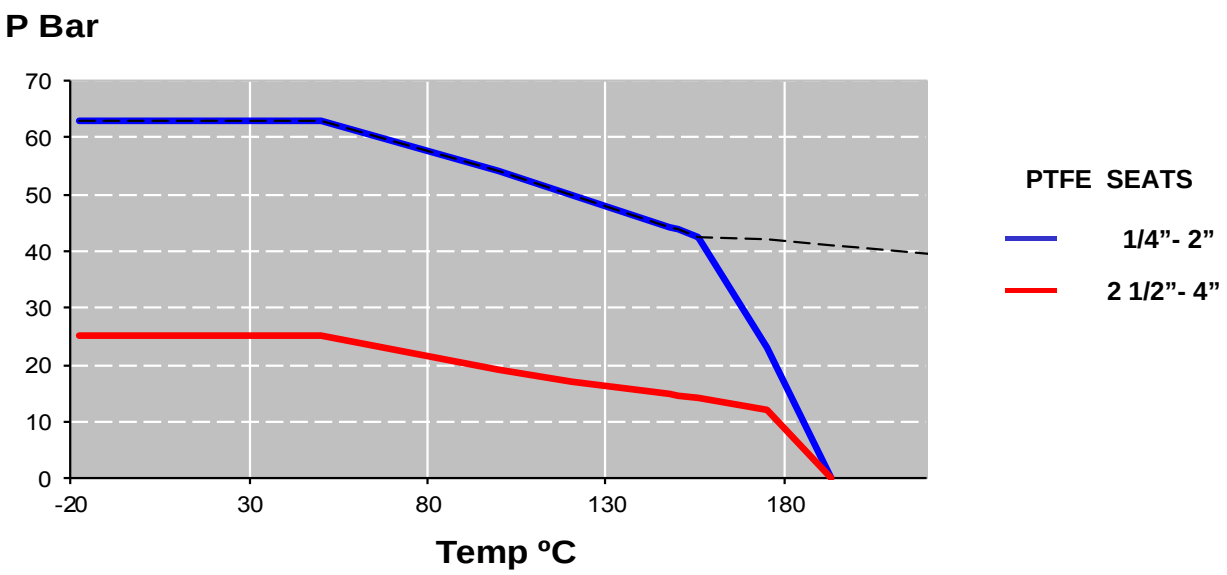
Torque Values in Nm

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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