



# Two Pieces Ball Valves

## PN63 bar

Size 1/4" - 4" (DN 10 - 100) Stainless Steel



# Serie 2001SN FULL BORE

Threaded according:  
ASME B1.20.1 (NPT)

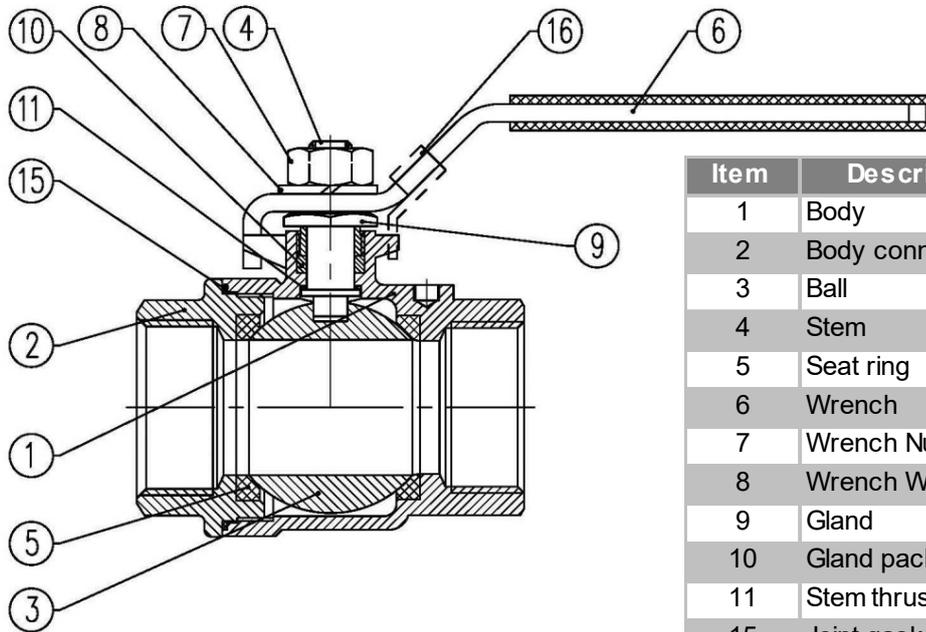


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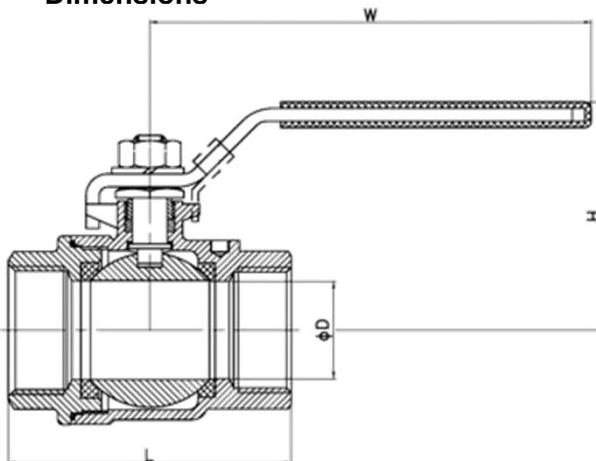
### Parts and materials, Dimensions

#### Parts and materials



Item	Description	Material
1	Body	CF8M
2	Body connector	CF8M
3	Ball	CF8M
4	Stem	AISI 316
5	Seat ring	PTFE
6	Wrench	AISI 430
7	Wrench Nut	AISI 304
8	Wrench Washer	AISI 304
9	Gland	AISI 304
10	Gland packing	PTFE
11	Stem thrust seal	PTFE
15	Joint gasket	PTFE
16	Lock device	AISI 304

#### Dimensions



SIZE	NPS	ØD	L	W	H	WEIGHT
1/4" (DN 8)	1/4"	9,2	36	76	41	0,11
3/8" (DN 10)	3/8"	12,5	42	76	46	0,14
1/2" (DN 15)	1/2"	15	48	85	50	0,21
3/4" (DN 20)	3/4"	20	58	95	57	0,32
1" (DN 25)	1"	25	68,5	120	68	0,51
1 1/4" (DN 32)	1 1/4"	32	80	120	74	0,79
1 1/2" (DN 40)	1 1/2"	38	90,5	150	85	1,22
2" (DN 50)	2"	50	109	150	94	1,94
2 1/2" (DN 65)	2 1/2"	65	139	215	120	4,65
3" (DN 80)	3"	80	157	215	130	6,91
4" (DN 100)	4"	100	200	300	160	13,37

#### Note:

(\*) Dimensions in mm and weight in kg.

Dimensions not subject to International Standards can vary in  $\pm 10\%$ . 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

DESIGN STANDARDS			
Valves design	EN 1983:2013		
Ends	Threaded according: ASME B1.20.1 (NPT)		
TESTS AND CERTIFICATES			
Quality Assurance	ISO 9001		
Pressure testing	EN 12266-1:2012		

#### Torque Values in Nm

VALVE SIZE	AT DIFFERENTIAL PRESSURE		VALVE SIZE	AT DIFFERENTIAL PRESSURE	
	63 bar			63 bar	
1/4" (DN 8)	2-3		1 1/4" (DN 32)	12-14	
3/8" (DN 10)	3-4		1 1/2" (DN 40)	18-25	
1/2" (DN 15)	4-5		2" (DN 50)	25-30	
3/4" (DN 20)	6-8		2 1/2" (DN 65)	50-60	
1" (DN 25)	8-10		3" (DN 80)	60-70	
			4" (DN 100)	90-120	

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

VALVE SIZE	Kv	VALVE SIZE	Kv
1/4" (DN 8)	5,7	1 1/4" (DN 32)	49,3
3/8" (DN 10)	6,8	1 1/2" (DN 40)	69,2
1/2" (DN 15)	9,7	2" (DN 50)	129,8
3/4" (DN 20)	18,2	2 1/2" (DN 65)	229,2
1" (DN 25)	30,3	3" (DN 80)	359,0
		4" (DN 100)	675,0

#### Pressure-Temperature

