

SPECIAL-BALL-VALVE **TYPE DG**

CAVITY FREE 2-WAY BALL-VALVE

- > Cavity free
- > Full bore
- > Spring loaded sealing system
- > Blowout proof stem

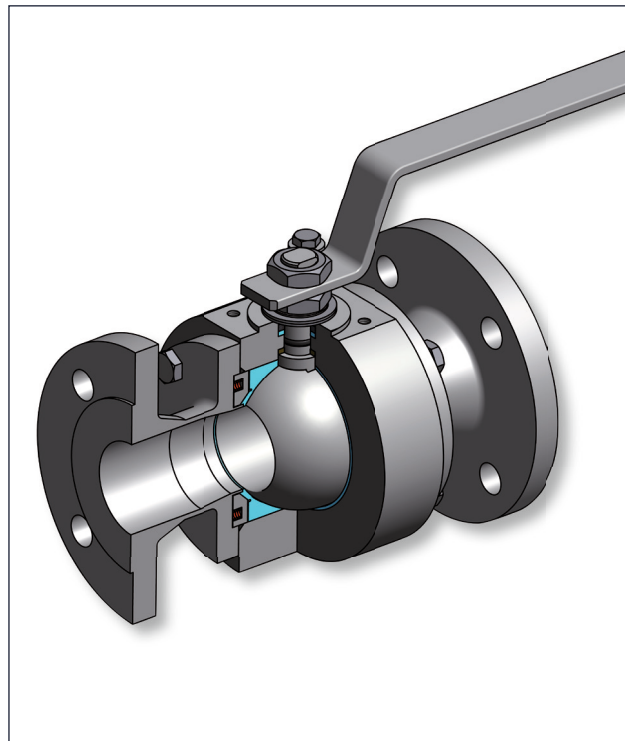
Size 1/2" to 4"
Pressure to 150 lbs/sq.in.
Temperature -50°C to +180°C



Results.
No experiments.



CAVITY FREE 2-WAY BALL-VALVE



Applicable to:

Gaseous media, fluid, emulsion, syrup, paste, granulate, powder etc.

Operating conditions:

max. 180°C, max. 16 bar

Suitable for vacuum service.

Exceeding parameters on request.

Design:

Cavity free

Specific spring-loaded sealing system

Sealing pressure adjustable by means of spiral coil springs.

Blowout proof stem.

Standard Material:

AISI 316 L, AISI 316 Ti; Hastelloy C22, Hastelloy C4, Duplex, Titan etc.

Ball seal: PTFE / 25% glass with FDA conformity.

O-Ring: Viton, EPDM, FEP and Kalrez with FDA conformities.

Springs: AISI 316 Ti

Further material available on request.

Optional:

TA-Luft

Sizes up to 10"

Temperature up to +500°C

Pressure up to 1500 lbs./sq.in.

Metallic sealing system

Stem extension

Connections:

Flange acc. to EN 1092-1 or ANSI (ASA) B16.5

Thread acc. to DIN11851

Clamp acc. to DIN 32676

Weld end acc. to DIN 11850

Further connections according on customer request.

Certificates:

TA-Luft

FDA-Conformity

BSE / TSE free

PMI

ATEX/94/9/EC

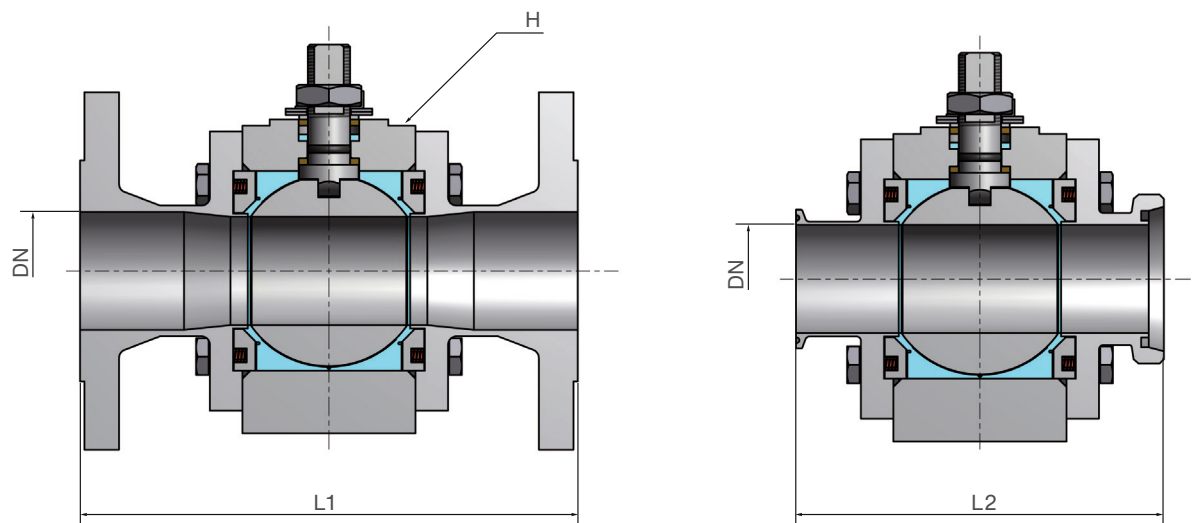
Tightness test:

API598

Actuator mounting flange:

Acc. to DIN3337 / ISO 5211

ATEC face to face dimensions

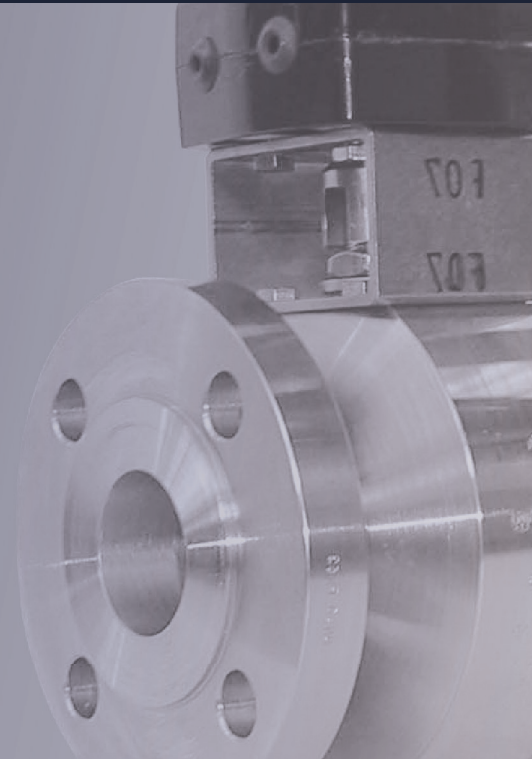


DN	L1	L2	H
1/2"	130	100	F04
1"	160	120	F04
1 1/2"	200	160	F05
2"	230	170	F05
2 1/2"	290	200	F07
3"	310	230	F07
4"	350	270	F10

Further sizes available on request.

ADVANTAGES

- ▶ Almost no cavity between ball and housing
- ▶ Almost no residual product in the ball valve housing
- ▶ Approximately same torque at different temperatures
- ▶ Longer life time through spring loaded sealing system
- ▶ Exotic materials
- ▶ Special design sizes
- ▶ Short delivery time of customized ball valves and spare parts



Results.
No experiments.



Gemco Valve Company
301 Smalley Ave.
Middlesex, NJ 08846
USA

Phone Domestic: 800-654-3626
International: +1 732-733-1143
Fax: +1 732-733-1168

Website: GemcoValve.com