

2 PIECES STAINLESS STEEL BALL VALVE FEMALE BSP ou NPT

2 pieces stainless steel ball valve with full bore for Chemical industries, petrochemical industries, hydraulic installation, heating, water distribution and compressed air.

PTFE packing and PTFE filled with 15% Glass fiber seat for a temperature up to +180°C.



Lloyd's
Register
PED/2014/68/UE



Size : DN1/4" to DN3"
Connection : Female BSP or NPT
Min Temperature : -50°C
Max Temperature : +180°C
Max Pressure : 63 Bars (up to DN3/4")
Specifications : Anti blow-out stem
Handle with locking device
PTFE packing
Full bore

Materials : Stainless Steel ASTM A351 CF8M

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SPECIFICATIONS :

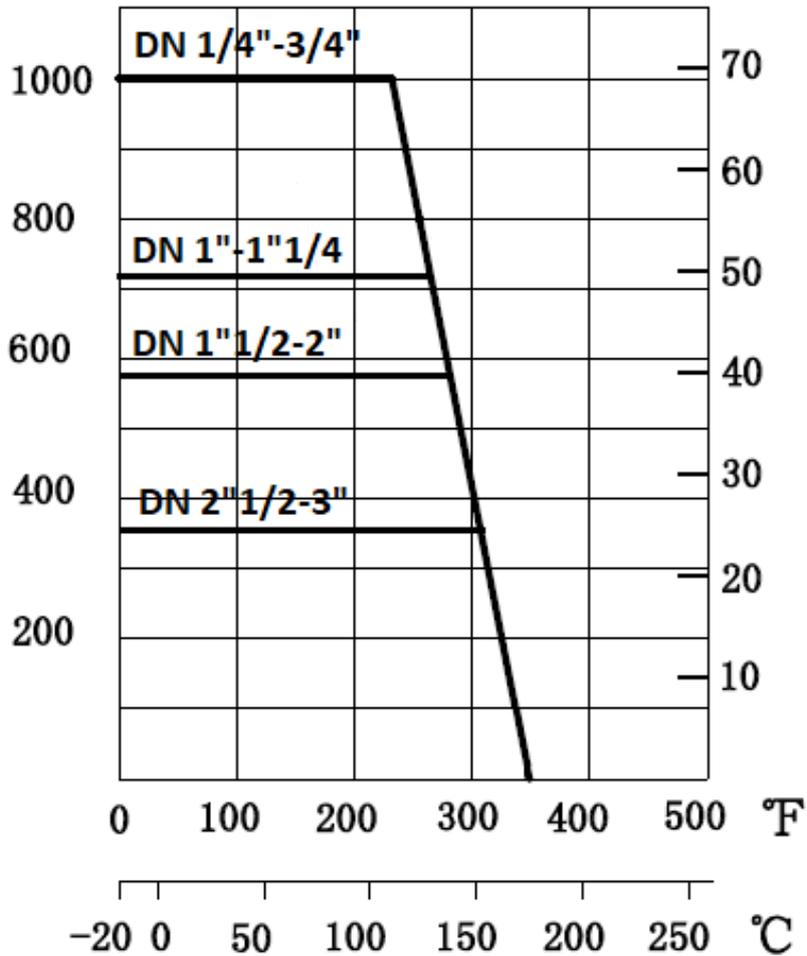
- Full bore
- Anti blow-out stem
- PTFE packing
- Locking device
- Solid ball
- 2 pieces type
- PTFE filled with 15% Glass fiber seat

USE :

- Chemical and pharmaceutical industries, petrochemical industries, hydraulic installation, compressed air
- Min and max Temperature Ts : -20°C to + 180°C
- Max Pressure Ps : 63 bars up to DN3/4", 50 bars from DN1" to 1"1/4 and 40 bars for DN1"1/2 to DN2" and 25 bars from DN2"1/2 (see graph)

PRESSURE / TEMPERATURE GRAPH (STEAM EXCLUDED) :

Pressure (Bar)



Temperature

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TORQUE VALUES (in Nm without safety coefficient) :

DN	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"
Couple (Nm)	5	5	5	7	10	12	20	32	60	90

FLOW COEFFICIENT Kvs (M3 / h) :

DN	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"
Kvs (m3/h)	18.7	21.7	31.3	57.9	94.2	157.9	227.9	414.8	706.7	984.6

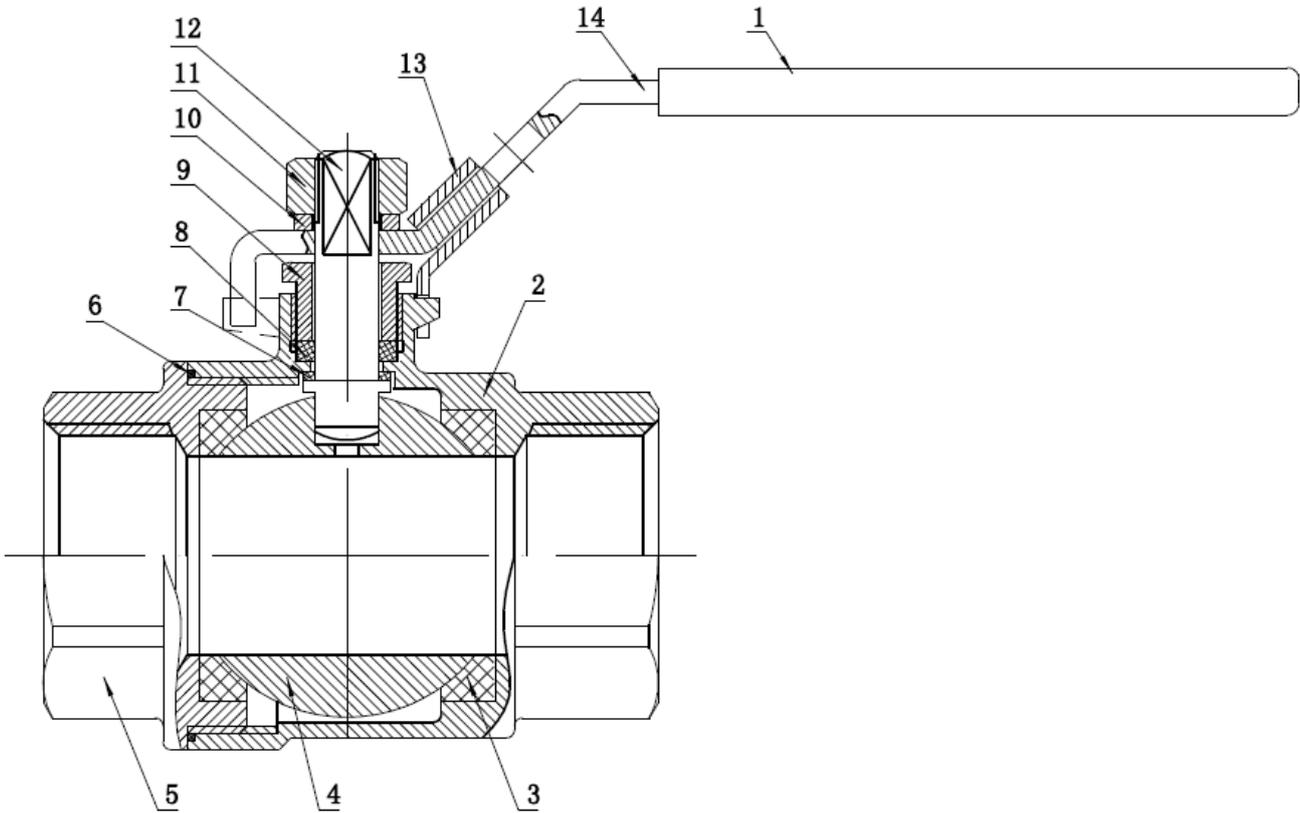
RANGE :

- Stainless steel ball valve BSP threaded with red handle **Ref. 4RBIFC** du DN1/4" au DN3"
- Stainless steel ball valve NPT threaded with red handle **Ref. 4RBIFCB** du DN1/4" au DN2"

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NOENCLATURE :

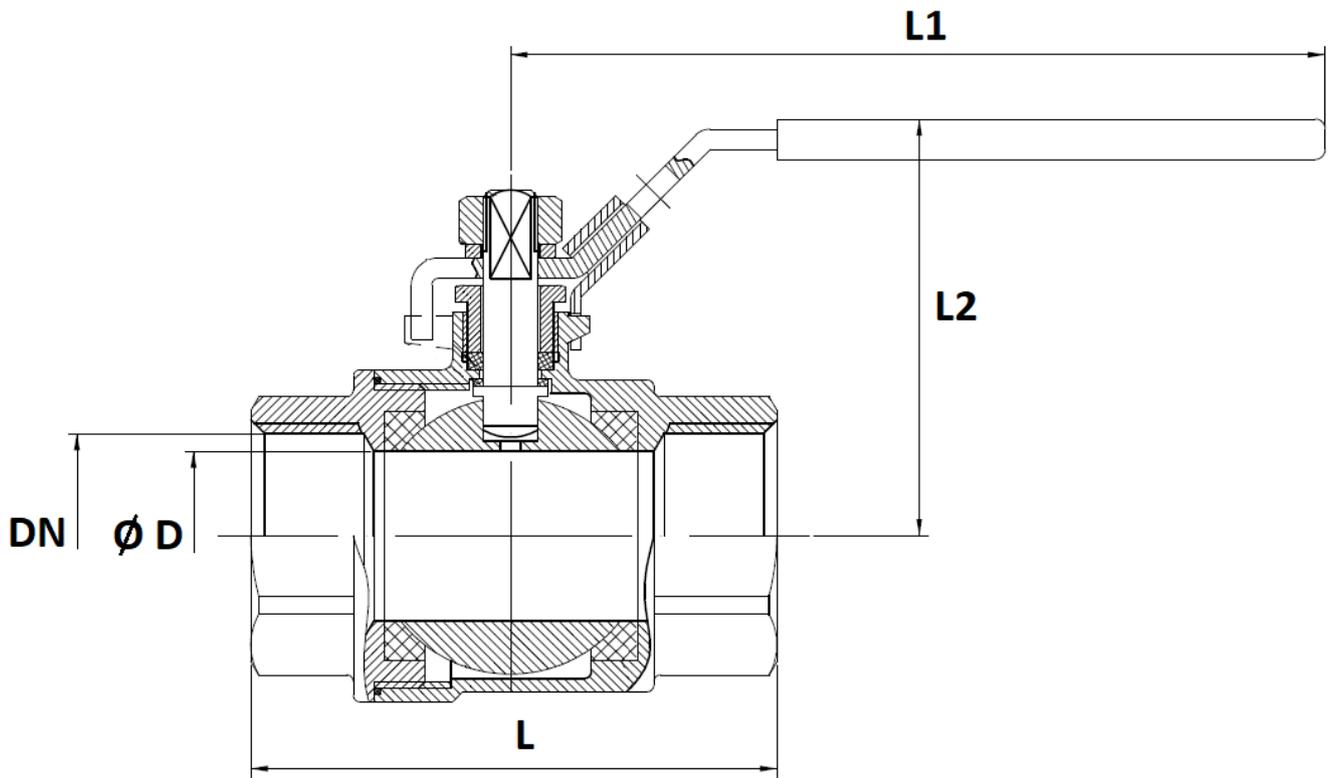


Item	Designation	Materials
1	Handle cover	Plastic
2	Body	ASTM A351 CF8M
3	Seat	PTFE filled with 15% glass fiber
4	Ball	AISI 316
5	Ends	ASTM A351 CF8M
6	Body gasket	PTFE
7	Gasket	PTFE
8	Packing	PTFE
9	Packing nut	AISI 304
10	Washer	
11	Handle nut	
12	Stem	AISI 316
13	Locking device	AISI 304
14	Handle	

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SIZE (in mm) :



DN	1/4"	3/8"	1/2"	3/4"	1"	1"1/4	1"1/2	2"	2"1/2	3"
Ø D	11.6	12.5	15	20	25	32	38	50	64	76
L	48.5	48.5	56.5	63	77	87	98	117	144.5	166
L1	91.5		103		112.5	140			230	
L2	48		52.5	56	62.5	74	77.5	86	118	127
Weight Kg	0.16	0.16	0.25	0.32	0.53	0.9	1.25	1.77	3.78	5.5
BATM.018	.014	.038	.012	.034	.044	.054	.064	.002	.022	.003

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STANDARDS :

- Manufacturer certified ISO 9001 : 2015
- DIRECTIVE 2014/68/EU :
 - DN1/4"-1" : Article 4, §3 (SEP), no CE marking
 - DN1"1/4-4" : Risk Category III, Module H
- Certificate 3.1 on request
- Pressure Tests according to API 598
- Threaded ends BSP cylindrical according to ISO 228-1
- Threaded ends NPT cylindrical according to ASME B1.20

ADVICE : Our opinion and our advice are not guaranteed and SFERACO shall not be liable for the consequences of damages. The customer must check the right choice of the products with the real service conditions.

INSTALLATION AND MAINTENANCE

BEFORE INSTALLATION :

Pipe-line must be cleaned and free from residual of weldings, rubbish, shaving and every kind of extraneous materials. Pipe-line must be perfectly aligned and their support properly dimensioned so that there's no external constraint.

Please use the right product according to the services conditions to seal the valve. Use the right bolt tightening so that the ends won't be damaged.

CLEANING AND TESTS

Keep opened the valves during the cleaning operation so that there are no impurities between the ball and the body.

Tests under pressure must be done with a cleaned pipe-line.

Open partially the valve for tests. Pressure test do not exceed the valve specifications according to ISO 5208.

MAINTENANCE

It's recommended to operate the valve twice (open and close) 1 to 2 times per year.

When intervention on the valve, be sure there's no pressure in the pipe-line, there's no fluid in it, and that it is isolated. The temperature must be low enough to operate without risks. If there's a corrosive fluid, inert installation before intervention.

When the valve is under pressure :

If there's a leakage at the packing, tighten it slightly so that the leakage disappears.

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