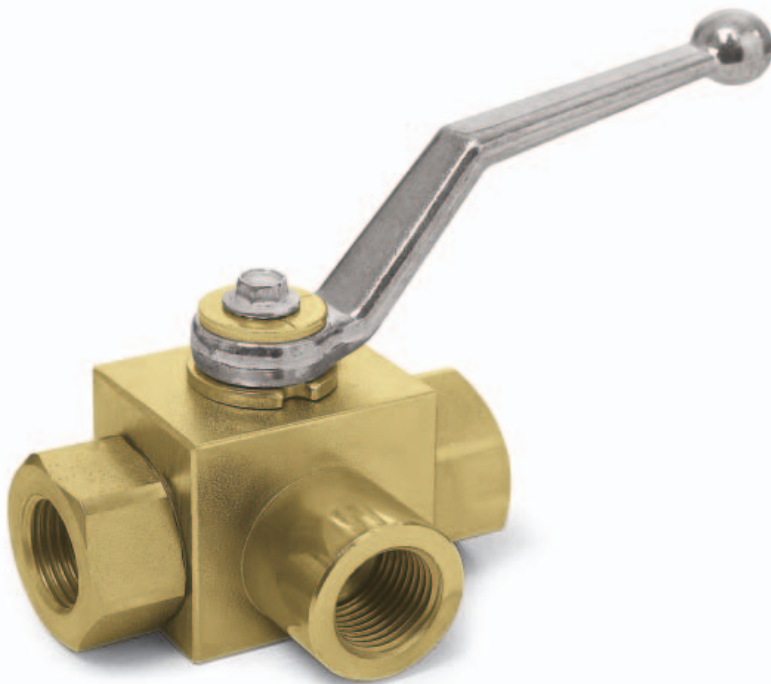


3-WAY HIGH PRESSURE BALL VALVES L T DIAGRAM

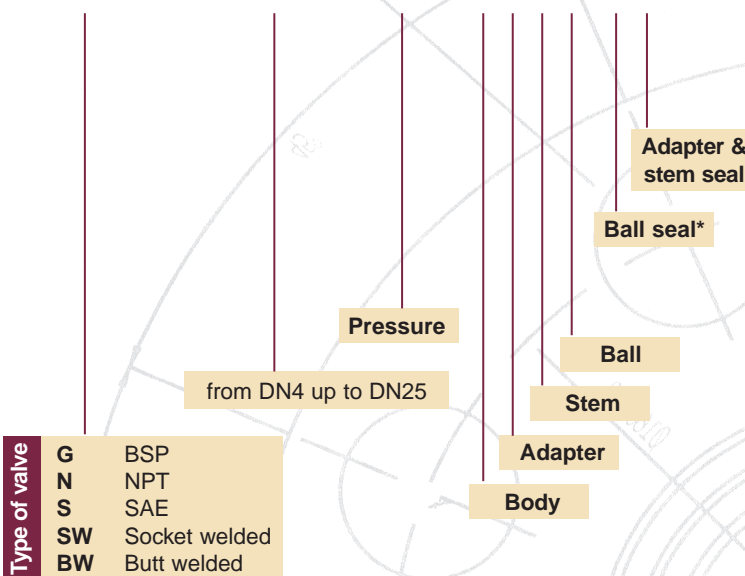


SPECIFICATIONS

• Type	ball valve GE 3way
• Body	block
• Material	AISI 12L14
• Size	from DN4 up to DN25
• O-Rings	NBR, FPM, MQV, EPDM, FFKM
• Operating pressure	400 Bar depending on valve size and seal materials selected
• Temp range	-10°C to +100°C depending on seal material selected

MODEL CODE

GE3 G 1/2 L DN13 PN350 1 1 1 1 A B



MATERIAL CLASSIFICATION

N.	DIN	W.Nr	AISI	ASTM
1	9 SMn Pb 36	1.0737	12L14	-
2	St 52-3	1.0570	-	A105
3	X12 CrNiS 18 8	1.4305	303	-
4	X2 CrNiMo 18 12	1.4435	316L	-
5	X20 Cr 13	1.4021	420	-
6	X5 CrNi 18 9	1.4301	304	-

SEAL CLASSIFICATION

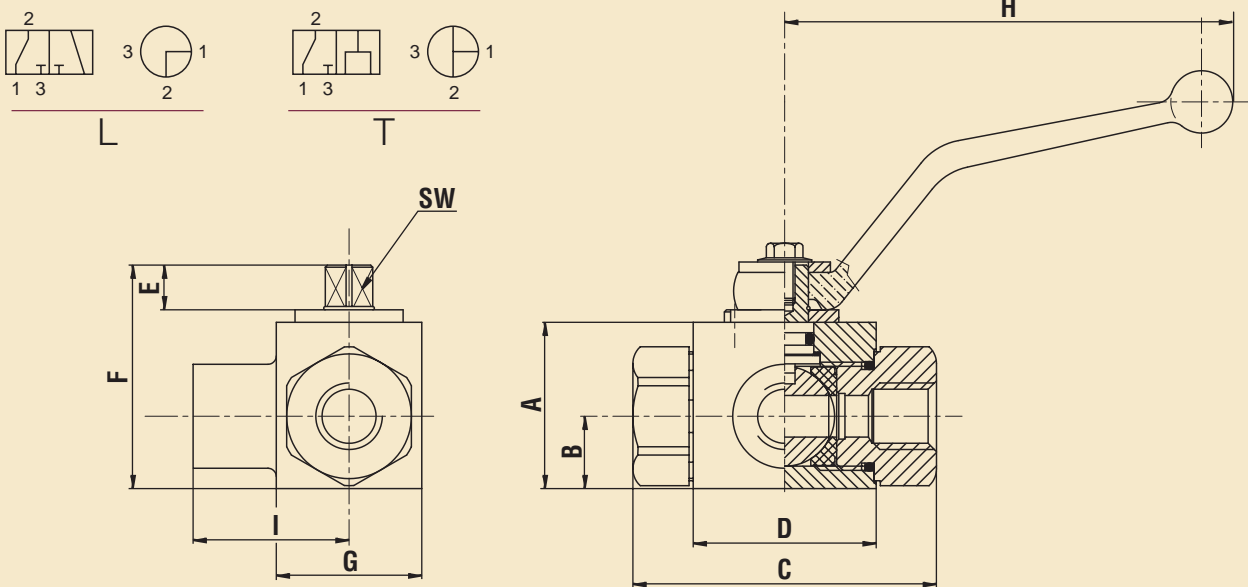
A	POM	G	PA 612
B	NBR70 (BUNA)	K	GEMPTFE
C	RPTFE	H	PCTFE
D	PEEK	I	KARLEZ®
E	FKM	L	MVQ (silicon)
F	EPDM	M	Metal to Metal

*For the complete list of plastic material compatibility see pp. 40.6

GE3 PN 400

3-WAY HIGH PRESSURE BALL VALVES L T DIAGRAM

TECHNICAL DRAWING

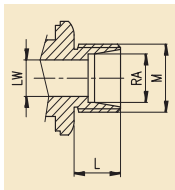


	TYPE	PN	DN	A	B	C	D	E	F	G	H	I	L	M	SW	LW	Kg	Item Code
	GE3 G 1/8	400 bar	4	35	14	71	42	11	49	30	110	33.5	11	G 1/8	9	4	0.50	GE3GGT04011A000
	GE3 G 1/4	400 bar	6	35	14	71	42	11	49	30	110	33.5	16	G 1/4	9	6	0.50	GE3GGT14011A000
	GE3 G 3/8	400 bar	10	40	17	73	44	11	54	35	110	37	16	G 3/8	9	10	0.70	GE3GGT24011A000
	GE3 G 1/2	350 bar	13	43	18	83	48	11	57	37	110	40	17	G 1/2	9	13	0.80	GE3GGT33011A000
	GE3 G 3/4	350 bar	20	55	23	95	62	13	73	45	180	52	21	G 3/4	14	20	1.50	GE3GGT43011A000
	GE3 G 1"	350 bar	25	65	29	112	66	13	83	55	180	60	24	G 1"	14	25	2.35	GE3GGT53011A000
	GE3 G 1" 1/4	350 bar	25	65	29	120	66	13	83	55	180	61.5	24	G 1" 1/4	14	25	2.50	GE3GGR63011A000
	GE3 G 1" 1/2	350 bar	25	65	29	124	66	13	83	55	180	61.5	24	G 1" 1/2	14	25	2.70	GE3GGR73011A000

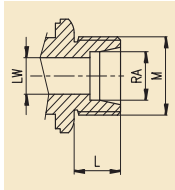
	TYPE	PN	DN	A	B	C	D	E	F	G	H	I	L	M	SW	LW	Kg	Item Code
	GE3 N 1/8	5800 psi	4	35	14	71	42	11	49	30	110	33.5	11	G 1/8	9	6	0.50	GE3NNT04011A000
	GE3 N 1/4	5800 psi	6	35	14	71	42	11	49	30	110	33.5	16	G 1/4	9	6	0.50	GE3NNT14011A000
	GE3 N 3/8	5800 psi	10	40	17	73	44	11	54	35	110	37	16	G 3/8	9	10	0.70	GE3NNT24011A000
	GE3 N 1/2	5075 psi	13	43	18	83	48	11	57	37	110	40	17	G 1/2	9	13	0.80	GE3NNT33011A000
	GE3 N 3/4	5075 psi	20	55	23	95	62	13	73	45	180	52	21	G 3/4	14	20	1.50	GE3NNT43011A000
	GE3 N 1"	5075 psi	25	65	29	112	66	13	83	55	180	60	24	G 1"	14	25	2.35	GE3NNT53011A000
	GE3 N 1" 1/4	5075 psi	25	65	29	120	66	13	83	55	180	61.5	24	G 1" 1/4	14	25	2.50	GE3NNT63011A000
	GE3 N 1" 1/2	5075 psi	25	65	29	124	66	13	83	55	180	61.5	24	G 1" 1/2	14	25	2.70	GE3NNT73011A000



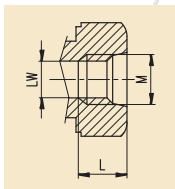
DIN 2353 LIGHT SERIES



TYPE	PN	DN	A	B	C	D	E	F	G	H	I	L	M	SW	LW	Kg	Item Code
GE3 6L	400 bar	6	35	14	76	42	11	49	30	110	36	10	12X1.5	9	6	0.50	GE3DDL04011A000
GE3 8L	400 bar	6	35	14	76	42	11	49	30	110	36	10	14X1.5	9	8	0.50	GE3DDL14011A000
GE3 10L	400 bar	6	35	14	76	44	11	54	35	110	36	11	16X1.5	9	10	0.50	GE3DDRL4011A000
GE3 10L	400 bar	10	40	17	76.5	44	11	54	35	110	41	11	16X1.5	9	10	0.65	GE3DDL24011A000
GE3 12L	400 bar	10	40	17	76	44	11	54	35	110	41	11	18X1.5	9	12	0.65	GE3DDL34011A000
GE3 15L	350 bar	13	43	18	79	48	11	57	37	110	44	12	22X1.5	9	15	0.75	GE3DDL43011A000
GE3 18L	350 bar	13	43	18	87	48	11	57	37	110	44	12	26X1.5	9	18	0.75	GE3DDL53011A000
GE3 22L	350 bar	20	55	23	110	62	13	73	45	180	57	14	30X2	14	22	1.40	GE3DDL63011A000
GE3 28L	350 bar	25	65	29	115	66	13	83	55	180	64	14	36X2	14	28	2.15	GE3DDL73011A000
GE3 35L	350 bar	25	65	29	119	66	13	83	55	180	66	16	45X2	14	35	2.35	GE3DDL83011A000
GE3 42 L	350 bar	25	65	29	119	66	13	83	55	180	69	16	52X2	14	42	2.45	GE3DDL93011A000



TYPE	PN	DN	A	B	C	D	E	F	G	H	I	L	M	SW	LW	Kg	Item Code
GE3 8S	400 bar	4	35	14	76	42	11	49	30	110	36	11	16X1.5	9	8	0.50	GE3DDS04011A000
GE3 10S	400 bar	6	35	14	76	42	11	49	30	110	36	12	18X1.5	9	10	0.50	GE3DDS14011A000
GE3 12S	400 bar	8	35	14	76	42	11	49	30	110	36	12	20X1.5	9	12	0.50	GE3DDRS4011A000
GE3 12S	400 bar	10	40	17	76	44	11	49	30	110	36	12	20X1.5	9	12	0.65	GE3DDS24011A000
GE3 14S	400 bar	10	40	17	83	44	11	54	35	110	41	14	22X1.5	9	14	0.65	GE3DDS34011A000
GE3 16S	350 bar	13	43	18	89	48	11	57	37	110	44	14	24X1.5	9	16	0.75	GE3DDS43011A000
GE3 20S	350 bar	13	43	18	93	48	11	57	37	110	44	16	30X2	9	20	0.75	GE3DDS53011A000
GE3 25S	350 bar	20	55	23	110	62	13	73	45	180	57	18	36X2	14	25	1.40	GE3DDS63011A000
GE3 30S	350 bar	25	65	29	120	66	13	83	55	180	64	20	42X2	14	30	3.15	GE3DDS73011A000
GE3 38S	350 bar	25	65	29	132	66	13	83	55	180	66	22	52X2	14	38	2.15	GE3DDS83011A000



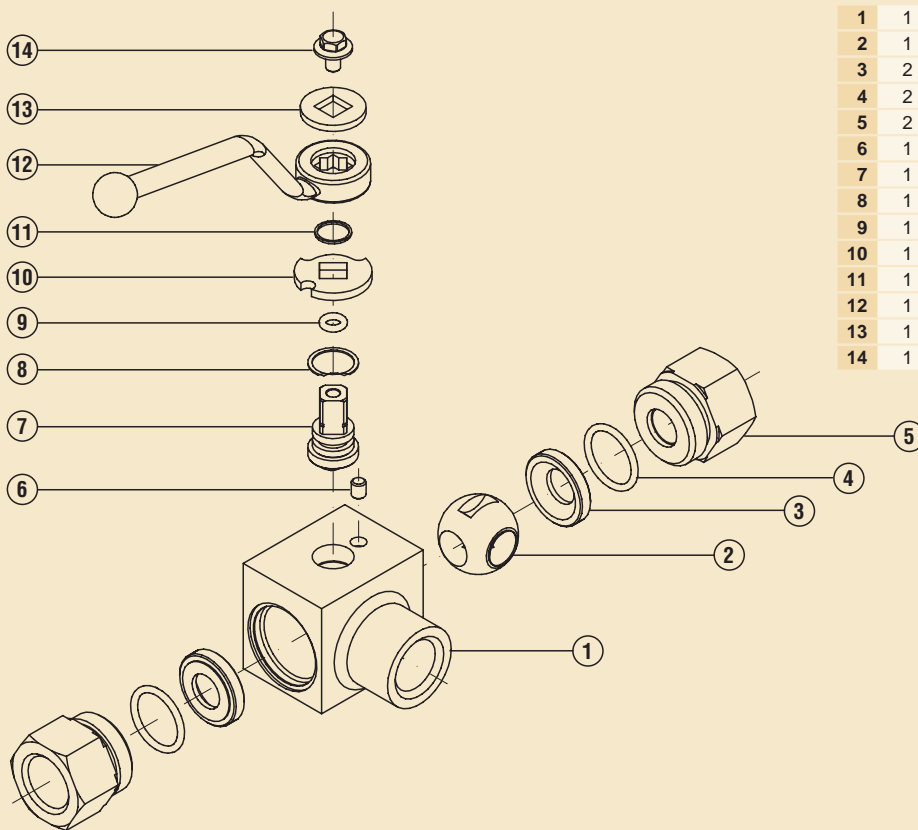
TYPE	PN	DN	A	B	C	D	E	F	G	H	I	L	M	SW	LW	Kg	Item Code
GE3 SAE 4	5800 psi	6	35	14	70	42	11	49	30	110	33.5	16	SAE 4	9	6	0.5	GE3EEE04011A000
GE3 SAE 6	5800 psi	10	40	17	73	44	11	54	35	110	37	16	SAE 6	9	10	0.65	GE3EEE14011A000
GE3 SAE 8	5075 psi	13	43	18	83	48	11	57	37	110	40	17	SAE 8	9	13	0.75	GE3EEE24011A000
GE3 SAE 12	5075 psi	20	55	23	95	62	13	73	45	180	52	22	SAE 12	14	20	1.4	GE3EEE33011A000
GE3 SAE 16	5075 psi	25	65	29	112	66	13	83	55	180	60	24	SAE 16	14	25	2.15	GE3EEE43011A000
GE3 SAE 20	5075 psi	25	65	29	120	66	13	83	55	180	61.5	24	SAE 20	14	25	2.25	GE3EEE53011A000
GE3 SAE 24	5075 psi	25	65	29	124	66	13	83	55	180	61.5	24	SAE 24	14	25	2.35	GE3EEE73011A000

"The company reserves the right to operate dimensional changes without prior notice".

GE3 PN 400

3-WAY HIGH PRESSURE BALL VALVES L T DIAGRAM

EXPLODED DRAWING



1	1	Body 1/2 GE	1.0737
2	1	Ball 1/2 GE	1.0737
3	2	Seal ball 1/2 GE	POM
4	2	O-ring	NBR
5	2	Adapter 1/2 Gas GE	1.0737
6	1	Spine	Fe37
7	1	Stem 1/2 GE	1.0737
8	1	Seal-stem	POM
9	1	O-ring	NBR
10	1	Washer	Fe37
11	1	Seeger	UNI 3545
12	1	Handle SW9 GE	ZAMA
13	1	Washer	Fe37
14	1	Screw	1.0737

MAXIMUM AND MINIMUM ADMISSIBLE WORKING TEMPERATURES FOR SEAL

POM	-30∞	+100∞
NBR	-30∞	+100∞
RPTFE	-220∞	+230∞
PEEK	-50∞	+250∞
VITON	-25∞	+200∞
EPDM	-50∞	+150∞
PA612	-45∞	+145∞
GEMPTFE	-220∞	+230∞
HNBR	-40∞	+150∞
	0-°C	

CAPACITY COEFFICIENT

Test with water at 20°C		
DN FB	Cv / G.P.M.	Kv / m³h
6	5	4.27
10	7	6
13	35	30.2
20	61	53.7
25	105	90.66
32	210	179.5
40	285	245.2
50	425	364.52
65	750	645.4
80	1038	889.5
100	NR	NR

ON REQUEST

- Reduced bore
- O-Ring in EPDM, FFKM, MQV
- Seals in POM, PEEK, PA 612, RPTFE, GEMPTFE
- Special Threads
- Body in AISI 316L
- Ball in AISI 316
- Pressure Class PN 100 to PN 500
- Actuator
- Security block
- Locking device

• For further special requests please consult our technical/commercial service