

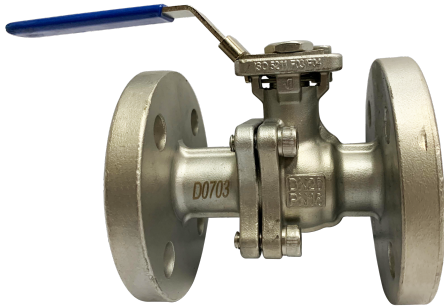


PN10/16 SS316 FLANGE END BALL VALVES

Literature



Introduction:



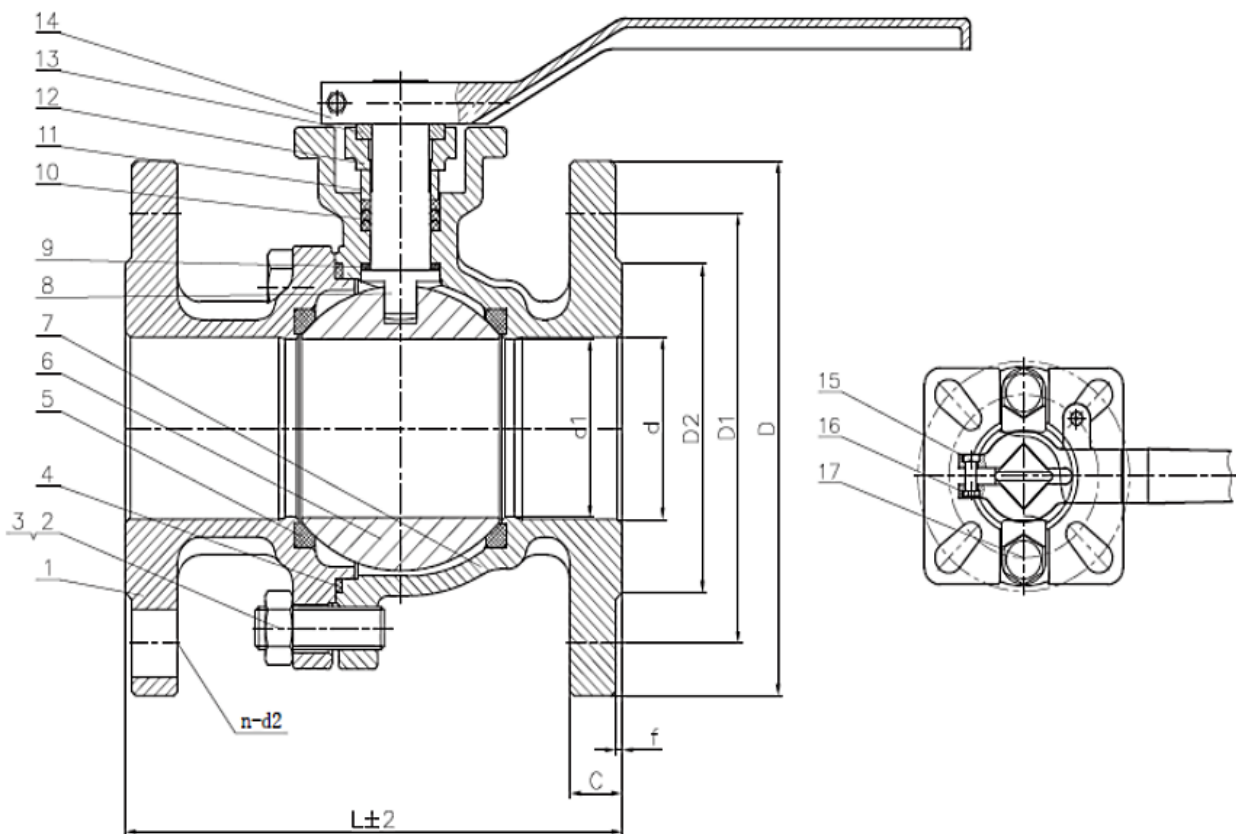
PN standard flange end ball valve is flange type ball valve that is used to start or stop fluids flow in a pipeline system. It is designed and manufactured according to EN 1983. Inspection and testing on PN flange end ball valves is according to EN 12266-1 standard.

It is a full bore type ball valve with quarter turn operation. The handle can be rotated 90 degrees to open or close the valve. The ISO mounting pad on the valve body allows the actuator to mount on it instead of using handle operation.

Figure 1 PN10/16 SS316 Flange End Ball Valve

The both ends of the PN ball valve is flange with PN standard connection. Some parts such as bolts, nuts, and gaskets are required when connected to another PN flange. The number of bolt holes on the flange is dependent on valve sizes, available in 4 bolt holes or 8 bolt holes. It is available in stainless steel SS316 material with PTFE seat.

PN10/16 SS316 Flange End Ball Valve Drawing:



Material:

NO	PART NAME	MATERIAL
1	Cap	SS316, CF8M
2	Bolt	SS316
3	Nut	SS316
4	Gasket	PTFE
5	Seat	PTFE
6	Ball	SS316
7	Body	SS316, CF8M
8	Stem	SS316
9	Thrust Washer	PTFE
10	Packing	PTFE
11	Gland	SS316
12	Flange Gland	SS316, CF8M
13	Orientation Patch	SS201
14	Handle	SS201
15	Bolt	SS304
16	Nut	SS304
17	Bolt	SS304

Main Technical Parameter:

Nominal Pressure	1.6 MPa
Shell Test Pressure	2.4 MPa
Gas Test	0.6 MPa
Max Working Temperature	-29°C to 150°C

Technical Specifications:

1. Basic design and manufacture according to EN 1983
2. Face-to-face dimensions complied with EN 558 & S15
3. Flange ends complied with EN 1092-1
4. Inspection and tested according to EN 122661-1

Chuan Kok Hardware & Machinery Pte Ltd

Address : 1783 Geylang Bahru, #01-02, Singapore 339708
Telephone Number : +65 6294 2566
Email Address : info@chuankok.com
Website : www.chuankok.com
Business Registration Number : 198201577Z
Country of Registration : Singapore

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