



PFA-lined stainless steel flanged ball valve series FGT

Using the material combination of Fluoropolymer / stainless steel highest demands of the pharmaceutical industry are met to manage aggressive and corrosive media in chemical applications as well as ultra-clean media.

The interface acc. DIN 3337 allows the safe and efficient automation due to the direct mounting of actuators.



PFA-lined flanged ball valve PN10-PN40 / Class 150 with full bore

Due to the material combination of stainless steel (external) and PFA Fluoropolymer as media-touching lining very good chemical resistance is achieved all-round and external corrosive impacts are taken into account.

The interface acc. DIN 3337 allows an economic automation and the direct mounting of operating elements and actuators.

Technical Data:

Body, ball and stem:

PFA-lined

Actuator connection:

DIN 3337 – ISO 5211

Face-to-face dimension:

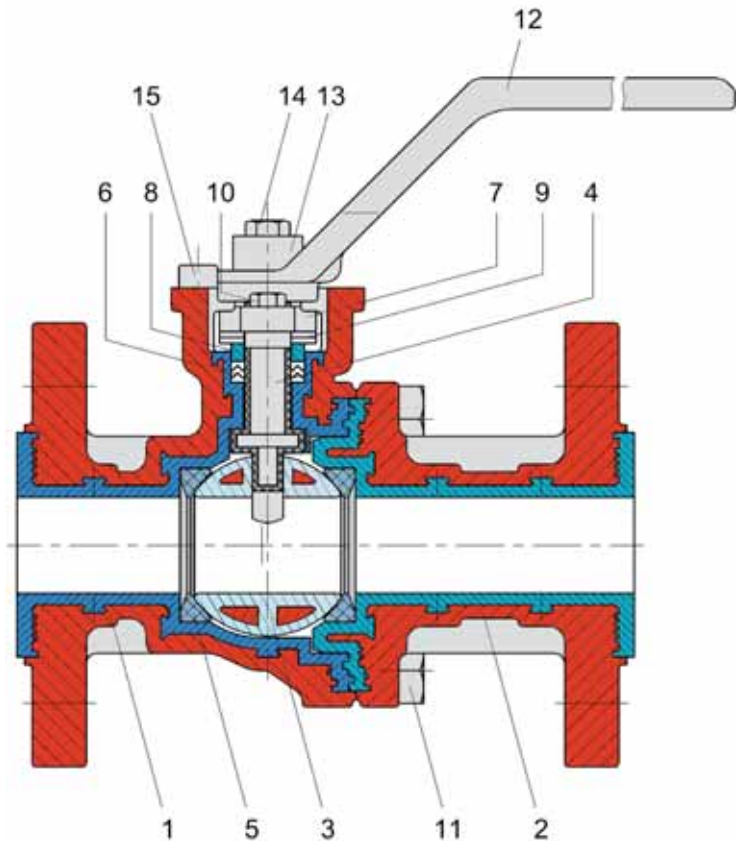
DIN EN 558-1 line 28

(DIN 3202-F1)

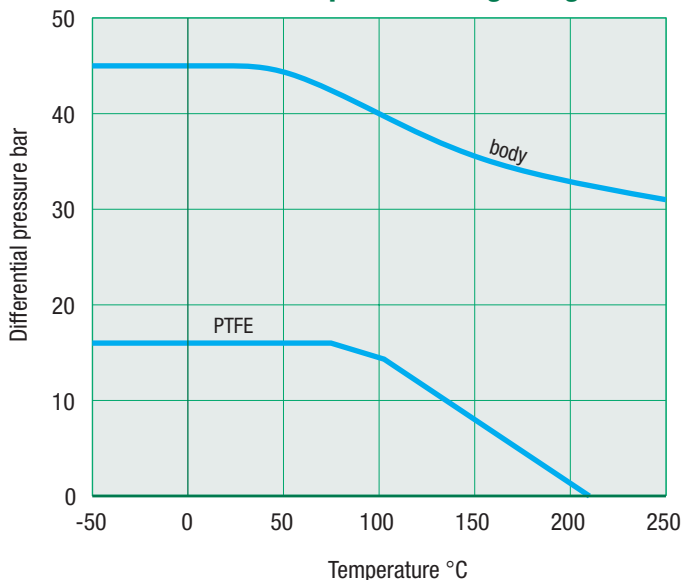
Flange connection:

DIN EN 1092-1, PN 10 - PN 40

ASME B 16.5 – Class 150



Pressure- and temperature range diagram

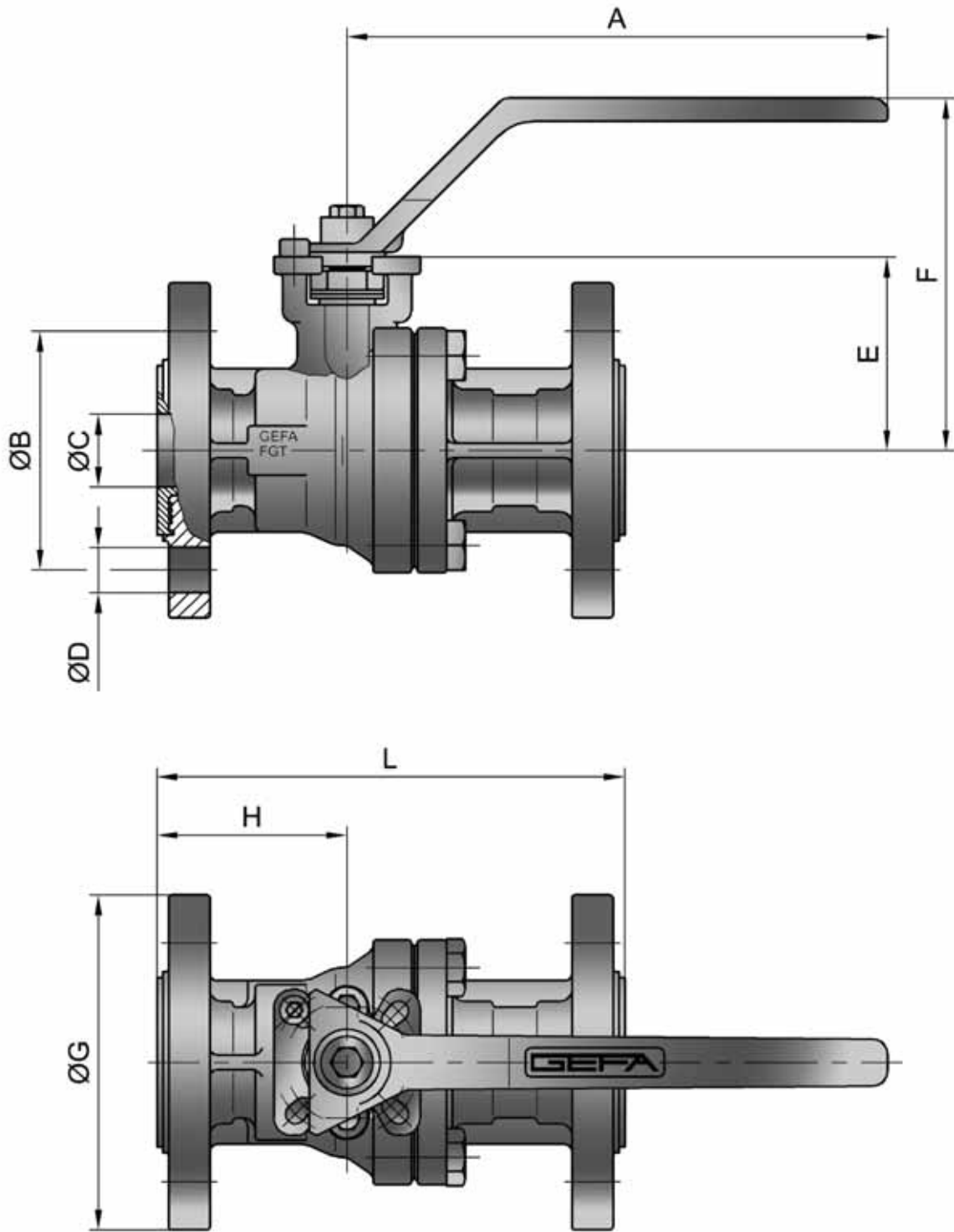


Parts list

Item	Description	Materials
1	Body	1.4408 / PFA
2	Body connector	1.4408 / PFA
3	Ball	1.4408 / PFA
4	Stem	1.4313 / PFA
5*	Seat	PTFE
6*	Packing	PTFE
7	Gland flange	1.4308
8	Gland	1.4301
9	Disc spring washer	1.4310
10	Hexagon screw	Stainless steel A2
11	Hexagon screw	Stainless steel A2
12	Hand lever	1.4308
13	Case	1.4305
14	Hexagon screw	Stainless steel A2

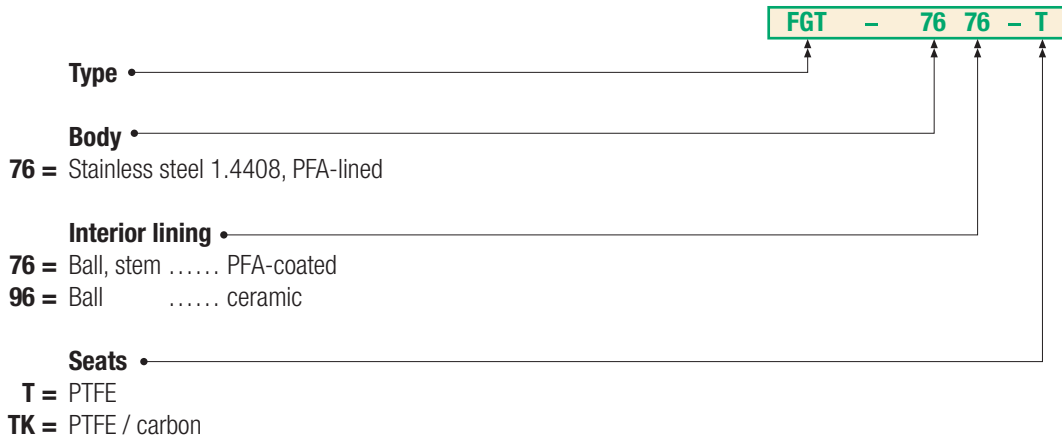
* = Wearing parts (repair kit)
Other materials available

Dimensions and weights



DN	NPS	A	ø B		ø C	ø D		E	F	ø G	H	L	Kg
			PN10-40	Class150		PN10-40	Class150						
15	1/2"	170	65	60,5	17	4 x 14	4 x 15,7	53	103	95	58	130	2,5
20	3/4"	170	75	69,9	20	4 x 14	4 x 15,7	56	105	105	65	150	3,3
25	1"	185	85	79,2	25	4 x 14	4 x 15,7	67	121	115	65	160	4,2
32	1 1/4"	185	100	88,9	32	4 x 18	4 x 15,7	72	126	140	75	180	5,7
40	1 1/2"	230	110	98,6	40	4 x 18	4 x 15,7	83	141	150	85	200	7,3
50	2"	230	125	120,7	50	4 x 18	4 x 19,1	91	148	165	100	230	10,0

Weight including hand lever



The breakaway torque relates to the valve in depressurized status. It can vary according to medium, temperature, pressure and frequency of cycles.

DN	Flange connection DIN 3337	Breakaway torque in Nm <small>Based on water at ambient temperature; seats made of PTFE</small> full bore	Flow coefficients (kvs) full bore
15	F04 / F05	12	20
20	F04 / F05	12	40
25	F04 / F05	18	75
32	F04 / F05	25	130
40	F05 / F07	35	170
50	F05 / F07	55	270

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Germany

Germaniastraße 28
D-44379 Dortmund

P.O. Box 70 01 10
D-44371 Dortmund

Phone 0049-2 31-610 09-0
Fax 0049-2 31-610 09 80



www.gefa.com
gefa@gefa.com