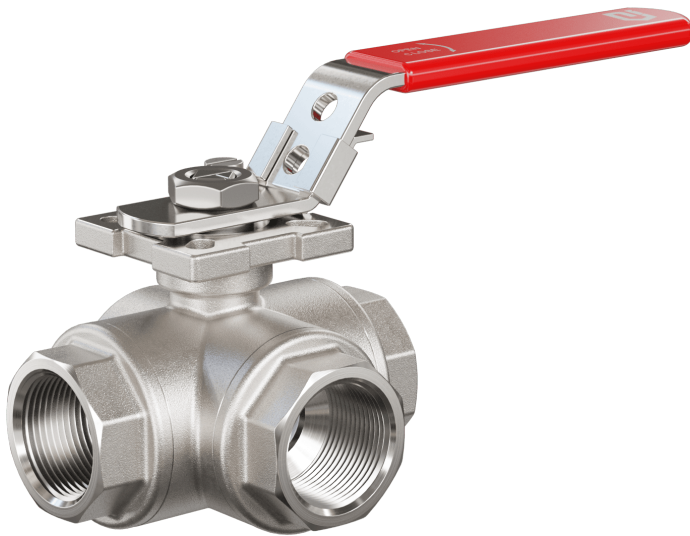


Three-way ball valve stainless steel type GK09



Description:

Three-way ball valve with thread connection made of stainless steel with reduced port design. Stainless steel ball and PTFE stem sealing to shut off a pipeline system.

Features:

- Suitable for **liquid & gaseous media**
- Reduced port design
- L- or T-bore
- Locking device
- Blow out proof stem design
- Antistatic device

Connection:

1/4", 3/8", 1/2", 3/4", 1", 1 1/4", 1 1/2", 2" inch

Construction:

reduced port design

Pressure:

0 – 40 bar

Design:

Reduced port design with T- or L-option

Material body:

Stainless steel 1.4408 / AISI CF8M

Material body seal:

PTFE

Material ball:

Stainless steel 1.4401 / AISI 316

Material seat:

PTFE filled with 15% glass fiber

Material stem seal:

PTFE

Material handle:

Stainless steel 1.4301 / AISI 304

Mounting flange:

According to DIN ISO 5211

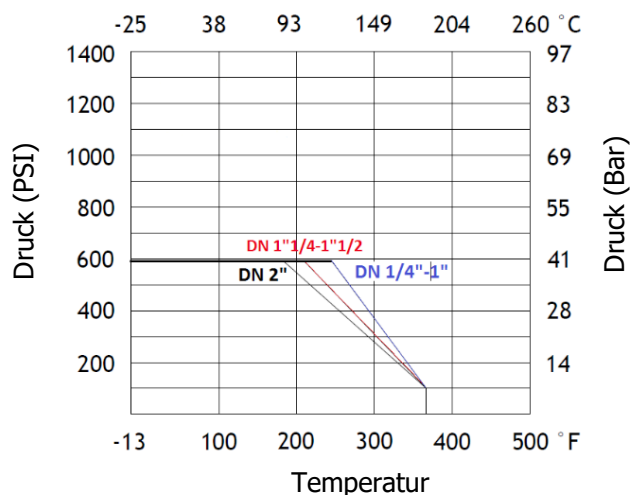
Temperature:

-25°C up to +180°C (depending on working pressure)

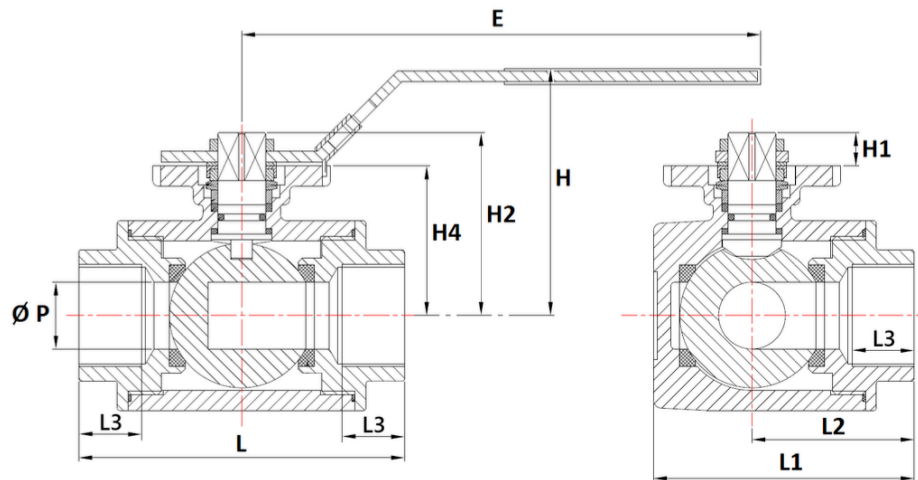
Pressure:

PN40

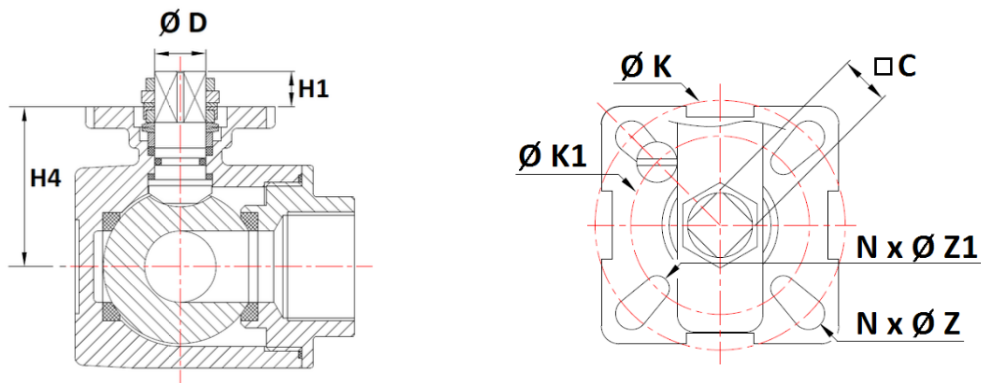
Pressure-temperature diagram:



Dimension:

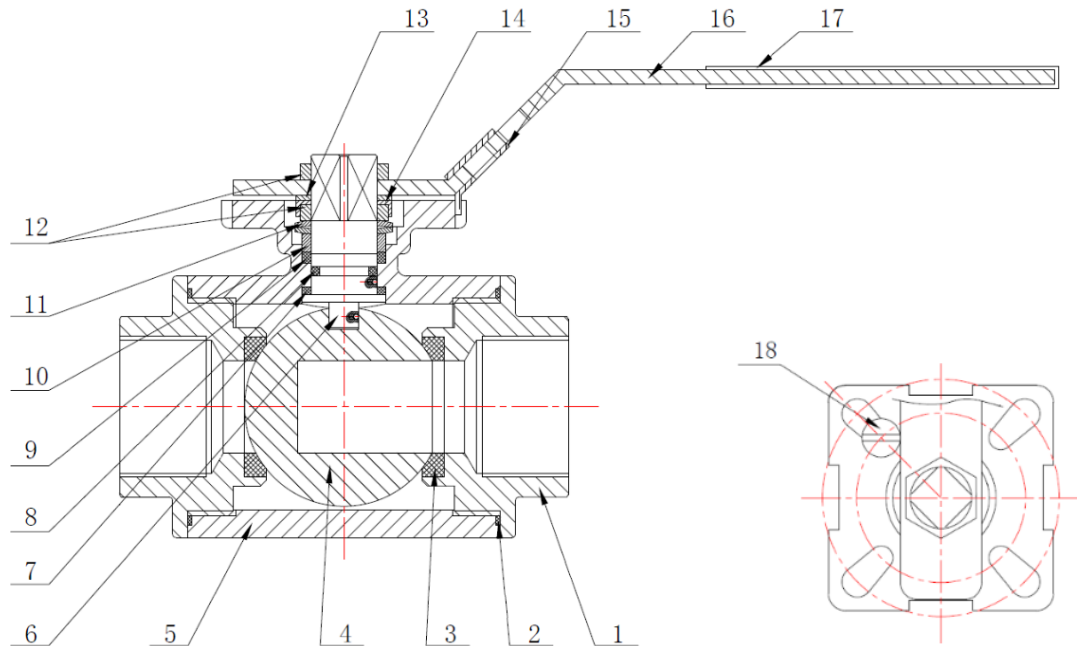


DN	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Ø P	9,5	11	12	15	20	25	32	40
L	75	75	75	85	100	122	131	158
L1	57,5	57,5	57,5	65,5	79	97	106,5	129
L2	37,5	37,5	37,5	42,5	50	61	65,5	79
L3	17	17	17	20	22	24	25	28
E	130	130	130	161	161	203	203	203
H	66	66	66	72	77	92	96	107
H1	8,5	8,5	8,5	11	12	13,5	13,5	13
H2	45,3	45,3	45,3	52	58,5	69,5	73,5	83,5
H4	36,8	36,8	36,8	41,2	46,5	56	60	70,5
Weight (kg)	0,70	0,67	0,63	0,94	1,39	2,91	3,66	6,31



DN	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
C	9	9	9	11	11	14	14	14
Ø D	M12x1,5	M12x1,5	M12x1,5	M14x1,5	M14x1,5	M18x1,5	M18x1,5	M18x1,5
H1	8,5	8,5	8,5	11	12	13,5	13,5	13
H4	36,8	36,8	36,8	41,2	46,5	56	60	70,5
Ø K	42	42	42	50	50	70	70	70
ISO	F04	F04	F04	F05	F05	F07	F07	F07
N x Ø Z	4 x 6	4 x 6	4 x 6	4 x 7	4 x 7	4 x 9	4 x 9	4 x 9
Ø K1	36	36	36	42	42	50	50	50
ISO	F03	F03	F03	F04	F04	F05	F05	F05
N x Ø Z1	4 x 6	4 x 6	4 x 6	4 x 6	4 x 6	4 x 7	4 x 7	4 x 7

Materials:



No.	Designation	Material
1	Ends	Stainless steel 1.4408 / ASTM A351 CF8M
2	Body gasket	PTFE
3	Seat	PTFE + 15% Glasfaser
4	Ball	Stainless steel 1.4401 / AISI 316
5	Body	Stainless steel 1.4408 / ASTM A351 CF8M
6	Stem	Stainless steel 1.4401 / AISI 316
7	Stem gasket	PTFE
8	O-Ring	FKM
9	Packing	PTFE
10	Gland	Stainless steel 1.4401 / AISI 316
11	Elastic ring	Stainless steel 1.4310 / AISI 301
12	Nut	Stainless steel 1.4301 / AISI 304
13	Washer	Stainless steel 1.4301 / AISI 304
14	Packing nut	Stainless steel 1.4301 / AISI 304
15	Locking device	Stainless steel 1.4301 / AISI 304
16	Handle	Stainless steel 1.4301 / AISI 304
17	Handle cover	Plastic
18	Stop pin	Stainless steel 1.4301 / AISI 304

Flow coefficient Kvs (m³/h):

DN	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Kvs (m³/h)	2,29	3,86	4,75	5,11	11,8	19,6	33,2	53,7

Torque values (in Nm without safety coefficient):

DN	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Torque (Nm)	8	8	8	9	15	20	30	45

Basic position: L = 1
T = 3

Different switch position:

3-way-ball-valve L- and T-drilling				
T-drilling				
L-drilling				

Standards:

- DIRECTIVE 2014/68/EU: For liquids and gas of group 1
 - DN 1/4" (DN8) – 1" (DN25): Article 4, §3 (SEP), no CE marking
 - DN 1 1/4" (DN32) – 2" (DN50): Risk Category II Modul A2, CE0036
- Pressure tests according to API 598, table 6
- Threaded BSP according to ISO 7-1 Rp
- Mounting flange according to ISO 5211

Options (on request):

- ATEX Group II Category 2 GD c T2 Zone 1 & 21 Zone 2 & 22

Article number:

Type	Version	Seal	Size
GK09	00 – T-bore	00 – PTFE	01 – 1/4"
	01 – L-bore		02 – 3/8"
			03 – 1/2"
			04 – 3/4"
			05 – 1"
			06 – 1 1/4"
			07 – 1 1/2"
			08 – 2"

Example no. GK09000005:

GK09 | 00 | 00 | 05

Three-way ball valve made of stainless steel
Version: T-bore
Seal: PTFE
Size: 1"

Image similar, subject change without notice.