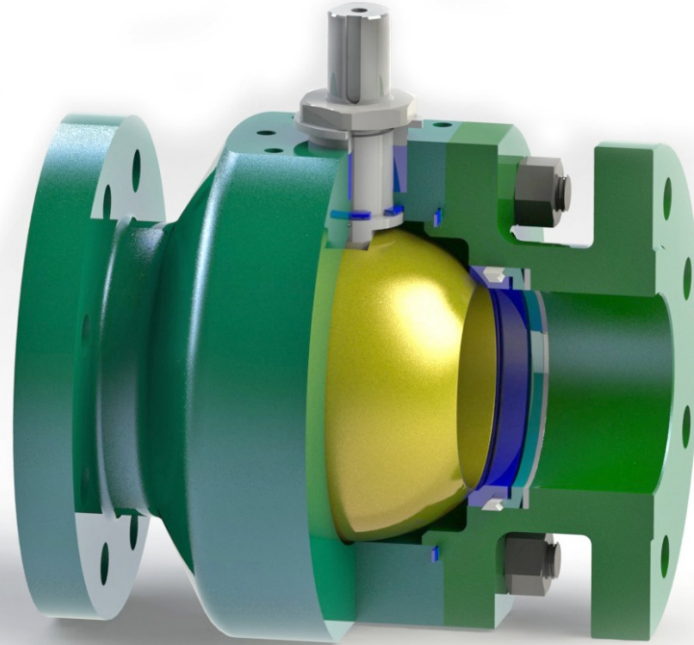


Series FM

Part number:C-FM-1504

Metal to Metal Seat Floating Ball Valve



Severity Service

Normal soft-seated valve can not be used for abrasive service or for operation under high temperatures that prohibits the use of a resilient material. VIZA metal-to-metal seated floating ball valve (series FM/FM-H, range 1/2"~4" class 150 & 300, 1/2"~2" class 600) is designed for this type of severity service has seating action provided by the metal to metal contacting seating action is provided between ball and seat ring.

General Design

Blow-out proof stem, anti-static device are designed as standard requirements.

Superior Sealing

High precision machining and seat to ball rubbing, as well as adopt seat spring structure, which push up stream seat tightly against the ball surface, result in superior ball and seat interfacing for reliable sealing conforming to ANSI/FCI 70-2 class V.

Stem Seal

Belleville spring acted gland provides live-loading on stem packing. Equipped with Special low emission packing, the environmental friendly valve is available on request.

Reliable Operations

Spring-loaded seat maintain close contacting with the ball ensuring tight sealing even at low pressures. This also results in stable operating torques at high differential pressures over a wide range of temperatures or/and high frequency.

Fire Safe

The features of metal seated and graphite sealing to guarantee to pass requirement of fire safe testing.

Material Selection

Various materials can be chosen from for the service up to 500°C. For service temperature above 300°C the extension bonnet is required.

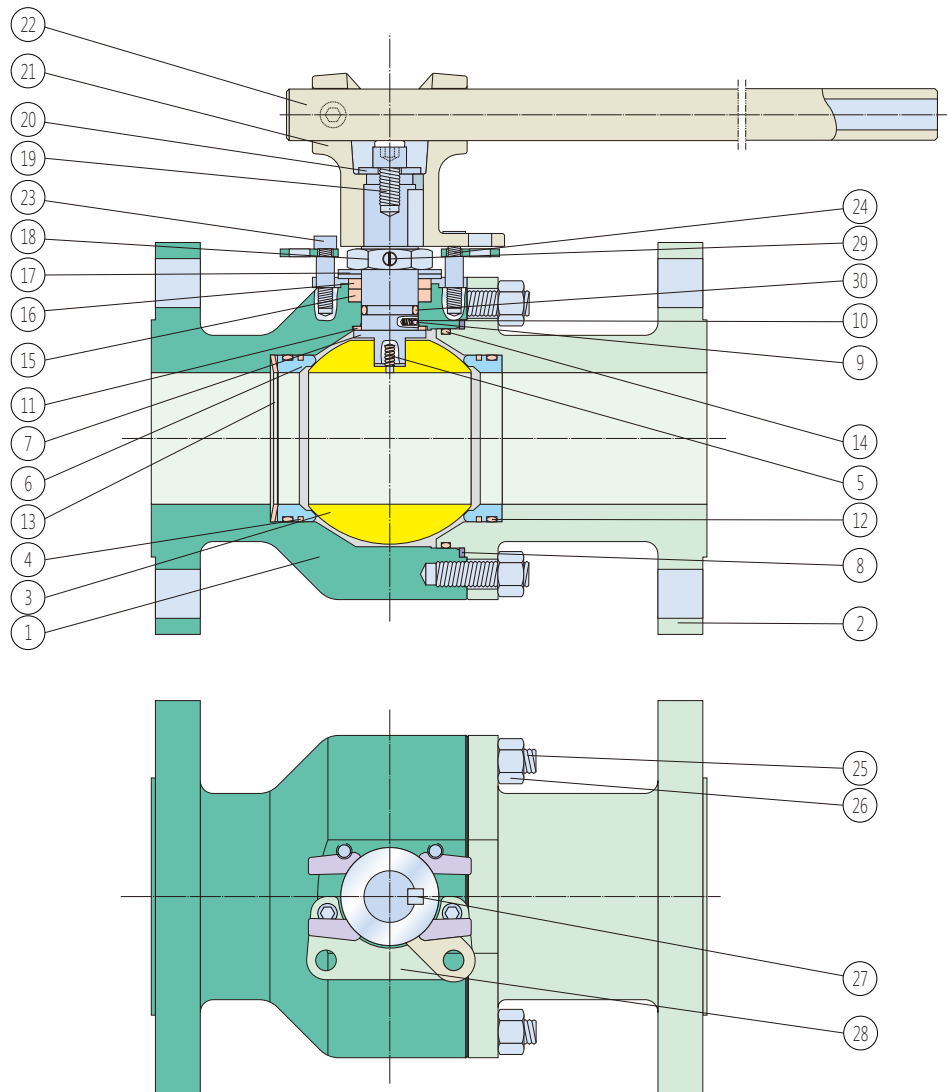
Applications

Hard faced ball and seats (TCC as standard, other special coatings are available on request) allow the valve to be used in more severe services such as slurries, pulp stock, mining and other abrasive media in long life.

Series FM

Metal to Metal Seat Floating Ball Valve

MATERIAL SPECIFICATIONS

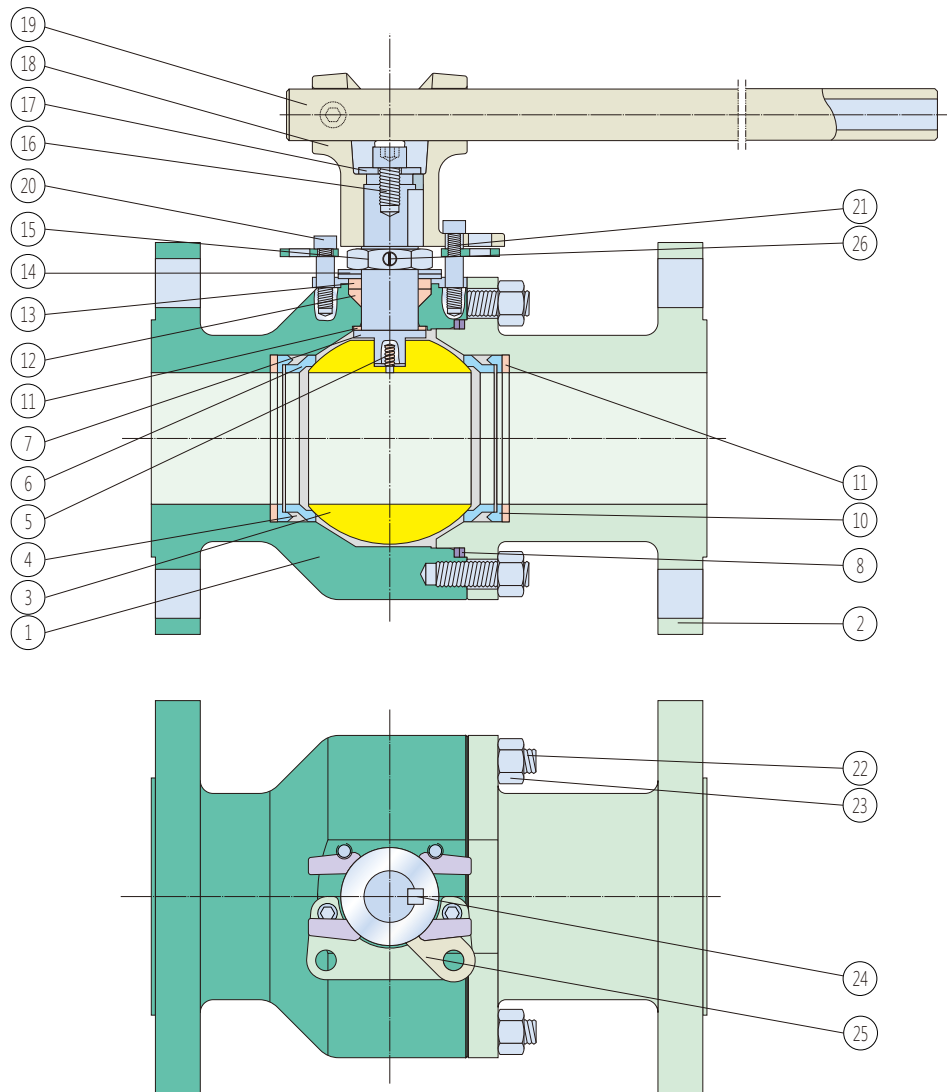


NO.	PART	A105/ENP	NO.	PART	A105/ENP
1	Body	ASTM A105N	16	Gland	Stainless Steel
2	Adapter	ASTM A105N	17	Belleville Spring	Alloy Steel
3	Ball	ASTM A182 F6a/TCC	18	Nut	Steel
4	Seat Packing	Graphite	19	Screw	Stainless Steel
5	Antistatic Spring	INCONEL X-750	20	Washer	Carbon Steel
6	Seat Ring	ASTM A182 F6a/TCC	21	Tee Head	Carbon Steel
7	Stem	17-4PH	22	Lever Pipe	Carbon Steel
8	Gasket	Graphite	23	Screw	Carbon Steel
9	Steel Ball	Stainless Steel	24	Pipe	Carbon Steel
10	Antistatic Spring	Inconel X-750	25	Body Stud	ASTM A194 2H
11	Thrust Washer	PTFE	26	Body Nut	ASTM A193 B7
12	Push Ring	Stainless Steel	27	Key	Carbon Steel
13	Belleville Spring	Alloy Steel	28	Lock Plate	Carbon Steel
14	O-ring	Viton	29	Screw	Stainless Steel
15	Packing	Graphite	30	O-ring	Viton

Series FM-H

Metal to Metal Seat Floating Ball Valve

MATERIAL SPECIFICATIONS



NO.	PART	A105/ENP	NO.	PART	A105/ENP
1	Body	ASTM A105N	14	Belleville Spring	Alloy Steel
2	Adapter	ASTM A105N	15	Nut	Steel
3	Ball	ASTM A182 F6a/TCC	16	Screw	Stainless Steel
4	Seat Packing	Graphite	17	Washer	Carbon Steel
5	Antistatic Spring	Inconel X-750	18	Tee Head	Carbon Steel
6	Seat Ring	ASTM A182 F6a/TCC	19	Lever Pipe	Carbon Steel
7	Stem	ASTM 182 F6a	20	Screw	Carbon Steel
8	Gasket	Graphite	21	Pipe	Carbon Steel
9	Thrust Washer	SS+Copper	22	Body Stud	ASTM A194 2H
10	Push Ring	Stainless Steel	23	Body Nut	ASTM A193 B7
11	Belleville Spring	Alloy Steel	24	Key	Carbon Steel
12	Packing	Graphite	25	Lock Plate	Carbon Steel
13	Gland	Stainless Steel	26	Screw	Stainless Steel