



GEMELS®



50
YEARS
1969-2019



ITALIAN BALL VALVES MANUFACTURER
SINCE 1969

GEMELS SRL

SPECIALIST IN BALL
VALVES MANUFACTURING



THE COMPANY'S FOUNDATION

GEMELS was founded in 1969 as a Company specialized in the designing and manufacturing of ball valves from 1/4" up to 36".

A WORLDWIDE LEADER

GEMELS became a worldwide leader in industrial & hydraulic field, and since 2010 started to focalize and to invest more and more also in Oil & Gas field.

WHERE WE ARE

In the middle of North Italy, **GEMELS** is located in Trescore Balneario (Bergamo), less than 50 km from Milan, with an area of more than 10.000 mq.

DESIGN

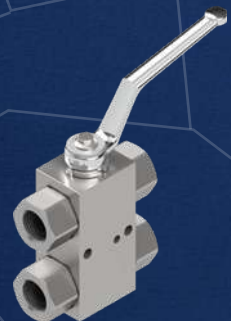
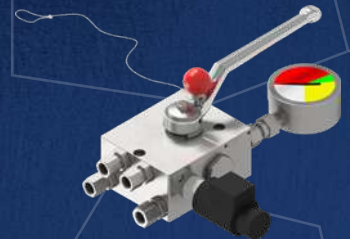
INNOVATIVE SOLUTIONS

LEAN SOLUTIONS
CUSTOMIZED
VALVES

The principles of TPS are the basis of **GEMELS** philosophy, based on lean production, 5S, excellence in quality and a process of continuous improvement. Thanks to these strong believes, **GEMELS** has specialized over the years in the design and production of valves for special & critical applications, providing customers with lean solutions and customized valves.

RESEARCH AND
DEVELOPMENT

Thanks to the rigorous study of advanced and innovative solutions by our R&D dept, **GEMELS** also obtained 2 patents in Italy and Europe.



— PRODUCTION

100% MADE IN ITALY

MORE THAN
50.000 VALVES
PER MONTH

The production area, where **GEMELS** produce more than 50.000 ball valves per month, consists of more than 40 machines including automatic numerical controlled machines and semi-automatic ones, among which CNC, lathes, transfers, boring machines, machining centers etc.

These technologies and the high qualified personnel help **GEMELS** to achieve the quality standards and excellence, obtaining the required technical characteristics and being trustworthy in the market.



ASSEMBLING

AUTOMATIC ASSEMBLING AND TESTING LINE

To ensure an additional quality guarantee, at the beginning of 2017 it was installed in our plant a new automatic assembly line for the mounting and testing of the ball valves. This machine permits the assembly and the relative test, of all the standard valves up to 1". For each assembled valve it is done an automatic report that shows every step of the process, thanks to the pictures shot by the cameras placed in each station of the machine.





MANUAL
ASSEMBLING
LINE

Beside this machine, there is the 'historic' manual assembly line for the assembly of special models and of big size ball valves up to 36".

100% TESTED

All the production follows all the required standards, performing rigorous tests before and after the assembly of all the production.

After the internal assembly, all valves are 100% tested using specific test benches.



— STOCK AND SHIPPING DEPT

FAST
DELIVERY

With a warehouse of 2.000mq, divided between components and finished product, **GEMELS** is able to guarantee a wide range of products with fast delivery.

GLOBAL PRESENCE



100 COUNTRIES

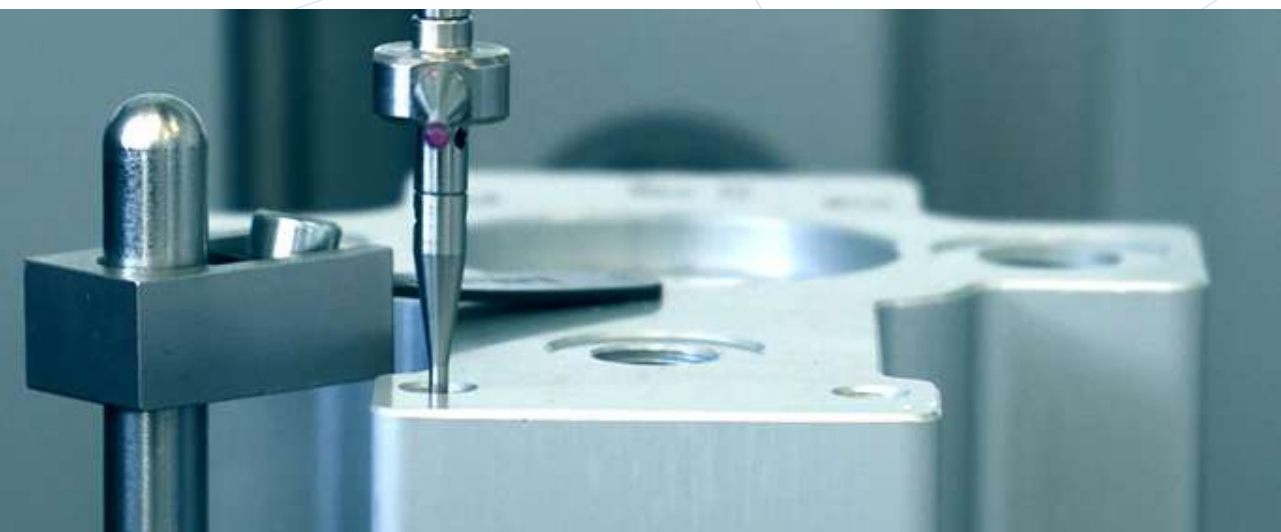
GEMELS has a strong global presence with a network of distributors and partners all over the world. Exploring to almost 100 countries **GEMELS** is able to guarantee the faster solution to all customers across the five continents.

QUALITY LAB AND TESTING

INTERNAL LABORATORY

The excellence of the quality is the main characteristic of **GEMELS** ball valves and it is possible due to the accurate selection of raw materials, staff and partners carried out by the management.

Moreover, in our Internal Laboratory **GEMELS** qualified personnel tests the life of the valves, simulating with special machineries (burst test, impulse test, saltspray test, climatic room, tridimensional check, microscope, hardness gauge, bidimensional gauge) critical applications and conditions to constantly ensure the highest quality.



CERTIFICATION

THE EXCELLENCE OF QUALITY

SYSTEM CERTIFICATIONS:



Quality management system

ISO 9001



Environmental management systems

ISO 14001



Health & Safety

OHSAS 18001

PRODUCTS CERTIFICATIONS:

- ✓ API 6D
- ✓ CE PED Mod. H
- ✓ CE PED Mod. A2
- ✓ ATEX
- ✓ FIRE SAFE
- ✓ FUGITIVE EMISSION
- ✓ TA LUFT
- ✓ SIL 3
- ✓ EAC
- ✓ CRN

OUR
CERTIFICATIONS

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GE

GEM - GE1 - GE2 - GE2 HC

GE3 - GE5 - GE3K - GEF

GES - GEC



GEM

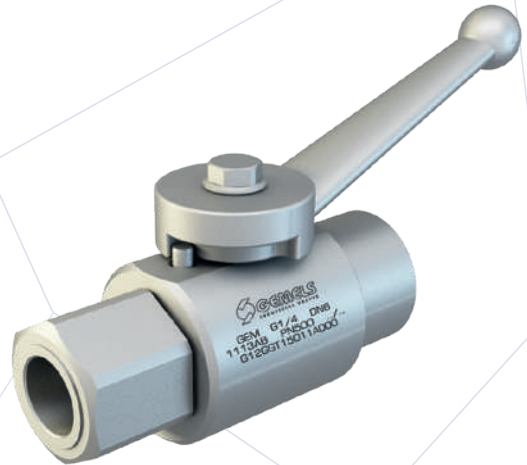
2-WAY HIGH PRESSURE BALL VALVES

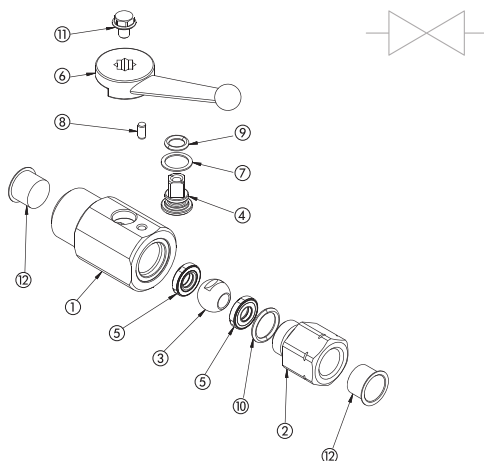
CARBON STEEL

- Type: ball valve GEM 2 way
- Body: round
- Ball seats: DN6
- Operating pressure: 500 Bar
depending on valve size and seal materials selected
- Temp range: -20°C to +100°C
depending on seal material selected

STAINLESS STEEL

- Type: ball valve GEM 2 way
- Body: round
- Ball seats: DN6
- Operating pressure: 500 Bar
depending on valve size and seal materials selected
- Temp range: -30°C to +100°C
depending on seal materials selected





CARBON STEEL			
POS	DESCRIPTION	MATERIAL	Q.TY
1	Body	1,0737	1
2	Adapter	1,0737	1
3	Ball	1,0737	1
4	Stem	1,0737	1
5	Ball seat	POM	2
6	Handle	ZINC	1
7	Stem ring	POM	1
8	Spine	1,0737	1
9	Stem o-ring	NBR	1
10	Adapter o-ring	NBR	2
11	Screw	DIN 6921 8.8	1
12	Caps	PVC	2

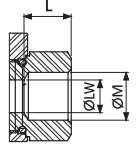
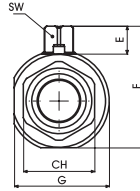
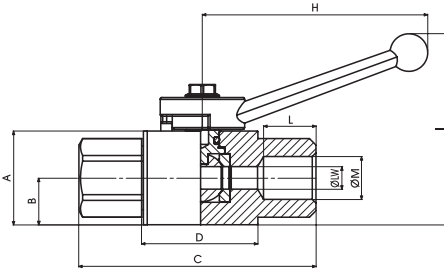
CARBON STEEL													
GEM		G ¼			DN6		1	1	1	1	A	B	
TYPE AND WAY OF VALVE	GAS DIN/ ISO 228 BSP	NPT ANSI/ ASME B1.20.1	SAE J1926-1	DIN 2353 HEAVY SERIES	DIN 2353 LIGHT SERIES	NOMINAL DIMENSION	BODY MATERIAL	ADAPTER MATERIAL	STEM MATERIAL	BALL MATERIAL	BALL SEAT MATERIAL	ADAPTER AND STEM SEAL MATERIAL	
GEM 2-way	G ¼	N ¼	SAE4	8S 10S	6L 8L	DN6	1 1,0737	1 1,0737	1 1,0737 4 1,4404*	1 1,0737 4 1,4404*	A POM D PEEK* G PA612* K GEMPTFE* C PTFE*	B NBR E FKM* F EPDM* L MVQ*	

STAINLESS STEEL			
POS	DESCRIPTION	MATERIAL	Q.TY
1	Body	1,4305	1
2	Adapter	1,4305	1
3	Ball	1,4404	1
4	Stem	1,4305	1
5	Ball seat	POM	2
6	Handle	ZINC	1
7	Stem ring	POM	1
8	Spine	1,4301	1
9	Stem o-ring	NBR	1
10	Adapter o-ring	NBR	2
11	Screw	DIN 6921 A2	1
12	Caps	PVC	2

STAINLESS STEEL													
GEM		G ½			DN6		3	3	3	3	A	B	
TYPE AND WAY OF VALVE	GAS DIN/ ISO 228 BSP	NPT ANSI/ ASME B1.20.1	SAE J1926-1	DIN 2353 HEAVY SERIES	DIN 2353 LIGHT SERIES	NOMINAL DIMENSION	BODY MATERIAL	ADAPTER MATERIAL	STEM MATERIAL	BALL MATERIAL	BALL SEAT MATERIAL	ADAPTER AND STEM SEAL MATERIAL	
GEM 2-way	G ¼	N ¼	SAE4	8S 10S	6L 8L	DN6	3 1,4305	3 1,4305	3 1,4305	3 1,4305	A POM D PEEK* G PA612* K GEMPTFE* C PTFE*	B NBR E FKM* F EPDM* L MVQ*	

- *On request:
- Reduced bore
 - Special threads
 - Pressure class up to PN50 Mpa
 - Locking device

For further special requests please consult our technical/commercial service



GEM DIN/ISO 228 BSP

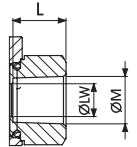
Standard

TYPE	PN	DN	A	B	C	D	E	F	G	H	I	L	ØM	CH	SW	ØLW	KG	CARBON STEEL	STAINLESS STEEL
																		ITEM CODE	ITEM CODE
GEM G 1/4	50 MPa	6	25	12,5	63	31,5	7	32,5	26,8	60	51	14	G 1/4	19	6	6	0,195	G12GGT15011A000	G12GGT15033A000

GEM ANSI/ASME B1.20.1 NPT

Standard

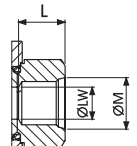
TYPE	PN	DN	A	B	C	D	E	F	G	H	I	L	ØM	CH	SW	ØLW	KG	CARBON STEEL	STAINLESS STEEL
																		ITEM CODE	ITEM CODE
GEM N 1/4	50 MPa	6	25	12,5	63	31,5	7	32,5	26,8	60	51	14	N 1/4	19	6	6	0,195	G12NNT15011A000	G12NNT15033A000



GEM SAE J1926-1

Standard

TYPE	PN	DN	A	B	C	D	E	F	G	H	I	L	ØM	CH	SW	ØLW	KG	CARBON STEEL	STAINLESS STEEL
																		ITEM CODE	ITEM CODE
GEM SAE4	50 MPa	6	25	12,5	63	31,5	7	32,5	26,8	60	51	14	7/16-20 UNF	19	6	6	0,195	G12EEE05011A000	G12EEE05033A000



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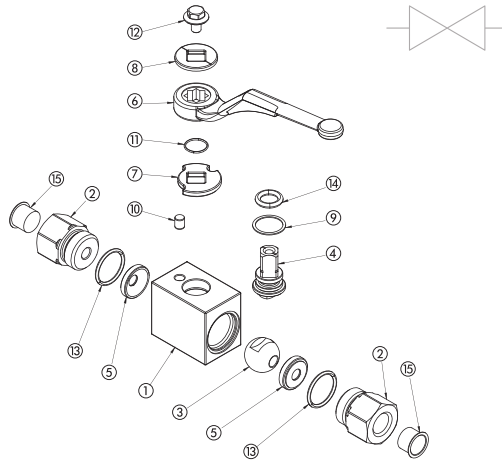
GE1

2-WAY HIGH PRESSURE BALL VALVES

CARBON STEEL

- Type: ball valve GE 2 way
- Body: block
- Ball seats: from DN6 up to DN13
- Operating pressure: 500 Bar
depending on valve size and seal materials selected
- Temp range: -20°C to +100°C
depending on seal material selected





**SMALLER
DESIGN**

CARBON STEEL			
POS	DESCRIPTION	MATERIAL	Q.TY
1	Body	1,0737	1
2	Adapter	1,0737	2
3	Ball	1,0737	1
4	Stem	1,0737	1
5	Ball seat	POM	2
6	Handle	ZINC	1
7	Washer	1,0116	1
8	Washer	1,0116	1
9	Stem ring	POM	1
10	Spine	1,0737	1
11	Seeger	1,4301	1
12	Adapter o-ring	NBR	2
13	Stem o-ring	NBR	1
14	Screw	Din 6921 8.8	1
15	Caps	PVC	2

CARBON STEEL										
GE1	G¼		DN10	1	1	1	1	A	B	
TYPE AND WAY OF VALVE	GAS DIN/ ISO 228 BSP	NPT ANSI/ ASME B1.20.1	SAE J1926-1	NOMINAL DIMENSION	BODY MATERIAL	ADAPTER MATERIAL	STEM MATERIAL	BALL MATERIAL	BALL SEAT MATERIAL	ADAPTER AND STEM SEAL MATERIAL
GE2 2-way	G ¼	N ¼	SAE4	DN6 DN10 DN13	1 1,0737	1 1,0737	1 1,0737 4 1,4404*	1 1,0737 4 1,4404*	A POM	B NBR

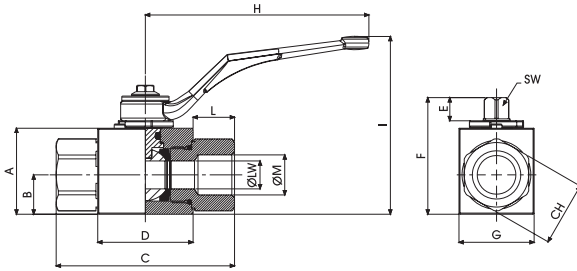
*On request:

- Reduced bore
- Special threads

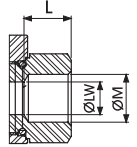
- Pressure class up to PN50 MPa
- Pneumatic and electrical actuator

- Security block
- Locking device

For further special requests please consult our technical/commercial service



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GE1 DIN/ISO 228 BSP

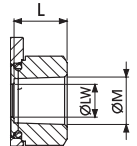
Standard

TYPE	PN	DN	A	B	C	D	E	F	G	H	I	L	ØM	CH	SW	ØLW	KG	CARBON STEEL
																		ITEM CODE
GE1 G 1/4	50 MPa	6	33	14,3	69	39,4	11,1	47,25	26	110	87	14,8	G 1/4	22	9	6	0,378	GE1GGT15011A000
GE1 G 3/8	50 MPa	10	35	15	71	41,8	11,1	49,25	30	110	89	14,6	G 3/8	27	9	10	0,467	GE1GGT25011A000
GE1 G 1/2	50 MPa	13	40	18,3	83	44,4	11,1	54,25	35	110	94	19,3	G 1/2	30	9	13	0,635	GE1GGT35011A000

GE1 ANSI/ASME B1.20.1 NPT

Standard

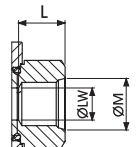
TYPE	PN	DN	A	B	C	D	E	F	G	H	I	L	ØM	CH	SW	ØLW	KG	CARBON STEEL
																		ITEM CODE
GE1 N 1/4	50 MPa	6	33	14,3	69	39,4	11,1	47,25	26	110	87	14,8	N 1/4	22	9	6	0,378	GE1NNT15011A000
GE1 N 3/8	50 MPa	10	35	15	71	41,8	11,1	49,25	30	110	89	14,6	N 3/8	27	9	10	0,467	GE1NNT25011A000
GE1 N 1/2	50 MPa	13	40	18,3	83	44,4	11,1	54,25	35	110	94	19,3	N 1/2	30	9	13	0,635	GE1NNT35011A000

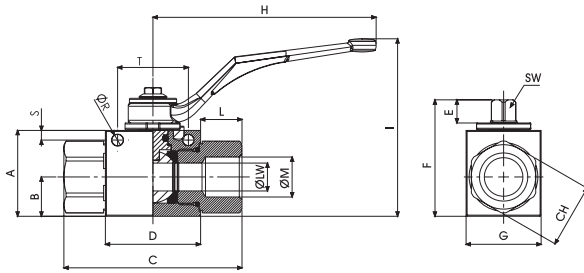


GE1 SAE J1926-1

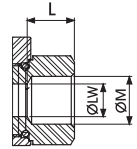
Standard

TYPE	PN	DN	A	B	C	D	E	F	G	H	I	L	ØM	CH	SW	ØLW	KG	CARBON STEEL
																		ITEM CODE
GE1 SAE4	50 MPa	6	33	14,3	69	39,4	11,1	47,25	26	110	87	14,8	7/16 UNF	22	9	6	0,378	GE1EEE05011A000
GE1 SAE6	50 MPa	10	35	15	71	41,8	11,1	49,25	30	110	89	14,6	9/16 UNF	27	9	10	0,467	GE1EEE15011A000
GE1 SAE8	50 MPa	13	40	18,3	83	44,4	11,1	54,25	35	110	94	19,3	3/4 UNF	30	9	13	0,635	GE1EEE25011A000





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GE1 DIN/ISO 228 BSP

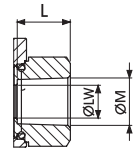
Fixing holes

																					CARBON STEEL
TYPE	PN	DN	A	B	C	D	E	F	G	H	I	L	ØM	CH	ØR	S	T	SW	ØLW	KG	ITEM CODE
GE1 G 1/4	50 MPa	6	33	14,3	69	39,4	11,1	47,25	26	110	87	14,8	G 1/4	22	5,10	4,5	33	9	6	0,378	GE1GGT15011AF10
GE1 G 3/8	50 MPa	10	35	15	71	41,8	11,1	49,25	30	110	89	14,6	G 3/8	27	5,25	4,5	33	9	10	0,467	GE1GGT25011AF10
GE1 G 1/2	50 MPa	13	40	18,3	83	44,4	11,1	54,25	35	110	94	19,3	G 1/2	30	5,25	4,5	33	9	13	0,635	GE1GGT35011AF10

GE1 ANSI/ASME B1.20.1 NPT

Fixing holes

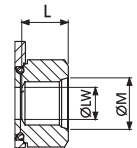
																					CARBON STEEL
TYPE	PN	DN	A	B	C	D	E	F	G	H	I	L	ØM	CH	ØR	S	T	SW	ØLW	KG	ITEM CODE
GE1 N 1/4	50 MPa	6	33	14,3	69	39,4	11,1	47,25	26	110	87	14,8	N 1/4	22	5,10	4,5	33	9	6	0,378	GE1NNT15011AF10
GE1 N 3/8	50 MPa	10	35	15	71	41,8	11,1	49,25	30	110	89	14,6	N 3/8	27	5,25	4,5	33	9	10	0,467	GE1NNT25011AF10
GE1 N 1/2	50 MPa	13	40	18,3	83	44,4	11,1	54,25	35	110	94	19,3	N 1/2	30	5,25	4,5	33	9	13	0,635	GE1NNT35011AF10



GE1 SAE J1926-1

Fixing holes

																					CARBON STEEL
TYPE	PN	DN	A	B	C	D	E	F	G	H	I	L	ØM	CH	ØR	S	T	SW	ØLW	KG	ITEM CODE
GE1 SAE4	50 MPa	6	33	14,3	69	39,4	11,1	47,25	26	110	87	14,8	7/16 UNF	22	5,10	4,5	33	9	6	0,378	GE1EEE05011AF10
GE1 SAE6	50 MPa	10	35	15	71	41,8	11,1	49,25	30	110	89	14,6	9/16 UNF	27	5,25	4,5	33	9	10	0,467	GE1EEE15011AF10
GE1 SAE8	50 MPa	13	40	18,3	83	44,4	11,1	54,25	35	110	94	19,3	3/4 UNF	30	5,25	4,5	33	9	13	0,635	GE1EEE25011AF10



GE2

2-WAY HIGH PRESSURE BALL VALVES

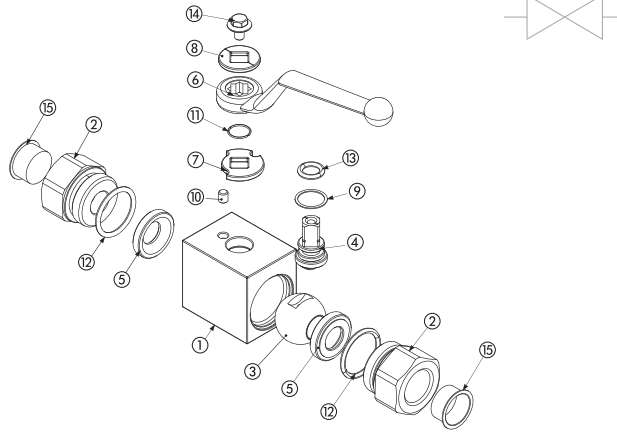
CARBON STEEL

- Type: ball valve GE 2 way
- Body: block
- Ball seats: from DN4 up to DN25
- Operating pressure: 500 Bar
depending on valve size and seal materials selected
- Temp range: -20°C to +100°C
depending on seal material selected

STAINLESS STEEL

- Type: ball valve GE 2 way
- Body: block
- Ball seats: from DN4 up to DN25
- Operating pressure: 500 Bar
depending on valve size and seal materials selected
- Temp range: -30°C to +100°C
depending on seal material selected





CARBON STEEL			
POS	DESCRIPTION	MATERIAL	Q.TY
1	Body	1,0737	1
2	Adapter	1,0737	2
3	Ball	1,0737	1
4	Stem	1,0737	1
5	Ball seat	POM	2
6	Handle	ZINC	1
7	Washer	1,0116	1
8	Washer	1,0116	1
9	Stem ring	POM	1
10	Spine	1,0737	1
11	Seeger	1,4301	1
12	Adapter o-ring	NBR	2
13	Stem o-ring	NBR	1
14	Screw	Din 6921 8.8	1
15	Caps	PVC	2

CARBON STEEL												
GE2		G½			DN13		1	1	1	1	A	B
TYPE AND WAY OF VALVE	GAS DIN/ ISO 228 BSP	NPT ANSI/ ASME B1.20.1	SAE J1926-1	DIN 2353 HEAVY SERIES	DIN 2353 LIGHT SERIES	NOMINAL DIMENSION	BODY MATERIAL	ADAPTER MATERIAL	STEM MATERIAL	BALL MATERIAL	BALL SEAT MATERIAL	ADAPTER AND STEM SEAL MATERIAL
GE2 2-way	G ½	N ½	SAE4	8S	6L	DN4	1 1,0737	1 1,0737	1 1,0737	1 1,0737	A POM	B NBR
	G ¼	N ¼	SAE6	10S	8L	DN6			4 1,4404*	4 1,4404*	D PEEK*	E FKM*
	G ¾	N ¾	SAE8	12S	10L	DN10					G PA612*	F EPDM*
	G ½	N ½	SAE12	14S	12L	DN13					K GEMPTFE*	L MVQ*
	G ¾	N ¾	SAE16	16S	15L	DN20					C PTFE*	
	G 1	N 1	SAE20R	20S	18L	DN25						
	G 1 ¼ R	N 1 ¼ R	SAE24R	25S	22L							
G 1 ½ R	N 1 ½ R		30S	28L								
			38S	35L								
				42L								

STAINLESS STEEL			
POS	DESCRIPTION	MATERIAL	Q.TY
1	Body	1,4404	1
2	Adapter	1,4404	2
3	Ball	1,4404	1
4	Stem	1,4404	1
5	Ball seat	POM	2
6	Handle	ZINC	1
7	Washer	1,4301	1
8	Washer	1,4301	1
9	Stem ring	POM	1
10	Spine	1,4301	1
11	Seeger	1,4301	1
12	Adapter o-ring	NBR	2
13	Stem o-ring	NBR	1
14	Screw	Din 6921 A2	1
15	Caps	PVC	2

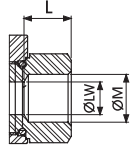
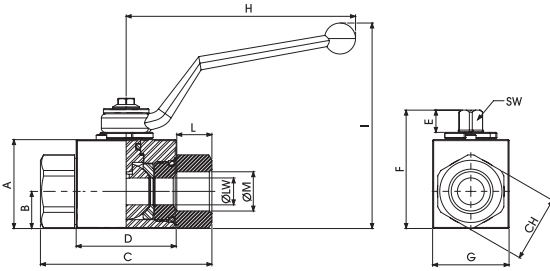
STAINLESS STEEL												
GE2		G½			DN13		4	4	4	4	A	B
TYPE AND WAY OF VALVE	GAS DIN/ ISO 228 BSP	NPT ANSI/ ASME B1.20.1	SAE J1926-1	DIN 2353 HEAVY SERIES	DIN 2353 LIGHT SERIES	NOMINAL DIMENSION	BODY MATERIAL	ADAPTER MATERIAL	STEM MATERIAL	BALL MATERIAL	BALL SEAT MATERIAL	ADAPTER AND STEM SEAL MATERIAL
GE2 2-way	G ½	N ½	SAE4	8S	6L	DN4	4 1,4404	4 1,4404	4 1,4404	4 1,4404	A POM	B NBR
	G ¼	N ¼	SAE6	10S	8L	DN6					D PEEK*	E FKM*
	G ¾	N ¾	SAE8	12S	10L	DN10					G PA612*	F EPDM*
	G ½	N ½	SAE12	14S	12L	DN13					K GEMPTFE*	L MVQ*
	G ¾	N ¾	SAE16	16S	15L	DN20					C PTFE*	
	G 1	N 1	SAE20R	20S	18L	DN25						
	G 1 ¼ R	N 1 ¼ R	SAE24R	25S	22L							
G 1 ½ R	N 1 ½ R		30S	28L								
			38S	35L								
				42L								

- *On request:
- Reduced bore
 - Special threads

- Pressure class up to PN50 MPa
- Pneumatic and electrical actuator

- Security block
- Locking device

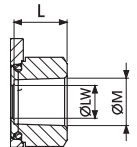
For further special requests please consult our technical/commercial service



GE2 DIN/ISO 228 BSP

Standard

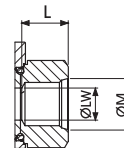
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																		ITEM CODE	ITEM CODE
GE2 G 1/8	50 MPa	4	35	14,5	71	42,4	11,1	49,25	30	110	87	14,3	G 1/8	24	9	4	0,549	GE2GGT05011A000	GE2GGT05044A000
GE2 G 1/4	50 MPa	6	35	14,5	71	42,4	11,1	49,25	30	110	87	14,3	G 1/4	24	9	6	0,497	GE2GGT15011A000	GE2GGT15044A000
GE2 G 3/8	50 MPa	10	40	17,4	73	44,4	11,1	54,25	35	110	93	14,3	G 3/8	30	9	10	0,652	GE2GGT25011A000	GE2GGT25044A000
GE2 G 1/2	50 MPa	13	43	17,95	83	48,4	11,1	57,25	37	110	97	17,3	G 1/2	32	9	13	0,77	GE2GGT35011A000	GE2GGT35044A000
GE2 G 3/4	42/40 MPa	20	57	25,4	95	62,5	14,35	75,5	49	180	105	16,25	G 3/4	41	14	20	1,46	GE2GGT44011A000	GE2GGT44044A000
GE2 G 1	42/35 MPa	25	65	29,5	112,4	66,5	14,35	83,5	55	180	113	22,95	G 1	50	14	25	2,23	GE2GGT53011A000	GE2GGT53044A000
GE2 G 1 1/4 R	35 MPa	25	65	29,5	120,4	66,5	14,35	83,5	55	180	113	26,95	G 1 1/4	55	14	25	2,299	GE2GGR63011A000	GE2GGR63044A000
GE2 G 1 1/2 R	35 MPa	25	65	29,5	124,4	66,5	14,35	83,5	55	180	113	28,95	G 1 1/2	60	14	25	2,413	GE2GGR73011A000	GE2GGR73044A000



GE2 ANSI/ASME B1.20.1 NPT

Standard

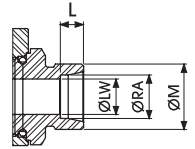
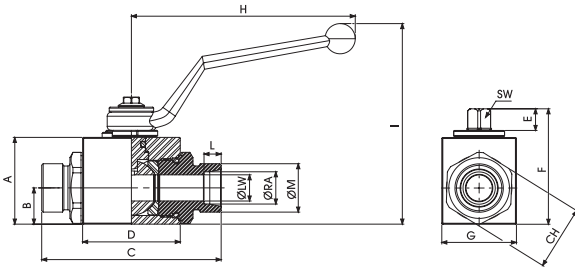
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																		ITEM CODE	ITEM CODE
GE2 N 1/8	50 MPa	4	35	14,5	71	42,4	11,1	49	30	110	87	14,3	N 1/8	24	9	4	0,512	GE2NNT05011A000	GE2NNT05044A000
GE2 N 1/4	50 MPa	6	35	14,5	71	42,4	11,1	49	30	110	87	14,3	N 1/4	24	9	6	0,5	GE2NNT15011A000	GE2NNT15044A000
GE2 N 3/8	50 MPa	10	40	17,4	73	44,4	11,1	54,25	35	110	93	14,3	N 3/8	30	9	10	0,655	GE2NNT25011A000	GE2NNT25044A000
GE2 N 1/2	50 MPa	13	43	17,95	83	48,4	11,1	57,25	37	110	97	17,3	N 1/2	32	9	13	0,771	GE2NNT35011A000	GE2NNT35044A000
GE2 N 3/4	42/40 MPa	20	57	25,4	95	62,5	14,35	75,5	49	180	105	16,25	N 3/4	41	14	20	1,478	GE2NNT44011A000	GE2NNT44044A000
GE2 N 1	42/35 MPa	25	65	29,5	112,4	66,5	14,35	83,5	55	180	113	22,95	N 1	50	14	25	2,279	GE2NNT53011A000	GE2NNT53044A000
GE2 N 1 1/4 R	35 MPa	25	65	29,5	120,4	66,5	14,35	83,5	55	180	113	26,95	N 1 1/4	55	14	25	2,351	GE2NNR63011A000	GE2NNR63044A000
GE2 N 1 1/2 R	35 MPa	25	65	29,5	124,4	66,5	14,35	83,5	55	180	113	28,95	N 1 1/2	60	14	25	2,482	GE2NNR73011A000	GE2NNR73044A000



GE2 SAE J1926-1

Standard

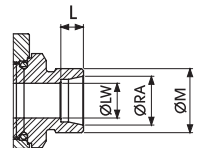
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																		ITEM CODE	ITEM CODE
GE2 SAE4	50 MPa	6	35	14,5	71	42,4	11,1	49	30	110	87	14,3	$7/16$ UNF	24	9	6	0,512	GE2EEE05011A000	GE2EEE05044A000
GE2 SAE6	50 MPa	10	40	17,4	73	44,4	11,1	54,25	35	110	93	14,3	$9/16$ UNF	30	9	10	0,5	GE2EEE15011A000	GE2EEE15044A000
GE2 SAE8	50 MPa	13	43	17,95	83	48,4	11,1	57,25	37	110	97	17,3	$3/4$ UNF	32	9	13	0,779	GE2EEE25011A000	GE2EEE25044A000
GE2 SAE12	42/40 MPa	20	57	25,4	95	62,5	14,35	75,5	49	180	105	16,25	$1 1/16$ UNF	41	14	20	1,441	GE2EEE34011A000	GE2EEE34044A000
GE2 SAE16	42/35 MPa	25	65	29,5	112,4	66,5	14,35	83,5	55	180	113	22,95	$1 5/16$ UNF	50	14	25	2,335	GE2EEE43011A000	GE2EEE43044A000
GE2 SAE20R	35 MPa	25	65	29,5	120,4	66,5	14,35	83,5	55	180	113	26,95	$1 5/8$ UNF	55	14	25	2,307	GE2EEE53011A000	GE2EEE53044A000
GE2 SAE24R	35 MPa	25	65	29,5	124,4	66,5	14,35	83,5	55	180	113	28,95	$1 7/8$ UNF	60	14	25	2,399	GE2EEE63011A000	GE2EEE63044A000



GE2 DIN 2353 HEAVY SERIES

Standard

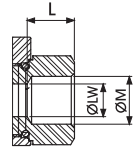
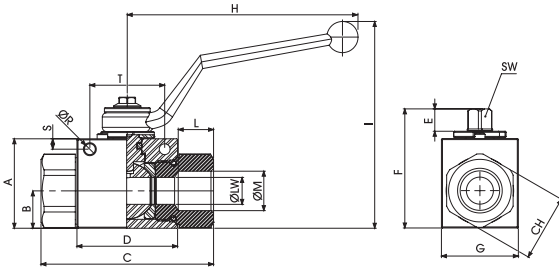
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																			ITEM CODE	ITEM CODE
GE2 8S	50 MPa	6	35	14,5	76	42,4	11,1	49,25	30	110	87	7	M16x1,5	24	9	4	8	0,501	GE2DDS05011A000	GE2DDS05044A000
GE2 10S	50 MPa	6	35	14,5	76	42,4	11,1	49,25	30	110	87	7,5	M18x1,5	24	9	6	10	0,501	GE2DDS15011A000	GE2DDS15044A000
GE2 12S	50 MPa	8	35	14,5	76	42,4	11	49,25	30	110	87	7,5	M20x1,5	24	9	8	12	0,501	GE2DDRS011A000	GE2DDRS044A000
GE2 12S	50 MPa	10	40	17,4	76	44,4	11	54,25	35	110	93	7,5	M20x1,5	30	9	10	12	0,599	GE2DDS25011A000	GE2DDS25044A000
GE2 14S	50 MPa	10	40	17,4	82,5	44,4	11	54,25	35	110	96,5	8	M22x1,5	30	9	10	14	0,629	GE2DDS35011A000	GE2DDS35044A000
GE2 16S	50 MPa	13	43	18	89	48,4	11	57	37	110	99,5	8,5	M24x1,5	32	9	13	16	0,67	GE2DDS45011A000	GE2DDS45044A000
GE2 20S	50 MPa	13	43	18	93	48,4	11	57	37	110	99,5	10,5	M30x2	32	9	13	20	0,786	GE2DDS55011A000	GE2DDS55044A000
GE2 25S	40 MPa	20	57	23,4	111	62,5	14	73,5	49	180	106,5	12	M36x2	41	14	20	25	1,485	GE2DGS64011A000	GE2DGS64044A000
GE2 30S	35 MPa	25	65	29,5	121	66,5	14	83,5	55	180	116,5	13	M42x2	50	14	25	30	2,145	GE2DGS73011A000	GE2DGS73044A000
GE2 38S	35 MPa	25	65	29,5	131	66,5	14	83,5	55	180	116,5	16	M52x2	55	14	25	38	2,373	GE2DGS83011A000	GE2DGS83044A000



GE2 DIN 2353 LIGHT SERIES

Standard

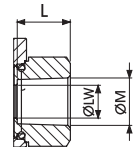
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																			ITEM CODE	ITEM CODE
GE2 6L	50 MPa	6	35	14,5	76	42,4	11	49	30	110	91,5	7	M12x1,5	24	9	6	6	0,475	GE2DDL05011A000	GE2DDL05044A000
GE2 8L	50 MPa	6	35	14,5	76	42,4	11	49	30	110	91,5	7	M14x1,5	24	9	6	8	0,477	GE2DDL15011A000	GE2DDL15044A000
GE2 10L	50 MPa	6	35	14,5	76	42,4	11	49	30	110	91,5	7	M16x1,5	24	9	6	10	0,475	GE2DRL5011A000	GE2DRL5044A000
GE2 10L	50 MPa	10	40	17,4	76,5	44,4	11	54,25	35	110	96,5	7	M16x1,5	30	9	8	10	0,597	GE2DDL25011A000	GE2DDL25044A000
GE2 12L	50 MPa	10	40	17,4	79,5	44,4	11	54,25	35	110	96,5	7	M18x1,5	30	9	10	12	0,616	GE2DDL35011A000	GE2DDL35044A000
GE2 15L	50 MPa	13	43	18	87	48,4	11	57	37	110	99,5	7	M22x1,5	32	9	13	15	0,731	GE2DDL45011A000	GE2DDL45044A000
GE2 18L	50 MPa	13	43	18	87	48,4	11	57	37	110	99,5	7,5	M26x1,5	32	9	13	18	0,748	GE2DDL55011A000	GE2DDL55044A000
GE2 22L	40 MPa	20	57	23,4	110	62,5	14	73,5	49	180	106,5	7,5	M30x2	41	14	20	22	1,463	GE2DDL64011A000	GE2DDL64044A000
GE2 28L	35 MPa	25	65	29,5	117	66,5	14	83,5	55	180	116,5	7,5	M36x2	50	14	25	28	2,131	GE2DDL73011A000	GE2DDL73044A000
GE2 35L	35 MPa	25	65	29,5	119	66,5	14	83,5	55	180	116,5	10,5	M45x2	50	14	25	35	2,163	GE2DDL83011A000	GE2DDL83044A000
GE2 42L	35 MPa	25	65	29,5	119	66,5	14	83,5	55	180	116,5	11	M52x2	55	14	25	42	2,256	GE2DDL93011A000	GE2DDL93044A000



GE2 DIN/ISO 228 BSP

Fixing holes

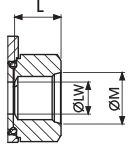
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																					ITEM CODE	ITEM CODE
GE2 G 1/8	50 MPa	4	35	14,5	71	42,4	11	49	30	110	91,5	11	G 1/8	24	5,25	4,5	34	9	4	0,505	GE2GGT05011AF10	GE2GGT05044AF10
GE2 G 1/4	50 MPa	6	35	14,5	71	42,4	11	49	30	110	91,5	15,5	G 1/4	24	5,25	4,5	34	9	6	0,49	GE2GGT15011AF10	GE2GGT15044AF10
GE2 G 3/8	50 MPa	10	40	17,4	73	44,4	11	54,25	35	110	96,5	15,5	G 3/8	30	5,25	4,5	34	9	10	0,644	GE2GGT25011AF10	GE2GGT25044AF10
GE2 G 1/2	50 MPa	13	43	18	83	48,4	11	57	37	110	99,5	17	G 1/2	32	5,25	5	36	9	13	0,757	GE2GGT35011AF10	GE2GGT35044AF10
GE2 G 3/4	42/40 MPa	20	57	23,4	95	62,5	14	73,5	49	180	106,5	21	G 3/4	41	6,25	6	50	14	20	1,438	GE2GGT44011AF10	GE2GGT44044AF10
GE2 G 1	42/35 MPa	25	65	29,5	112	66,5	14	83,5	55	180	116,5	24	G 1	50	6,25	6	50	14	25	2,223	GE2GGT53011AF10	GE2GGT53044AF10
GE2 G 1 1/4 R	35 MPa	25	65	29,5	120	66,5	14	83,5	55	180	116,5	24	G 1 1/4	55	6,25	6	50	14	25	2,273	GE2GGR63011AF10	GE2GGR63044AF10
GE2 G 1 1/2 R	35 MPa	25	65	29,5	124	66,5	14	83,5	55	180	116,5	24	G 1 1/2	60	6,25	6	50	14	25	2,386	GE2GGR73011AF10	GE2GGR73044AF10



GE2 ANSI/ASME B1.20.1 NPT

Fixing holes

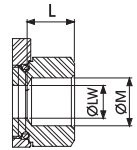
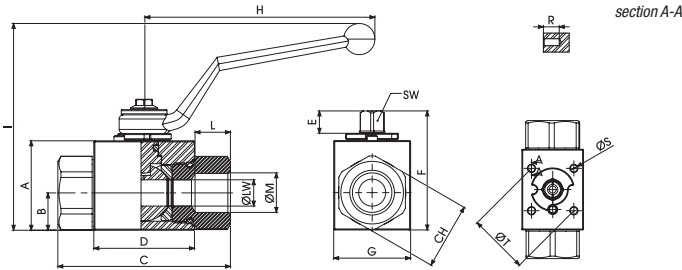
TYPE	PN	DN	A	B	C	D	E	F	G	H	I	L	ØM	CH	ØR	S	T	SW	ØLW	KG	CARBON STEEL	STAINLESS STEEL
																					ITEM CODE	ITEM CODE
GE2 N 1/8	50 MPa	4	35	14,5	71	42,4	11	49	30	110	91,5	11	N 1/8	24	5,25	4,5	34	9	4	0,505	GE2NNT05011AF10	GE2NNT05044AF10
GE2 N 1/4	50 MPa	6	35	14,5	71	42,4	11	49	30	110	91,5	17	N 1/4	24	5,25	4,5	34	9	6	0,49	GE2NNT15011AF10	GE2NNT15044AF10
GE2 N 3/8	50 MPa	10	40	17,4	73	44,4	11	54,25	35	110	96,5	17	N 3/8	30	5,25	4,5	34	9	10	0,644	GE2NNT25011AF10	GE2NNT25044AF10
GE2 N 1/2	50 MPa	13	43	18	83	48,4	11	57	37	110	99,5	21	N 1/2	32	5,25	5	36	9	13	0,757	GE2NNT35011AF10	GE2NNT35044AF10
GE2 N 3/4	42/40 MPa	20	57	23,4	95	62,5	14	73,5	49	180	106,5	21	N 3/4	41	6,25	6	50	14	20	1,438	GE2NNT44011AF10	GE2NNT44044AF10
GE2 N 1	42/35 MPa	25	65	29,5	112	66,5	14	83,5	55	180	116,5	24	N 1	50	6,25	6	50	14	25	2,223	GE2NNT53011AF10	GE2NNT53044AF10
GE2 N 1 1/4 R	35 MPa	25	65	29,5	120	66,5	14	83,5	55	180	116,5	24	N 1 1/4	55	6,25	6	50	14	25	2,273	GE2NNR63011AF10	GE2NNR63044AF10
GE2 N 1 1/2 R	35 MPa	25	65	29,5	124	66,5	14	83,5	55	180	116,5	24	N 1 1/2	60	6,25	6	50	14	25	2,386	GE2NNR73011AF10	GE2NNR73044AF10



GE2 SAE J1926-1

Fixing holes

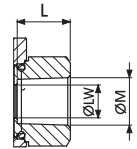
																			CARBON STEEL		
TYPE	PN	DN	A	B	C	D	E	F	G	H	I	L	ØM	CH	ØR	S	T	SW	ØLW	KG	ITEM CODE
GE2 SAE4	50 MPa	6	35	14,5	71	42,4	11,1	49	30	110	87	14,3	$\frac{7}{16}$ UNF	24	5,25	4,5	34	9	6	0,512	GE2EEE05011AF10
GE2 SAE6	50 MPa	10	40	17,5	73	44,8	11,1	54,25	35	110	93	14,3	$\frac{9}{16}$ UNF	30	5,25	4,5	34	9	10	0,5	GE1EEE15011AF10
GE2 SAE8	50 MPa	13	43	17,95	83	48,4	11,1	57,25	37	110	97	17,3	$\frac{3}{4}$ UNF	32	5,25	5	Ø	9	13	0,779	GE1EEE25011AF10
GE2 SAE12	42/40 MPa	20	57	25,4	95	62,5	14,35	75,5	49	180	105	16,25	$1\frac{1}{16}$ UNF	41	6,25	6	50	14	20	1,441	GE2EEE34011AF10
GE2 SAE16	42/35 MPa	25	65	29,5	112,4	66,5	14,35	83,5	55	180	113	22,95	$1\frac{5}{16}$ UNF	50	6,25	6	50	14	25	2,335	GE2EEE43011AF10
GE2 SAE20R	35 MPa	25	65	29,5	120,4	66,5	14,35	83,5	55	180	113	26,95	$1\frac{5}{8}$ UNF	55	6,25	6	50	14	25	2,307	GE2EEE53011AF10
GE2 SA24R	35 MPa	25	65	29,5	124,4	66,5	14,35	83,5	55	180	113	28,95	$1\frac{7}{8}$ UNF	60	6,25	6	50	14	25	2,399	GE2EEE63011AF10



GE2 DIN/ISO 228 BSP

Fixing holes DIN/ISO5211

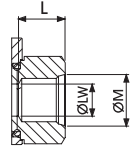
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																						ITEM CODE	ITEM CODE
GE2 G 1/8	50 MPa	4	35	14,5	71	42,4	11	49	30	110	91,5	11	G 1/8	24	9	M4	35	F03	9	4	0,505	GE2GGT05011AF50	GE2GGT05044AF50
GE2 G 1/4	50 MPa	6	35	14,5	71	42,4	11	49	30	110	91,5	15,5	G 1/4	24	9	M4	35	F03	9	6	0,49	GE2GGT15011AF50	GE2GGT15044AF50
GE2 G 3/8	50 MPa	10	40	17,4	73	44,4	11	54,25	35	110	96,5	15,5	G 3/8	30	9	M5	36	F03	9	10	0,644	GE2GGT25011AF50	GE2GGT25044AF50
GE2 G 1/2	50 MPa	13	43	18	83	48,4	11	57	37	110	99,5	17	G 1/2	32	9	M5	36	F03	9	13	0,757	GE2GGT35011AF50	GE2GGT35044AF50
GE2 G 3/4	42/40 MPa	20	57	23,4	95	62,5	14	73,5	49	180	106,5	21	G 3/4	41	15	M6	50	F05	14	20	1,438	GE2GGT44011AF50	GE2GGT44044AF50
GE2 G 1	42/35 MPa	25	65	29,5	112	66,5	14	83,5	55	180	116,5	24	G 1	50	15	M6	50	F05	14	25	2,223	GE2GGT53011AF50	GE2GGT53044AF50
GE2 G 1 1/4 R	35 MPa	25	65	29,5	120	66,5	14	83,5	55	180	116,5	24	G 1 1/4	55	15	M6	50	F05	14	25	2,273	GE2GGR63011AF50	GE2GGR63044AF50
GE2 G 1 1/2 R	35 MPa	25	65	29,5	124	66,5	14	83,5	55	180	116,5	24	G 1 1/2	60	15	M6	50	F05	14	25	2,386	GE2GGR73011AF50	GE2GGR73044AF50



GE2 ANSI/ASME B1.20.1 NPT

Fixing holes DIN/ISO5211

TYPE	PN	DN	A	B	C	D	E	F	G	H	I	L	ØM	CH	R	ØS	ØT	ISO5211	SW	LW	KG	CARBON STEEL	STAINLESS STEEL
																						ITEM CODE	ITEM CODE
GE2 N 1/8	50 MPa	4	35	14,5	71	42,4	11	49	30	110	91,5	11	N 1/8	24	9	M4	35	F03	9	4	0,505	GE2NNT05011AF50	GE2NNT05044AF50
GE2 N 1/4	50 MPa	6	35	14,5	71	42,4	11	49	30	110	91,5	17	N 1/4	24	9	M4	35	F03	9	6	0,49	GE2NNT15011AF50	GE2NNT15044AF50
GE2 N 3/8	50 MPa	10	40	17,4	73	44,4	11	54,25	35	110	96,5	17	N 3/8	30	9	M5	36	F03	9	10	0,644	GE2NNT25011AF50	GE2NNT25044AF50
GE2 N 1/2	50 MPa	13	43	18	83	48,4	11	57	37	110	99,5	21	N 1/2	32	9	M5	36	F03	9	13	0,757	GE2NNT35011AF50	GE2NNT35044AF50
GE2 N 3/4	42/40 MPa	20	57	23,4	95	62,5	14	73,5	49	180	106,5	21	N 3/4	41	15	M6	50	F05	14	20	1,438	GE2NNT44011AF50	GE2NNT44044AF50
GE2 N 1	42/35 MPa	25	65	29,5	112	66,5	14	83,5	55	180	116,5	24	N 1	50	15	M6	50	F05	14	25	2,223	GE2NNT53011AF50	GE2NNT53044AF50
GE2 N 1 1/4 R	35 MPa	25	65	29,5	120	66,5	14	83,5	55	180	116,5	24	N 1 1/4	55	15	M6	50	F05	14	25	2,273	GE2NNR63011AF50	GE2NNR63044AF50
GE2 N 1 1/2 R	35 MPa	25	65	29,5	124	66,5	14	83,5	55	180	116,5	24	N 1 1/2	60	15	M6	50	F05	14	25	2,386	GE2NNR73011AF50	GE2NNR73044AF50



GE2 SAE J1926-1

Fixing holes DIN/ISO5211

CARBON STEEL

TYPE	PN	DN	A	B	C	D	E	F	G	H	I	L	ØM	CH	R	ØS	T	SW	ØLW	KG	ITEM CODE
GE2 SAE4	50 MPa	6	35	14,5	71	42,4	11,1	49	30	110	87	14,3	$7/16$ UNF	24	9	M4	35	9	6	0,512	GE2EEE05011AF50
GE2 SAE6	50 MPa	10	40	17,5	73	44,8	11,1	54,25	35	110	93	14,3	$9/16$ UNF	30	9	M4	35	9	10	0,5	GE1EEE15011AF50
GE2 SAE8	50 MPa	13	43	17,95	83	48,4	11,1	57,25	37	110	97	17,3	$3/4$ UNF	32	9	M5	36	9	13	0,779	GE1EEE25011AF50
GE2 SAE12	42/40 MPa	20	57	25,4	95	62,5	14,35	75,5	49	180	105	16,25	$1 1/16$ UNF	41	9	M5	36	9	10	1,441	GE2EEE34011AF50
GE2 SAE16	42/35 MPa	25	65	29,5	112,4	66,5	14,35	83,5	55	180	113	22,95	$1 5/16$ UNF	50	15	M6	50	9	13	2,335	GE2EEE43011AF50
GE2 SAE20R	35 MPa	25	65	29,5	120,4	66,5	14,35	83,5	55	180	113	26,95	$1 5/8$ UNF	55	15	M6	50	9	10	2,307	GE2EEE53011AF50
GE2 SA24R	35 MPa	25	65	29,5	124,4	66,5	14,35	83,5	55	180	113	28,95	$1 7/8$ UNF	60	15	M6	50	9	13	2,399	GE2EEE63011AF50

1.000.000
OPEN AND CLOSE

GE2 HC

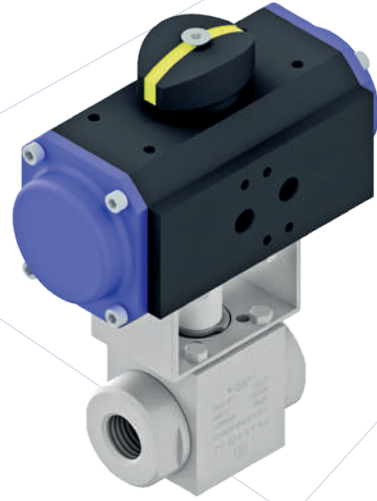
2-WAY HIGH PRESSURE BALL VALVES

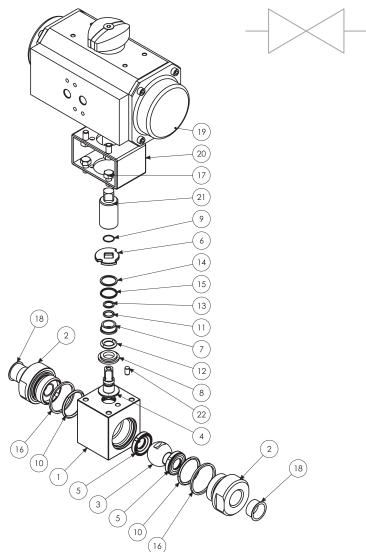
CARBON STEEL

- Type: ball valve GE 2 HC way
- Body: block
- Ball seats: from DN10 up to DN32
- Operating pressure: 500 Bar
depending on valve size and seal materials selected
- Temp range: -20°C to +100°C
depending on seal material selected

STAINLESS STEEL

- Type: ball valve GE 2 HC way
- Body: block
- Ball seats: from DN10 up to DN32
- Operating pressure: 500 Bar
depending on valve size and seal materials selected
- Temp range: -30°C to +100°C
depending on seal material selected





**STANDARD DESIGN:
BARE STEM WITH
ACTUATOR HOLES**

CARBON STEEL				
POS	DESCRIPTION	MATERIAL	Q.TY DN10-13	Q.TY DN20-25-32
1	Body	1,0737	1	1
2	Adapter	1,0460	2	2
3	Ball	1,4404	1	1
4	Stem	1,4542	1	1
5	Ball seat	POM	2	2
6	Washer	1,0116	1	1
7	Upper Bushing	POM - A1000	1	1
8	Lower Bushing	POM - A1000	1	1
9	Seeger	1,4301	1	1
10	Adapter o-ring	NBR	2	2
11	Stem o-ring	NBR	1	1
12	Stem o-ring	NBR	1	1
13	Stem Back-up	PTFE	1	1
14	Stem Back-up	PTFE	1	1
15	Stem quad-ring	NBR	1	1
16	Closure gasket	GRAPHITE	2	2
17	Screws	ISO 4017 8.8	8	8
18	Caps	PVC	2	2
19	Actuator	N/A	1	1
20	Connector	1,0737	1	1
21	Joint	1,0737	1	1
22	Pin	1,0737	1	1

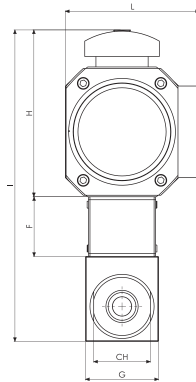
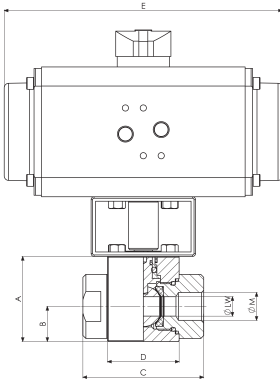
CARBON STEEL										
GE2 HC	G½	DN13	1	2	M	4	A	B		
TYPE AND WAY OF VALVE	GAS DIN/ ISO 228 BSP	NPT ANSI/ ASME B1.20.1	SAE J1926-1	NOMINAL DIMENSION	BODY MATERIAL	ADAPTER MATERIAL	STEM MATERIAL	BALL MATERIAL	BALL SEAT MATERIAL	ADAPTER AND STEM SEAL MATERIAL
GE2 HC	G ¾	N ¾	SAE6	DN10	1 1,0737	2 1,046	M 1,4542	4 1,4404	A POM	B NBR
2-way	G ½	N ½	SAE8	DN13					D PEEK*	E FKM*
	G ¾	N ¾	SAE12	DN20					G PA612*	F EPDM*
	G 1	N 1	SAE16	DN25					K GEMPTFE*	L MVQ*
	G 1 ¼	N 1 ¼	SAE20	DN32					C PTFE*	

STAINLESS STEEL				
POS	DESCRIPTION	MATERIAL	Q.TY DN10-13	Q.TY DN20-25-32
1	Body	1,4404	1	1
2	Adapter	1,4404	2	2
3	Ball	1,4404	1	1
4	Stem	1,4542	1	1
5	Ball seat	POM	2	2
6	Washer	1,0116	1	1
7	Upper Bushing	POM - A1000	1	1
8	Lower Bushing	POM - A1000	1	1
9	Seeger	1,4301	1	1
10	Adapter o-ring	NBR	2	2
11	Stem o-ring	NBR	1	1
12	Stem o-ring	NBR	1	1
13	Stem Back-up	PTFE	1	1
14	Stem Back-up	PTFE	1	1
15	Stem quad-ring	NBR	1	1
16	Closure gasket	GRAPHITE	2	2
17	Screws	ISO 4017 8.8	8	8
18	Caps	PVC	2	2
19	Actuator	N/A	1	1
20	Connector	1,0737	1	1
21	Joint	1,0737	1	1
22	Pin	1,4404	1	1

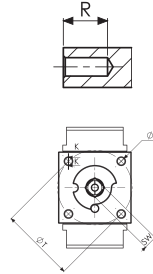
STAINLESS STEEL										
GE2 HC	G½	DN13	4	4	M	4	A	B		
TYPE AND WAY OF VALVE	GAS DIN/ ISO 228 BSP	NPT ANSI/ ASME B1.20.1	SAE J1926-1	NOMINAL DIMENSION	BODY MATERIAL	ADAPTER MATERIAL	STEM MATERIAL	BALL MATERIAL	BALL SEAT MATERIAL	ADAPTER AND STEM SEAL MATERIAL
GE2 HC	G ¾	N ¾	SAE6	DN10	4 1,4404	4 1,4404	M 1,4542	4 1,4404	A POM	B NBR
2-way	G ½	N ½	SAE8	DN13					D PEEK*	E FKM*
	G ¾	N ¾	SAE12	DN20					G PA612*	F EPDM*
	G 1	N 1	SAE16	DN25					K GEMPTFE*	L MVQ*
	G 1 ¼	N 1 ¼	SAE20	DN32					C PTFE*	

*On request: • Pneumatic and electrical actuator

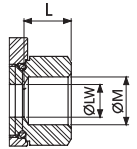
For further special requests please consult our technical/commercial service



section A-A



**STANDARD DESIGN:
BARE STEM WITH
ACTUATOR HOLES**



GE2 HC DIN/ISO 228 BSP

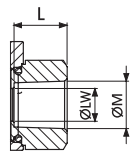
Standard

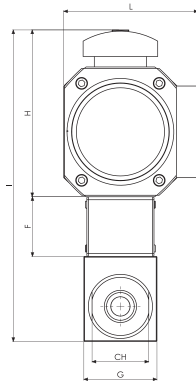
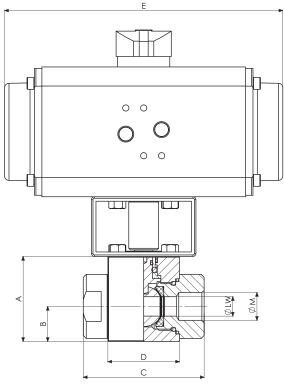
TYPE	PN	DN	A	B	C	D	E	F	G	H	I	L	ØM	CH	ØR	S	T	SW	ØLW	KG	CARBON STEEL	STAINLESS STEEL
																					ITEM CODE	ITEM CODE
GE2 G 1/4	50 MPa	6	57	24,5	73	44	187	40	49	112	209	90	G 1/4	32	9	M6	50	9	10	1,113	G590202A1301TAA	G590202A2P01TAA
GE2 G 3/8	50 MPa	10	57	24,5	73	44	187	40	49	112	209	90	G 3/8	32	9	M6	50	9	10	1,0610	G590203A1301TAA	G590203A2P01TAA
GE2 G 1/2	50 MPa	13	57	23,5	81	48	187	40	49	112	209	90	G 1/2	38	9	M6	50	9	13	1,187	G590204A1301TAA	G590204A2P01TAA
GE2 G 3/4	40 MPa	20	65	27	98	62	206	40	55	143	248	113	G 3/4	48	9	M6	50	14	20	1,9350	G590205A1301RAA	G590205A2P01RAA
GE2 G 1	35 MPa	25	75	33,5	106	66	206	40	65	143	258	113	G 1	50	9	M6	50	14	25	2,787	G590206A1301PAA	G590206A2P01PAA
GE2 G 1 1/4 R	35 MPa	25	75	33,5	127	66	206	40	65	143	258	113	G 1/4	50	9	M6	50	14	25	4,768	G590207R1301PAA	G590207R2P01PAA
GE2 G 1 1/4	35 MPa	32	87	40,75	127	83	218	40	80	165	292	136,70	G 1/4	55	12	M8	70	14	32	4,933	G590207A1301PAA	G590207A2P01PAA

GE2 HC ANSI/ASME B1.20.1 NPT

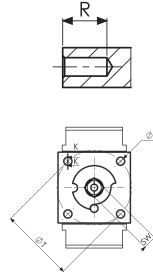
Standard

TYPE	PN	DN	A	B	C	D	E	F	G	H	I	L	ØM	CH	ØR	S	T	SW	ØLW	KG	CARBON STEEL	STAINLESS STEEL
																					ITEM CODE	ITEM CODE
GE2 N 1/4	50 MPa	6	57	24,5	73	44	187	40	49	112	209	90	N 1/4	32	9	M6	50	9	10	1,113	G590902A1301TAA	G590902A2P01TAA
GE2 N 3/8	50 MPa	10	57	24,5	73	44	187	40	49	112	209	90	N 3/8	32	9	M6	50	9	10	1,2100	G590903A1301TAA	G590903A2P01TAA
GE2 N 1/2	50 MPa	13	57	23,5	81	48	187	40	49	112	209	90	N 1/2	38	9	M6	50	9	13	1,184	G590904A1301TAA	G590904A2P01TAA
GE2 N 3/4	40 MPa	20	65	27	98	62	206	40	55	143	248	113	N 3/4	48	9	M6	50	14	20	2,04	G590905A1301RAA	G590905A2P01RAA
GE2 N 1	35 MPa	25	75	33,5	106	66	206	40	65	143	258	113	N 1	50	9	M6	50	14	25	3,08	G590906A1301PAA	G590906A2P01PAA
GE2 N 1 1/4 R	35 MPa	25	75	33,5	127	66	206	40	65	143	258	113	N 1/4	50	9	M6	50	14	25	3,08	G590907R1301PAA	G590907R2P01PAA
GE2 N 1 1/4	35 MPa	32	87	40,75	127	83	218	40	80	165	292	136,70	N 1/4	55	12	M8	70	14	32	4,933	G590907A1301PAA	G590907A2P01PAA

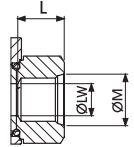




section A-A



**STANDARD DESIGN:
BARE STEM WITH
ACTUATOR HOLES**



GE2 HC SAE J1926-1

Standard

TYPE	PN	DN	A	B	C	D	E	F	G	H	I	L	ØM	ØTM	ØS	R	CH	SW	ØLW	KG	CARBON STEEL	STAINLESS STEEL
																					ITEM CODE	ITEM CODE
GE2 SAE4	50 Mpa	6	57	24,5	73	44	187	40	49	112	209	90	$7/16$ UNF	50	M6	9	32	9	10	1,113	G590B02A1301TAA	G590B02A2P01TAA
GE2 SAE6	50 Mpa	10	57	24,5	73	44	187	40	49	112	209	90	$9/16$ UNF	50	M6	9	32	9	10	1,2100	G590B03A1301TAA	G590B03A2P01TAA
GE2 SAE8	50 Mpa	13	57	23,5	81	48	187	40	49	112	209	90	$3/4$ UNF	50	M6	9	38	9	13	1,187	G590B04A1301TAA	G590B04A2P01TAA
GE2 SAE12	40 MPa	20	65	27	98	62	206	40	55	143	248	113	$1 1/16$ UNF	50	M6	9	48	14	20	1,9350	G590B05A1301RAA	G590B05A2P01RAA
GE2 SAE16	35 Mpa	25	75	33,5	106	66	206	40	65	143	258	113	$1 5/16$ UNF	50	M6	9	50	14	25	2,787	G590B06A1301PAA	G590B06A2P01PAA
GE2 SAE20R	35 Mpa	25	75	33,5	127	66	206	40	65	143	258	113	$1 5/8$ UNF	50	M6	9	50	14	25	4,768	G590B07R1301PAA	G590B07R2P01PAA
GE2 SAE20	35 Mpa	32	87	40,75	127	83	218	40	80	165	292	136,7	$1 5/8$ UNF	70	M8	12	55	14	32	4,934	G590B07A1301PAA	G590B07A2P01PAA

GE3

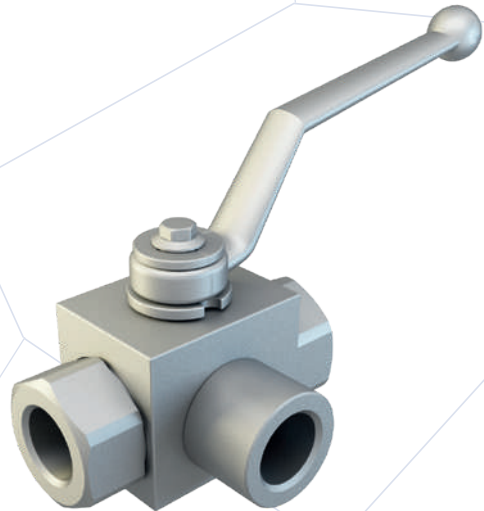
3-WAY HIGH PRESSURE BALL VALVES

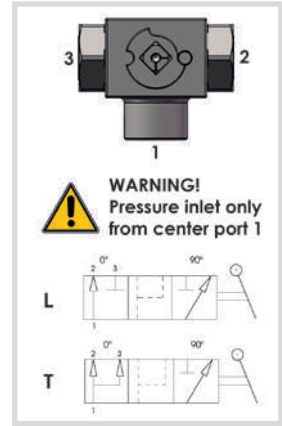
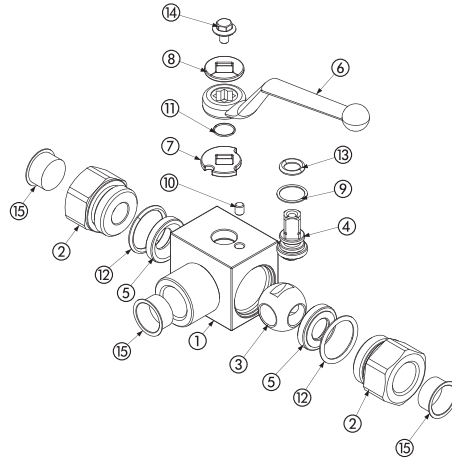
CARBON STEEL

- Type: ball valve GE 3 way
- Body: block
- Ball seats: from DN4 up to DN25
- Operating pressure: 500 Bar
depending on valve size and seal materials selected
- Temp range: -20°C to +100°C
depending on seal material selected

STAINLESS STEEL

- Type: ball valve GE 3 way
- Body: block
- Ball seats: from DN4 up to DN25
- Operating pressure: 500 Bar
depending on valve size and seal materials selected
- Temp range: -30°C to +100°C
depending on seal material selected





CARBON STEEL			
POS	DESCRIPTION	MATERIAL	Q.TY
1	Body	1,0737	1
2	Adapter	1,0737	2
3	Ball	1,0737	1
4	Stem	1,0737	1
5	Ball seat	POM	2
6	Handle	ZINC	1
7	Washer	1,0116	1
8	Washer	1,0116	1
9	Stem ring	POM	1
10	Spine	1,0737	1
11	Seeger	1,4301	1
12	Adapter o-ring	NBR	2
13	Stem o-ring	NBR	1
14	Screw	Din 6921 8.8	1
15	Caps	PVC	3

CARBON STEEL													
GE3		G½			DN13		1	1	1	1	A	B	
TYPE AND WAY OF VALVE	GAS DIN/ ISO 228 BSP	NPT ANSI/ ASME B1.20.1	SAE J1926-1	DIN 2353 HEAVY SERIES	DIN 2353 LIGHT SERIES	NOMINAL DIMENSION	BODY MATERIAL	ADAPTER MATERIAL	STEM MATERIAL	BALL MATERIAL	BALL SEAT MATERIAL	ADAPTER AND STEM SEAL MATERIAL	
GE3 3-way	G ½	N ½	SAE4	8S	6L	DN4	1 1,0737	1 1,0737	1 1,0737	1 1,0737	A POM	B NBR	
	G ¼	N ¼	SAE6	10S	8L	DN6			4 1,4404*	4 1,4404*	D PEEK*	E FKM*	
	G ¾	N ¾	SAE8	12S	10L	DN10					G PA612*	F EPDM*	
	G ½	N ½	SAE12	14S	12L	DN13					K GEMPTFE*	L MVQ*	
	G ¾	N ¾	SAE16	16S	15L	DN20					C PTFE*		
	G 1	N 1	SAE20R	20S	18L	DN25							
	G 1 ¼ R	N 1 ¼ R	SAE24R	25S	22L								
G 1 ½ R	N 1 ½ R		30S	28L									
			38S	35L	42L								

STAINLESS STEEL			
POS	DESCRIPTION	MATERIAL	Q.TY
1	Body	1,4404	1
2	Adapter	1,4404	2
3	Ball	1,4404	1
4	Stem	1,4404	1
5	Ball seat	POM	2
6	Handle	ZINC	1
7	Washer	1,4301	1
8	Washer	1,4301	1
9	Stem ring	POM	1
10	Spine	1,4301	1
11	Seeger	1,4301	1
12	Adapter o-ring	NBR	2
13	Stem o-ring	NBR	1
14	Screw	Din 6921 A2	1
15	Caps	PVC	3

STAINLESS STEEL													
GE3		G½			DN13		4	4	4	4	A	B	
TYPE AND WAY OF VALVE	GAS DIN/ ISO 228 BSP	NPT ANSI/ ASME B1.20.1	SAE J1926-1	DIN 2353 HEAVY SERIES	DIN 2353 LIGHT SERIES	NOMINAL DIMENSION	BODY MATERIAL	ADAPTER MATERIAL	STEM MATERIAL	BALL MATERIAL	BALL SEAT MATERIAL	ADAPTER AND STEM SEAL MATERIAL	
GE3 3-way	G ½	N ½	SAE4	8S	6L	DN4	4 1,4404	4 1,4404	4 1,4404	4 1,4404	A POM	B NBR	
	G ¼	N ¼	SAE6	10S	8L	DN6					D PEEK*	E FKM*	
	G ¾	N ¾	SAE8	12S	10L	DN10					G PA612*	F EPDM*	
	G ½	N ½	SAE12	14S	12L	DN13					K GEMPTFE*	L MVQ*	
	G ¾	N ¾	SAE16	16S	15L	DN20					C PTFE*		
	G 1	N 1	SAE20R	20S	18L	DN25							
	G 1 ¼ R	N 1 ¼ R	SAE24R	25S	22L								
G 1 ½ R	N 1 ½ R		30S	28L									
			38S	35L	42L								

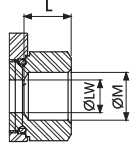
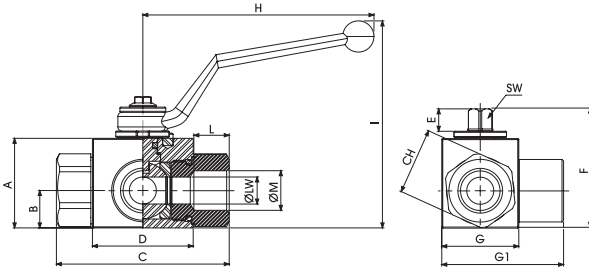
*On request:

- Reduced bore
- Special threads

- Pressure class up to PN40 MPa
- Pneumatic and electrical actuator

- Security block
- Locking device

For further special requests please consult our technical/commercial service



GE3 DIN/ISO 228 BSP

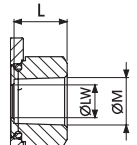
Standard

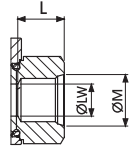
																	CARBON STEEL	STAINLESS STEEL		
TYPE	PN	DN	A	B	C	D	E	F	G	G1	H	I	L	ØM	CH	SW	ØLW	KG	ITEM CODE	ITEM CODE
GE3 G 1/8	50 MPa	4	35	14,5	71	42,4	11	49	30	48,5	110	91,5	11	G 1/8	24	9	4	0,558	GE3GGT04011A000	GE3GGT04044A000
GE3 G 1/4	50 MPa	6	35	14,5	71	42,4	11	49	30	48,5	110	91,5	15,5	G 1/4	24	9	6	0,536	GE3GGT14011A000	GE3GGT14044A000
GE3 G 3/8	50 MPa	10	40	17,4	73	44,4	11	54,25	35	54,5	110	96,5	15,5	G 3/8	30	9	10	0,695	GE3GGT24011A000	GE3GGT24044A000
GE3 G 1/2	50 MPa	13	43	18	83	48,4	11	57	37	58,5	110	99,5	17	G 1/2	32	9	13	0,825	GE3GGT33011A000	GE3GGT33044A000
GE3 G 3/4	42/40 MPa	20	57	23,4	95	62,5	14	73,5	49	75	180	106,5	21	G 3/4	41	14	20	1,583	GE3GGT44011A000	GE3GGT43044A000
GE3 G 1	42/35 MPa	25	65	29,5	112	66,5	14	83,5	55	89	180	116,5	24	G 1	50	14	25	2,421	GE3GGT53011A000	GE3GGT53044A000
GE3 G 1 1/4 R	35 MPa	25	65	29,5	120	66,5	14	83,5	55	89	180	116,5	24	G 1 1/4	55	14	25	2,601	GE3GGR63011A000	GE3GGR63044A000
GE3 G 1 1/2 R	35 MPa	25	65	29,5	124	66,5	14	83,5	55	89	180	116,5	24	G 1 1/2	60	14	25	2,756	GE3GGR73011A000	GE3GGR73044A000

GE3 ANSI/ASME B1.20.1 NPT

Standard

																	CARBON STEEL	STAINLESS STEEL		
TYPE	PN	DN	A	B	C	D	E	F	G	G1	H	I	L	ØM	CH	SW	ØLW	KG	ITEM CODE	ITEM CODE
GE3 N 1/8	50 MPa	4	35	14,5	71	42,4	11	49	30	48,5	110	91,5	11	N 1/8	24	9	4	0,558	GE3NNT04011A000	GE3NNT04044A000
GE3 N 1/4	50 MPa	6	35	14,5	71	42,4	11	49	30	48,5	110	91,5	17	N 1/4	24	9	6	0,536	GE3NNT14011A000	GE3NNT14044A000
GE3 N 3/8	50 MPa	10	40	17,4	73	44,4	11	54,25	35	54,5	110	96,5	17	N 3/8	30	9	10	0,695	GE3NNT24011A000	GE3NNT24044A000
GE3 N 1/2	50 MPa	13	43	18	83	48,4	11	57	37	58,5	110	99,5	21	N 1/2	32	9	13	0,825	GE3NNT33011A000	GE3NNT33044A000
GE3 N 3/4	42/40 MPa	20	57	23,4	95	62,5	14	73,5	49	75	180	106,5	21	N 3/4	41	14	20	1,583	GE3NNT44011A000	GE3NNT43044A000
GE3 N 1	42/35 MPa	25	65	29,5	112	66,5	14	83,5	55	89	180	116,5	24	N 1	50	14	25	2,421	GE3NNT53011A000	GE3NNT53044A000
GE3 N 1 1/4 R	35 MPa	25	65	29,5	120	66,5	14	83,5	55	89	180	116,5	24	N 1 1/4	55	14	25	2,601	GE3NNT63011A000	GE3NNT63044A000
GE3 N 1 1/2 R	35 MPa	25	65	29,5	124	66,5	14	83,5	55	89	180	116,5	24	N 1 1/2	60	14	25	2,756	GE3NNT73011A000	GE3NNT73044A000



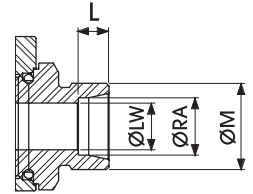
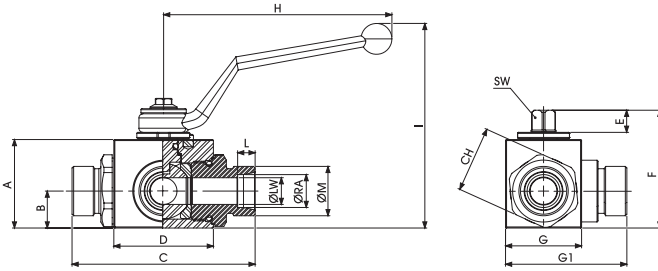


GE3 SAE J1926-1

Standard

CARBON STEEL

TYPE	PN	DN	A	B	C	D	E	F	G	G1	H	I	L	ØM	CH	SW	ØLW	KG	ITEM CODE
GE3 SAE4	50 MPa	6	35	14,5	71	42,4	11	49	30	48,5	110	91,5	15,5	$7/16$ UNF	24	9	6	0,536	GE3EEE04011AF10
GE3 SAE6	50 MPa	10	40	17,5	73	44,4	11	54,25	35	54,5	110	96,5	16	$9/16$ UNF	30	9	10	0,695	GE3EEE14011AF10
GE3 SAE8	50 MPa	13	43	18	83	48,4	11	57	37	58,5	110	99,5	17,5	$3/4$ UNF	32	9	13	0,825	GE3EEE23011AF10
GE3 SAE12	42/40 MPa	20	57	23,4	95	62,5	14	73,5	49	75	180	106,5	23	$1 1/16$ UNF	41	14	20	1,583	GE3EEE34011AF10
GE3 SAE16	42/35 MPa	25	65	29,4	112	66,5	14	83,5	55	89	180	116,5	23	$1 5/16$ UNF	50	14	25	2,421	GE3EEE43011AF10
GE3 SAE20R	35 MPa	25	65	29,4	120	66,5	14	83,5	55	89	180	116,5	23	$1 5/8$ UNF	55	14	25	2,601	GE3EEE53011AF10
GE3 SAE24R	35 MPa	25	65	29,4	124	66,5	14	83,5	55	89	180	116,5	23	$1 7/8$ UNF	60	14	25	2,756	GE3EEE63011AF10



GE3 DIN 2353 HEAVY SERIES

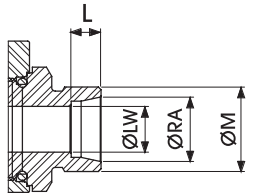
Standard

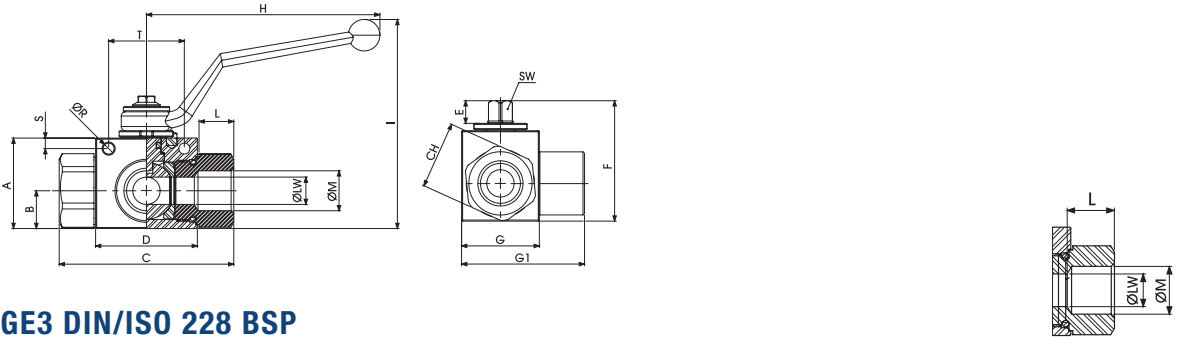
TYPE	PN	DN	A	B	C	D	E	F	G	G1	H	I	L	ØM	CH	SW	ØLW	ØRA	KG	CARBON STEEL	STAINLESS STEEL
																				ITEM CODE	ITEM CODE
GE3 8S	50 MPa	6	35	14,5	76	42,4	11	49	30	48,5	110	91,5	7	M16x1,5	24	9	4	8	0,53	GE3DDS04011A000	GE3DDS04044A000
GE3 10S	50 MPa	6	35	14,5	76	42,4	11	49	30	48,5	110	91,5	7,5	M18x1,5	24	9	6	10	0,532	GE3DDS14011A000	GE3DDS14044A000
GE3 12S	50 MPa	8	35	14,5	76	42,4	11	49	30	48,5	110	91,5	7,5	M20x1,5	24	9	8	12	0,535	GE3DDRS4011A000	GE3DDRS4044A000
GE3 12S	50 MPa	10	40	17,4	76	44,4	11	54,25	35	54,5	110	96,5	7,5	M20x1,5	30	9	10	12	0,633	GE3DDS24011A000	GE3DDS24044A000
GE3 14S	50 MPa	10	40	17,4	82,5	44,4	11	54,25	35	54,5	110	96,5	8	M22x1,5	30	9	10	14	0,665	GE3DDS34011A000	GE3DDS34044A000
GE3 16S	50 MPa	13	43	18	89	48,4	11	57	37	59	110	99,5	8,5	M24x1,5	32	9	13	16	0,722	GE3DDS43011A000	GE3DDS43044A000
GE3 20S	50 MPa	13	43	18	93	48,4	11	57	37	59	110	99,5	10,5	M30x2	32	9	13	20	0,861	GE3DDS53011A000	GE3DDS53044A000
GE3 25S	35/40 MPa	20	57	23,4	111	62,5	14	73,5	49	75	180	106,5	12	M36x2	41	14	20	25	1,639	GE3DDS64011A000	GE3DDS63044A000
GE3 30S	35 MPa	25	65	29,5	121	66,5	14	83,5	55	89	180	116,5	13	M42x2	50	14	25	30	2,361	GE3DDS73011A000	GE3DDS73044A000
GE3 38S	35 MPa	25	65	29,5	131	66,5	14	83,5	55	89	180	116,5	16	M52x2	55	14	25	38	2,655	GE3DDS83011A000	GE3DDS83044A000

GE3 DIN 2353 LIGHT SERIES

Standard

TYPE	PN	DN	A	B	C	D	E	F	G	G1	H	I	L	ØM	CH	SW	ØLW	ØRA	KG	CARBON STEEL	STAINLESS STEEL
																				ITEM CODE	ITEM CODE
GE3 6L	50 MPa	6	35	14,5	76	42,4	11	49	30	48,5	110	91,5	7	M12x1,5	24	9	6	6	0,53	GE3DDL04011A000	GE3DDL04044A000
GE3 8L	50 MPa	6	35	14,5	76	42,4	11	49	30	48,5	110	91,5	7	M14x1,5	24	9	6	8	0,532	GE3DDL14011A000	GE3DDL14044A000
GE3 10L	50 MPa	6	35	14,5	76	42,4	11	49	30	48,5	110	91,5	7	M16x1,5	24	9	6	10	0,535	GE3DDRL4011A000	GE3DDRL4044A000
GE3 10L	50 MPa	10	40	17,4	76,5	44,4	11	54,25	35	54,5	110	96,5	7	M16x1,5	30	9	10	10	0,633	GE3DDL24011A000	GE3DDL24044A000
GE3 12L	50 MPa	10	40	17,4	79,5	44,4	11	54,25	35	54,5	110	96,5	7	M18x1,5	30	9	10	12	0,665	GE3DDL34011A000	GE3DDL34044A000
GE3 15L	50 MPa	13	43	18	87	48,4	11	57	37	59	110	99,5	7	M22x1,5	32	9	13	15	0,722	GE3DDL43011A000	GE3DDL43044A000
GE3 18L	50 MPa	13	43	18	87	48,4	11	57	37	59	110	99,5	7,5	M26x1,5	32	9	13	18	0,861	GE3DDL53011A000	GE3DDL53044A000
GE3 22L	35/40 MPa	20	57	23,4	110	62,5	14	73,5	49	75	180	106,5	7,5	M30x2	41	14	20	22	1,639	GE3DDL64011A000	GE3DDL63044A000
GE3 28L	35 MPa	25	65	29,5	117	66,5	14	83,5	55	89	180	116,5	7,5	M36x2	50	14	25	28	2,361	GE3DDL73011A000	GE3DDL73044A000
GE3 35L	35 MPa	25	65	29,5	119	66,5	14	83,5	55	89	180	116,5	10,5	M45x2	50	14	25	35	2,361	GE3DDL83011A000	GE3DDL83044A000
GE3 42L	35 MPa	25	65	29,5	119	66,5	14	83,5	55	89	180	116,5	11	M52x2	55	14	25	42	2,456	GE3DDL93011A000	GE3DDL93044A000





GE3 DIN/ISO 228 BSP

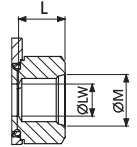
Fixing holes

TYPE	PN	DN	A	B	C	D	E	F	G	G1	H	I	L	ØM	CH	ØR	S	T	SW	ØLW	KG	CARBON STEEL	STAINLESS STEEL
																						ITEM CODE	ITEM CODE
GE3 G 1/8	50 MPa	4	35	14,5	71	42,4	11	49	30	48,5	110	91,5	11	G 1/8	24	5,25	4,5	34	9	4	0,558	GE3GGT04011AF10	GE3GGT04044AF10
GE3 G 1/4	50 MPa	6	35	14,5	71	42,4	11	49	30	48,5	110	91,5	15,5	G 1/4	24	5,25	4,5	34	9	6	0,536	GE3GGT14011AF10	GE3GGT14044AF10
GE3 G 3/8	50 MPa	10	40	17,4	73	44,4	11	54,25	35	54,5	110	96,5	15,5	G 3/8	30	5,25	4,5	34	9	10	0,695	GE3GGT24011AF10	GE3GGT24044AF10
GE3 G 1/2	50 MPa	13	43	18	83	48,4	11	57	37	58,5	110	99,5	17	G 1/2	32	5,25	5	36	9	13	0,825	GE3GGT33011AF10	GE3GGT33044AF10
GE3 G 3/4	42/40 MPa	20	57	23,4	95	62,5	14	73,5	49	75	180	106,5	21	G 3/4	41	6,25	6	50	14	20	1,583	GE3GGT44011AF10	GE3GGT43044AF10
GE3 G 1	42/35 MPa	25	65	29,5	112	66,5	14	83,5	55	89	180	116,5	24	G 1	50	6,25	6	50	14	25	2,421	GE3GGT53011AF10	GE3GGT53044AF10
GE3 G 1 1/4 R	35 MPa	25	65	29,5	120	66,5	14	83,5	55	89	180	116,5	24	G 1 1/4	55	6,25	6	50	14	25	2,601	GE3GGR63011AF10	GE3GGR63044AF10
GE3 G 1 1/2 R	35 MPa	25	65	29,5	124	66,5	14	83,5	55	89	180	116,5	24	G 1 1/2	60	6,25	6	50	14	25	2,756	GE3GGR73011AF10	GE3GGR73044AF10

GE3 ANSI/ASME B1.20.1 NPT

Fixing holes

TYPE	PN	DN	A	B	C	D	E	F	G	G1	H	I	L	ØM	CH	ØR	S	T	SW	ØLW	KG	CARBON STEEL	STAINLESS STEEL
																						ITEM CODE	ITEM CODE
GE3 N 1/8	50 MPa	4	35	14,5	71	42,4	11	49	30	48,5	110	91,5	11	N 1/8	24	5,25	4,5	34	9	4	0,558	GE3NNT04011AF10	GE3NNT04044AF10
GE3 N 1/4	50 MPa	6	35	14,5	71	42,4	11	49	30	48,5	110	91,5	15,5	N 1/4	24	5,25	4,5	34	9	6	0,536	GE3NNT14011AF10	GE3NNT14044AF10
GE3 N 3/8	50 MPa	10	40	17,4	73	44,4	11	54,25	35	54,5	110	96,5	15,5	N 3/8	30	5,25	4,5	34	9	10	0,695	GE3NNT24011AF10	GE3NNT24044AF10
GE3 N 1/2	50 MPa	13	43	18	83	48,4	11	57	37	58,5	110	99,5	17	N 1/2	32	5,25	5	36	9	13	0,825	GE3NNT33011AF10	GE3NNT33044AF10
GE3 N 3/4	42/40 MPa	20	57	23,4	95	62,5	14	73,5	49	75	180	106,5	21	N 3/4	41	6,25	6	50	14	20	1,583	GE3NNT44011AF10	GE3NNT43044AF10
GE3 N 1	42/35 MPa	25	65	29,5	112	66,5	14	83,5	55	89	180	116,5	24	N 1	50	6,25	6	50	14	25	2,421	GE3NNT53011AF10	GE3NNT53044AF10
GE3 N 1 1/4 R	35 MPa	25	65	29,5	120	66,5	14	83,5	55	89	180	116,5	24	N 1 1/4	55	6,25	6	50	14	25	2,601	GE3NNR63011AF10	GE3NNR63044AF10
GE3 N 1 1/2 R	35 MPa	25	65	29,5	124	66,5	14	83,5	55	89	180	116,5	24	N 1 1/2	60	6,25	6	50	14	25	2,756	GE3NNR73011AF10	GE3NNR73044AF10

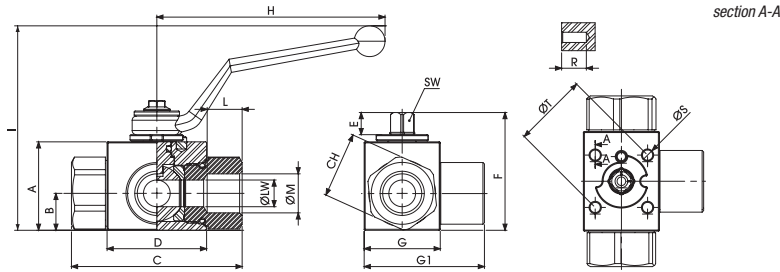


GE3 SAE J1926-1

Fixing holes

CARBON STEEL

TYPE	PN	DN	A	B	C	D	E	F	G	H	I	L	ØM	CH	ØR	S	T	SW	ØLW	KG	ITEM CODE
GE3 SAE4	50 MPa	6	35	14,5	71	42,4	11	49	30	110	91,5	15,5	7/16 UNF	24	5,25	4,5	34	9	6	0,512	GE3EEE04011AF10
GE3 SAE6	50 MPa	10	40	17,5	73	44,8	11	54,25	35	110	96,5	16	9/16 UNF	30	5,25	4,5	34	9	10	0,695	GE3EEE14011AF10
GE3 SAE8	50 MPa	13	43	18	83	48,4	11	57	37	110	99,5	17,5	3/4 UNF	32	5,25	5	36	9	13	0,825	GE3EEE23011AF10
GE3 SAE12	42/40 MPa	20	57	23,4	95	62,5	14	73,5	49	180	106,5	23	1 1/16 UNF	41	6,25	6	50	14	20	1,583	GE3EEE34011AF10
GE3 SAE16	42/35 MPa	25	65	29,4	112	66,5	14	83,5	55	180	116,5	23	1 5/16 UNF	50	6,25	6	50	14	25	2,421	GE3EEE43011AF10
GE3 SAE20R	35 MPa	25	65	29,4	120	66,5	14	83,5	55	180	116,5	23	1 5/8 UNF	55	6,25	6	50	14	25	2,601	GE3EEE53011AF10
GE3 SA24R	35 MPa	25	65	29,4	124	66,5	14	83,5	55	180	116,5	23	1 7/8 UNF	60	6,25	6	50	14	25	2,756	GE3EEE63011AF10

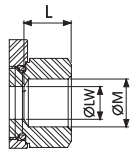


GE3 DIN/ISO 228 BSP

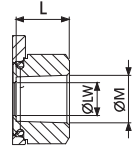
Fixing holes DIN/ISO5211

CARBON STEEL STAINLESS STEEL

TYPE	PN	DN	A	B	C	D	E	F	G	G1	H	I	L	ØM	CH	R	ØS	ØT	ISO5211	SW	LW	KG	ITEM CODE	ITEM CODE
GE3 G 1/8	50 MPa	4	35	14,5	71	42,4	11	49	30	48,5	110	91,5	11	G 1/8	24	9,5	M4	35	F03	9	4	0,558	GE3GGT04011AF50	GE3GGT04044AF50
GE3 G 1/4	50 MPa	6	35	14,5	71	42,4	11	49	30	48,5	110	91,5	15,5	G 1/4	24	9,5	M4	35	F03	9	6	0,536	GE3GGT14011AF50	GE3GGT14044AF50
GE3 G 3/8	50 MPa	10	40	17,4	73	44,4	11	54,25	35	54,5	110	96,5	15,5	G 3/8	30	9,5	M5	36	F03	9	10	0,695	GE3GGT24011AF50	GE3GGT24044AF50
GE3 G 1/2	50 MPa	13	43	18	83	48,4	11	57	37	58,5	110	99,5	17	G 1/2	32	9,5	M5	36	F03	9	13	0,825	GE3GGT33011AF50	GE3GGT33044AF50
GE3 G 3/4	42/40 MPa	20	57	23,4	95	62,5	14	73,5	49	75	180	106,5	21	G 3/4	41	15	M6	50	F05	14	20	1,583	GE3GGT44011AF50	GE3GGT43044AF50
GE3 G 1	42/35 MPa	25	65	29,5	112	66,5	14	83,5	55	89	180	116,5	24	G 1	50	15	M6	50	F05	14	25	2,421	GE3GGT53011AF50	GE3GGT53044AF50
GE3 G 1 1/4 R	35 MPa	25	65	29,5	120	66,5	14	83,5	55	89	180	116,5	24	G 1 1/4	55	15	M6	50	F05	14	25	2,601	GE3GGR63011AF50	GE3GGR63044AF50
GE3 G 1 1/2 R	35 MPa	25	65	29,5	124	66,5	14	83,5	55	89	180	116,5	24	G 1 1/2	60	15	M6	50	F05	14	25	2,756	GE3GGR73011AF50	GE3GGR73044AF50



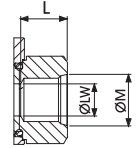
GE3 ANSI/ASME B1.20.1 NPT



Fixing holes DIN/ISO5211

																				CARBON STEEL	STAINLESS STEEL			
TYPE	PN	DN	A	B	C	D	E	F	G	G1	H	I	L	ØM	CH	R	ØS	ØT	ISO5211	SW	LW	KG	ITEM CODE	ITEM CODE
GE3 N 1/8	50 MPa	4	35	14,5	71	42,4	11	49	30	48,5	110	91,5	11	N 1/8	24	9	M4	35	F03	9	4	0,558	GE3NNT04011AF50	GE3NNT04044AF50
GE3 N 1/4	50 MPa	6	35	14,5	71	42,4	11	49	30	48,5	110	91,5	17	N 1/4	24	9	M4	35	F03	9	6	0,536	GE3NNT14011AF50	GE3NNT14044AF50
GE3 N 3/8	50 MPa	10	40	17,4	73	44,4	11	54,25	35	54,5	110	96,5	17	N 3/8	30	9	M5	36	F03	9	10	0,695	GE3NNT24011AF50	GE3NNT24044AF50
GE3 N 1/2	50 MPa	13	43	18	83	48,4	11	57	37	58,5	110	99,5	21	N 1/2	32	9	M5	36	F03	9	13	0,825	GE3NNT33011AF50	GE3NNT33044AF50
GE3 N 3/4	42/40 MPa	20	57	23,4	95	62,5	14	73,5	49	75	180	106,5	21	N 3/4	41	15	M6	50	F05	14	20	1,583	GE3NNT44011AF50	GE3NNT43044AF50
GE3 N 1	42/35 MPa	25	65	29,5	112	66,5	14	83,5	55	89	180	116,5	24	N 1	50	15	M6	50	F05	14	25	2,421	GE3NNT53011AF50	GE3NNT53044AF50
GE3 N 1 1/4 R	35 MPa	25	65	29,5	120	66,5	14	83,5	55	89	180	116,5	24	N 1 1/4	55	15	M6	50	F05	14	25	2,601	GE3NNR63011AF50	GE3NNR63044AF50
GE3 N 1 1/2 R	35 MPa	25	65	29,5	124	66,5	14	83,5	55	89	180	116,5	24	N 1 1/2	60	15	M6	50	F05	14	25	2,756	GE3NNR73011AF50	GE3NNR73044AF50

GE3 SAE J1926-1



Fixing holes DIN/ISO5211

																				CARBON STEEL	
TYPE	PN	DN	A	B	C	D	E	F	G	H	I	L	ØM	CH	R	ØS	ØT	SW	ØLW	KG	ITEM CODE
GE3 SAE4	50 MPa	6	35	14,5	71	42,4	11	49	30	110	91,5	15,5	7/16 UNF	24	9	M4	35	9	6	0,512	GE3EEE04011AF50
GE3 SAE6	50 MPa	10	40	17,5	73	44,8	11	54,25	35	110	96,5	16	9/16 UNF	30	9	M4	35	9	10	0,695	GE3EEE14011AF50
GE3 SAE8	50 MPa	13	43	18	83	48,4	11	57	37	110	99,5	17,5	3/4 UNF	32	9	M5	36	9	13	0,825	GE3EEE23011AF50
GE3 SAE12	42/40 MPa	20	57	23,4	95	62,5	14	73,5	49	180	106,5	23	1 1/16 UNF	41	9	M5	36	14	20	1,583	GE3EEE34011AF50
GE3 SAE16	42/35 MPa	25	65	29,4	112	66,5	14	83,5	55	180	116,5	23	1 5/16 UNF	50	15	M6	50	14	25	2,421	GE3EEE43011AF50
GE3 SAE20R	35 MPa	25	65	29,4	120	66,5	14	83,5	55	180	116,5	23	1 5/8 UNF	55	15	M6	50	14	25	2,601	GE3EEE53011AF50
GE3 SA24R	35 MPa	25	65	29,4	124	66,5	14	83,5	55	180	116,5	23	1 7/8 UNF	60	15	M6	50	14	25	2,756	GE3EEE63011AF50

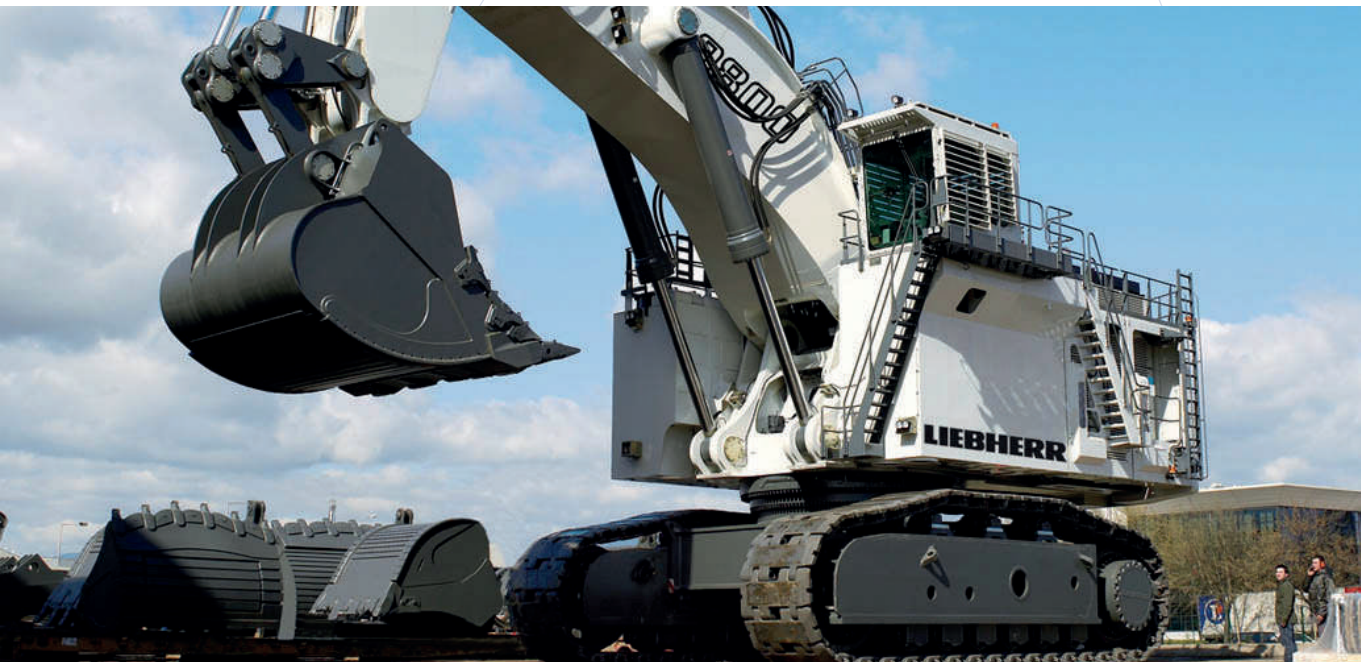
SMALLER
DESIGN

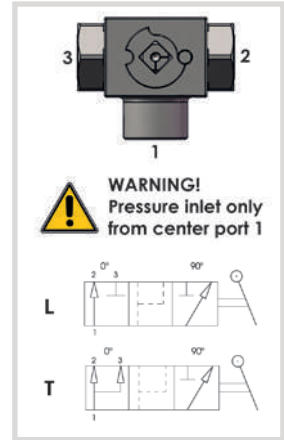
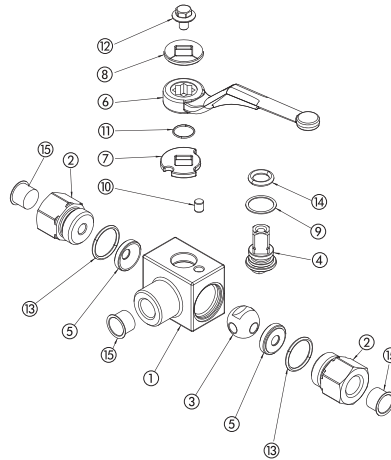
GE5

3-WAY HIGH PRESSURE BALL VALVES

CARBON STEEL

- Type: ball valve GE 3 way
- Body: block
- Ball seats: from DN6 up to DN13
- Operating pressure: 500 Bar
depending on valve size and seal materials selected
- Temp range: -20°C to +100°C
depending on seal material selected



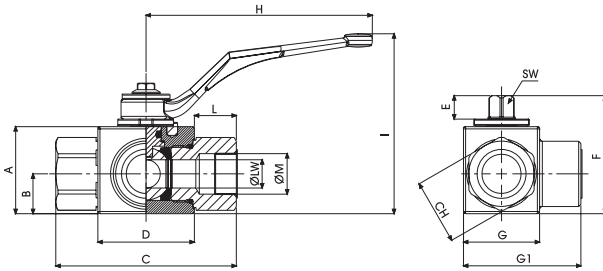


CARBON STEEL			
POS	DESCRIPTION	MATERIAL	Q.TY
1	Body	1,0737	1
2	Adapter	1,0737	2
3	Ball	1,0737	1
4	Stem	1,0737	1
5	Ball seat	POM	2
6	Handle	ZINC	1
7	Washer	1,0116	1
8	Washer	1,0116	1
9	Stem ring	POM	1
10	Spine	1,0737	1
11	Seeger	1,4301	1
12	Adapter o-ring	NBR	2
13	Stem o-ring	NBR	1
14	Screw	Din 6921 8.8	1
15	Caps	PVC	3

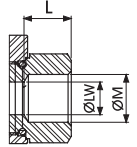
CARBON STEEL										
GE5	G ^{3/8}	DN10	1	1	1	1	A	B		
TYPE AND WAY OF VALVE	GAS DIN/ ISO 228 BSP	NPT ANSI/ ASME B1.20.1	SAE J1926-1	NOMINAL DIMENSION	BODY MATERIAL	ADAPTER MATERIAL	STEM MATERIAL	BALL MATERIAL	BALL SEAT MATERIAL	ADAPTER AND STEM SEAL MATERIAL
GE3	G 1/4	N 1/4	SAE4	DN6	1 1,0737	1 1,0737	1 1,0737	1 1,0737	A POM	B NBR
3-way	G 3/8	N 3/8	SAE6	DN10			4 1,4404*	4 1,4404*		
	G 1/2	N 1/2	SAE8	DN13						

- *On request:
- Reduced bore
 - Special threads
 - Pressure class up to PN50 MPa
 - Pneumatic and electrical actuator
 - Security block
 - Locking device

For further special requests please consult our technical/commercial service



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DESIGN**



GE5 DIN/ISO 228 BSP

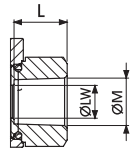
Standard

TYPE	PN	DN	A	B	C	D	E	F	G	G1	H	I	L	ØM	CH	SW	ØLW	KG	CARBON STEEL
																			ITEM CODE
GE5 G 1/4	50 MPa	6	33	14,3	69	39,4	11,1	47,25	26	42	110	87	14,8	G 1/4	22	9	6	0,411	GE5GGT15011A000
GE5 G 3/8	50 MPa	10	35	15	71	41,8	11,1	49,25	30	46	110	89	14,6	G 3/8	27	9	10	0,512	GE5GGT25011A000
GE5 G 1/2	50 MPa	13	40	18,3	83	44,4	11,1	54,25	35	54	110	94	19,8	G 1/2	30	9	13	0,72	GE5GGT35011A000

GE5 ANSI/ASME B1.20.1 NPT

Standard

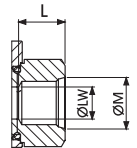
TYPE	PN	DN	A	B	C	D	E	F	G	G1	H	I	L	ØM	CH	SW	ØLW	KG	CARBON STEEL
																			ITEM CODE
GE5 N 1/4	50 MPa	6	33	14,3	69	39,4	11,1	47,25	26	42	110	87	14,8	N 1/4	22	9	6	0,411	GE5NNT15011A000
GE5 N 3/8	50 MPa	10	35	15	71	41,8	11,1	49,25	30	46	110	89	14,6	N 3/8	27	9	10	0,512	GE5NNT25011A000
GE5 N 1/2	50 MPa	13	40	18,3	83	44,4	11,1	54,25	35	54	110	94	19,8	N 1/2	30	9	13	0,72	GE5NNT35011A000

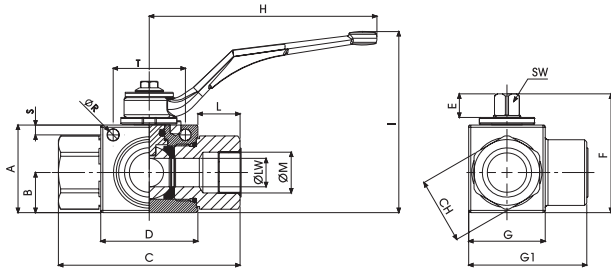


GE5 SAE J1926-1

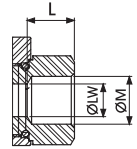
Standard

TYPE	PN	DN	A	B	C	D	E	F	G	G1	H	I	L	ØM	CH	SW	ØLW	KG	CARBON STEEL
																			ITEM CODE
GE5 SAE4	50 MPa	6	33	14,3	69	39,4	11,1	47,25	26	42	110	87	14,8	7/16 UNF	22	9	6	0,411	GE5EEE05011A000
GE5 SAE6	50 MPa	10	35	15	71	41,8	11,1	49,25	30	46	110	89	14,6	9/16 UNF	27	9	10	0,512	GE5EEE15011A000
GE5 SAE8	50 MPa	13	40	18,3	83	44,4	11,1	54,25	35	54	110	94	19,8	3/4 UNF	30	9	13	0,72	GE5EEE25011A000





**SMALLER
DESIGN**



GE5 DIN/ISO 228 BSP

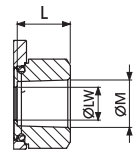
Fixing holes

																					CARBON STEEL	
TYPE	PN	DN	A	B	C	D	E	F	G	G1	H	I	L	ØM	CH	ØR	S	T	SW	ØLW	KG	ITEM CODE
GE5 G 1/4	50 MPa	6	33	14,3	69	39,4	11,1	47,25	26	42	110	87	14,8	G 1/4	22	5,10	4,5	33	9	6	0,411	GE5GGT15011AF10
GE5 G 3/8	50 MPa	10	35	15	71	41,8	11,1	49,25	30	46	110	89	14,6	G 3/8	27	5,25	4,5	33	9	10	0,512	GE5GGT25011AF10
GE5 G 1/2	50 MPa	13	40	18,3	83	44,4	10,8	54,30	35	54	110	94	19,8	G 1/2	30	5,25	4,5	33	9	13	0,72	GE5GGT35011AF10

GE5 ANSI/ASME B1.20.1 NPT

Fixing holes

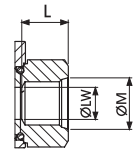
																					CARBON STEEL	
TYPE	PN	DN	A	B	C	D	E	F	G	G1	H	I	L	ØM	CH	ØR	S	T	SW	ØLW	KG	ITEM CODE
GE1 N 1/4	50 MPa	6	33	14,3	69	39,4	11,1	47,25	26	42	110	87	14,8	N 1/4	22	5,10	4,5	33	9	6	0,411	GE5NNT15011AF10
GE1 N 3/8	50 MPa	10	35	15	71	41,8	11,1	49,25	30	46	110	89	14,6	N 3/8	27	5,25	4,5	33	9	10	0,512	GE5NNT25011AF10
GE1 N 1/2	50 MPa	13	40	18,3	83	44,4	11,1	54,25	35	54	110	94	19,8	N 1/2	30	5,25	4,5	33	9	13	0,72	GE5NNT35011AF10



GE5 SAE J1926-1

Fixing holes

																					CARBON STEEL	
TYPE	PN	DN	A	B	C	D	E	F	G	G1	H	I	L	ØM	CH	ØR	S	T	SW	ØLW	KG	ITEM CODE
GE5 SAE4	50 MPa	6	33	14,3	69	39,4	11,1	47,25	26	42	110	87	14,8	7/16 UNF	22	5,10	4,5	33	9	6	0,411	GE5EEE05011AF10
GE5 SAE6	50 MPa	10	35	15	71	41,8	10,8	49,30	30	46	104	78	14,6	9/16 UNF	27	5,25	4,5	33	9	10	0,512	GE5EEE15011AF10
GE5 SAE8	50 MPa	13	40	18,3	83	44,4	10,8	54,30	35	54	104	83	19,3	3/4 UNF	30	5,25	4,5	33	9	13	0,72	GE5EEE25011AF10



GE3K

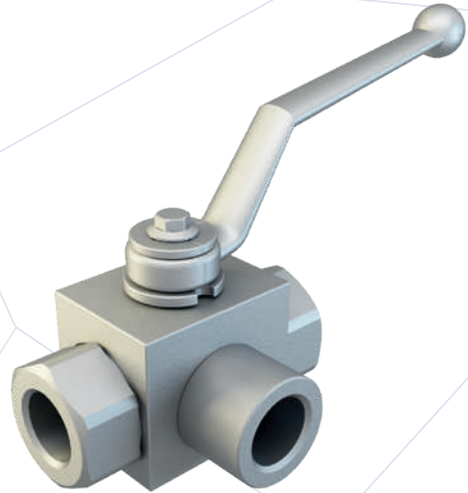
3-WAY HIGH PRESSURE BALL VALVES

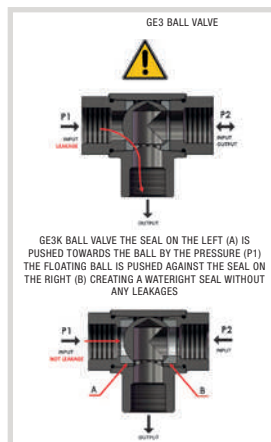
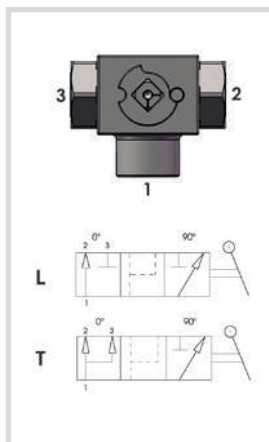
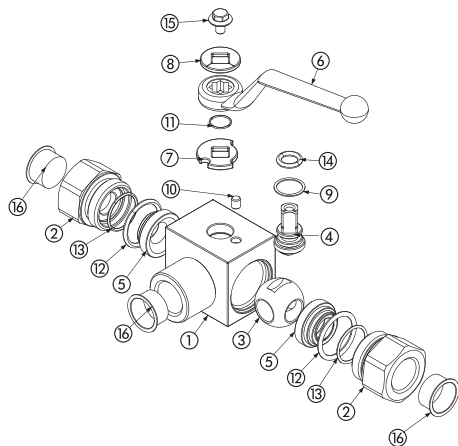
CARBON STEEL

- Type: ball valve GE 3 way
- Body: block
- Ball seats: from DN4 up to DN25
- Operating pressure: 500 Bar
depending on valve size and seal materials selected
- Temp range: -20°C to +100°C
depending on seal material selected

STAINLESS STEEL

- Type: ball valve GE 3 way
- Body: block
- Ball seats: from DN4 up to DN25
- Operating pressure: 500 Bar
depending on valve size and seal materials selected
- Temp range: -30°C to +100°C
depending on seal material selected





CARBON STEEL			
POS	DESCRIPTION	MATERIAL	Q.TY
1	Body	1,0737	1
2	Adapter	1,0737	2
3	Ball	1,0737	1
4	Stem	1,0737	1
5	Ball seat	POM	2
6	Handle	ZINC	1
7	Washer	1,0116	1
8	Washer	1,0116	1
9	Stem ring	POM	1
10	Spine	1,0737	1
11	Seeger	1,4301	1
12	Adapter o-ring	NBR	2
13	Seal o-ring	NBR	2
14	Stem o-ring	NBR	1
15	Screw	Din 6921 8.8	1
16	Caps	PVC	3

CARBON STEEL										
GE3K	G $\frac{1}{2}$	DN13	2	1	1	1	A	B		
TYPE AND WAY OF VALVE	GAS DIN/ ISO 228 BSP	NPT ANSI/ ASME B1.20.1	SAE J1926-1	NOMINAL DIMENSION	BODY MATERIAL	ADAPTER MATERIAL	STEM MATERIAL	BALL MATERIAL	BALL SEAT MATERIAL	ADAPTER AND STEM SEAL MATERIAL
GE3 3-way	G $\frac{1}{8}$	N $\frac{1}{8}$	SAE4	DN4	2 1,0737	1 1,0737	1 1,0737	1 1,0737	A POM	B NBR
	G $\frac{1}{4}$	N $\frac{1}{4}$	SAE6	DN6			4 1,4404*	4 1,4404*	D PEEK*	E FKM*
	G $\frac{3}{8}$	N $\frac{3}{8}$	SAE8	DN10					G PA612*	F EPDM*
	G $\frac{1}{2}$	N $\frac{1}{2}$	SAE12	DN13					K GEMPTFE*	L MVQ*
	G $\frac{3}{4}$	N $\frac{3}{4}$	SAE16	DN20					C PTFE*	
	G 1	N 1	SAE20R	DN25						
	G 1 $\frac{1}{4}$ R	N 1 $\frac{1}{4}$ R	SAE24R							
	G 1 $\frac{1}{2}$ R	N 1 $\frac{1}{2}$ R								

STAINLESS STEEL			
POS	DESCRIPTION	MATERIAL	Q.TY
1	Body	1,4404	1
2	Adapter	1,4404	2
3	Ball	1,4404	1
4	Stem	1,4404	1
5	Ball seat	POM	2
6	Handle	ZINC	1
7	Washer	1,0116	1
8	Washer	1,4301	1
9	Stem ring	POM	1
10	Spine	1,4301	1
11	Seeger	1,4301	1
12	Adapter o-ring	NBR	2
13	Seal o-ring	NBR	2
14	Stem o-ring	NBR	1
15	Screw	Din 6921 A2	1
16	Caps	PVC	3

STAINLESS STEEL										
GE3K	G $\frac{1}{2}$	DN13	4	4	4	4	A	B		
TYPE AND WAY OF VALVE	GAS DIN/ ISO 228 BSP	NPT ANSI/ ASME B1.20.1	SAE J1926-1	NOMINAL DIMENSION	BODY MATERIAL	ADAPTER MATERIAL	STEM MATERIAL	BALL MATERIAL	BALL SEAT MATERIAL	ADAPTER AND STEM SEAL MATERIAL
GE3 3-way	G $\frac{1}{8}$	N $\frac{1}{8}$	SAE4	DN4	4 1,4404	4 1,4404	4 1,4404	4 1,4404	A POM	B NBR
	G $\frac{1}{4}$	N $\frac{1}{4}$	SAE6	DN6					D PEEK*	E FKM*
	G $\frac{3}{8}$	N $\frac{3}{8}$	SAE8	DN10					G PA612*	F EPDM*
	G $\frac{1}{2}$	N $\frac{1}{2}$	SAE12	DN13					K GEMPTFE*	L MVQ*
	G $\frac{3}{4}$	N $\frac{3}{4}$	SAE16	DN20					C PTFE*	
	G 1	N 1	SAE20R	DN25						
	G 1 $\frac{1}{4}$ R	N 1 $\frac{1}{4}$ R	SAE24R							
	G 1 $\frac{1}{2}$ R	N 1 $\frac{1}{2}$ R								

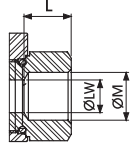
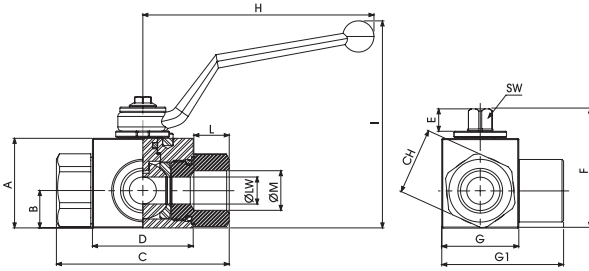
*On request:

- Reduced bore
- Special threads

- Pressure class up to PN40 MPa
- Pneumatic and electrical actuator

- Security block
- Locking device

For further special requests please consult our technical/commercial service



GE3K DIN/ISO 228 BSP

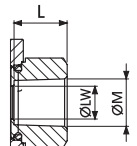
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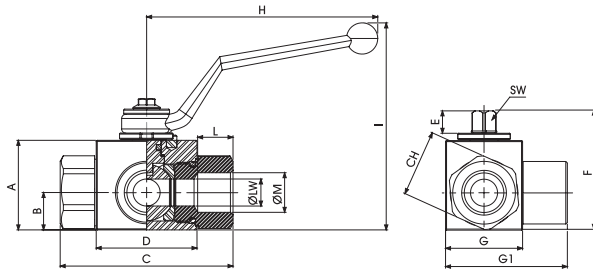
TYPE	PN	DN	A	B	C	D	E	F	G	G1	H	I	L	ØM	CH	SW	ØLW	KG	CARBON STEEL	STAINLESS STEEL
																			ITEM CODE	ITEM CODE
GE3K G 1/4	50 MPa	6	35	14,5	71	42,4	11	49	30	48,5	110	91,5	15,5	G 1/4	24	9	6	0,536	GK3GGT14011A000	GK3GGT14044A000
GE3K G 3/8	50 MPa	10	40	17,4	73	44,4	11	54,25	35	54,5	110	96,5	15,5	G 3/8	30	9	10	0,695	GK3GGT24011A000	GK3GGT24044A000
GE3K G 1/2	50 MPa	13	43	18	83	48,4	11	57	37	58,5	110	99,5	17	G 1/2	32	9	13	0,825	GK3GGT33011A000	GK3GGT33044A000
GE3K G 3/4	40/35 MPa	20	57	23,4	95	62,5	14	73,5	49	75	180	106,5	21	G 3/4	41	14	20	1,583	GK3GGT44011A000	GK3GGT43044A000
GE3K G 1	35 MPa	25	65	29,5	105	66,5	14	83,5	55	89	180	116,5	24	G 1	50	14	25	2,421	GK3GGT53011A000	GK3GGT53044A000
GE3K G 1 1/4 R	35 MPa	25	65	29,5	120	66,5	14	83,5	55	89	180	116,5	24	G 1 1/4	55	14	25	2,601	GK3GGR63011A000	GK3GGR63044A000
GE3K G 1 1/2 R	35 MPa	25	65	29,5	124	66,5	14	83,5	55	89	180	116,5	24	G 1 1/2	60	14	25	2,756	GK3GGR73011A000	GK3GGR73044A000

GE3K ANSI/ASME B1.20.1 NPT

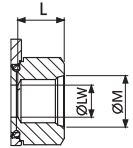
Standard

TYPE	PN	DN	A	B	C	D	E	F	G	G1	H	I	L	ØM	CH	SW	ØLW	KG	CARBON STEEL	STAINLESS STEEL
																			ITEM CODE	ITEM CODE
GE3K N 1/4	50 MPa	6	35	14,5	71	42,4	11	49	30	48,5	110	91,5	17	N 1/4	24	9	6	0,536	GK3NNT14011A000	GK3NNT14044A000
GE3K N 3/8	50 MPa	10	40	17,4	73	44,4	11	54,25	35	54,5	110	96,5	17	N 3/8	30	9	10	0,695	GK3NNT24011A000	GK3NNT24044A000
GE3K N 1/2	50 MPa	13	43	18	83	48,4	11	57	37	58,5	110	99,5	21	N 1/2	32	9	13	0,825	GK3NNT33011A000	GK3NNT33044A000
GE3K N 3/4	40/35 MPa	20	57	23,4	95	62,5	14	73,5	49	75	180	106,5	21	N 3/4	41	14	20	1,583	GK3NNT44011A000	GK3NNT43044A000
GE3K N 1	35 MPa	25	65	29,5	105	66,5	14	83,5	55	89	180	116,5	24	N 1	50	14	25	2,421	GK3NNT53011A000	GK3NNT53044A000
GE3K N 1 1/4 R	35 MPa	25	65	29,5	120	66,5	14	83,5	55	89	180	116,5	24	N 1 1/4	55	14	25	2,601	GK3NNR63011A000	GK3NNR63044A000
GE3K N 1 1/2 R	35 MPa	25	65	29,5	124	66,5	14	83,5	55	89	180	116,5	24	N 1 1/2	60	14	25	2,756	GK3NNR73011A000	GK3NNR73044A000





ON
REQUEST



GE3K SAE J1926-1

Standard

TYPE	PN	DN	A	B	C	D	E	F	G	G1	H	I	L	ØM	CH	SW	ØLW	KG	CARBON STEEL	STAINLESS STEEL
																			ITEM CODE	ITEM CODE
GE3K SAE4	50 MPa	6	35	14,5	71	42,4	11	49	30	48,5	110	91,5	15,5	7/16 UNF	24	9	6	0,536	GK3EEE04011A000	GK3EEE04044A000
GE3K SAE6	50 MPa	10	40	17,4	73	44,4	11	54,25	35	54,5	110	96,5	16	9/16 UNF	30	9	10	0,695	GK3EEE14011A000	GK3EEE14044A000
GE3K SAE8	50 MPa	13	43	18	83	48,4	11	57	37	58,5	110	99,5	17,5	3/4 UNF	32	9	13	0,825	GK3EEE23011A000	GK3EEE23044A000
GE3K SAE12	40/35 MPa	20	57	23,4	95	62,5	14	73,5	49	75	180	106,5	23	1 1/16 UNF	41	14	20	1,583	GK3EEE34011A000	GK3EEE34044A000
GE3K SAE16	35 MPa	25	65	29,5	105	66,5	14	83,5	55	89	180	116,5	23	1 5/16 UNF	50	14	25	2,421	GK3EEE43011A000	GK3EEE43044A000
GE3K SAE20R	35 MPa	25	65	29,5	120	66,5	14	83,5	55	89	180	116,5	23	1 5/8 UNF	55	14	25	2,601	GK3EEE53011A000	GK3EEE53044A000
GE3K SAE24R	35 MPa	25	65	29,5	124	66,5	14	83,5	55	89	180	116,5	23	1 7/8 UNF	60	14	25	2,756	GK3EEE63011A000	GK3EEE63044A000

GEF

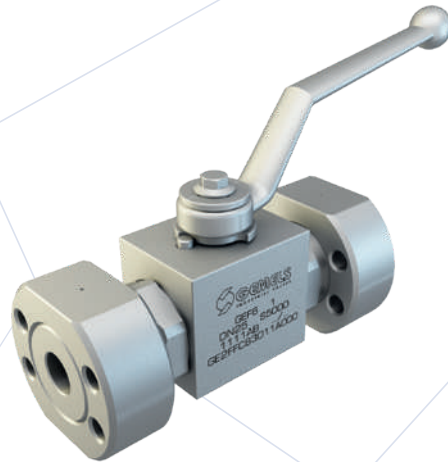
2-WAY HIGH PRESSURE BALL VALVES

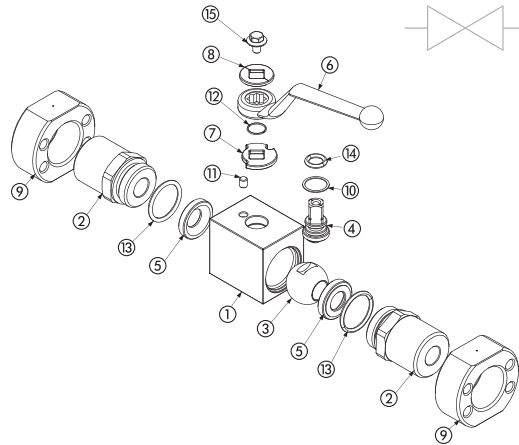
CARBON STEEL

- Type: ball valve GEF 2 way
- Body: block
- Ball seats: from DN13 up to DN25
- Operating pressure: S3000 (PN210) S6000 (PN420) depending on valve size and seal materials selected
- Temp range: -20°C to +100°C depending on seal material selected

STAINLESS STEEL

- Type: ball valve GEF 2 way
- Body: block
- Ball seats: from DN13 up to DN25
- Operating pressure: S3000 (PN210) S6000 (PN420) depending on valve size and seal materials selected
- Temp range: -30°C to +100°C depending on seal materials selected





CARBON STEEL			
POS	DESCRIPTION	MATERIAL	Q.TY
1	Body	1,0737	1
2	Adapter	1,0737	2
3	Ball	1,0737	1
4	Stem	1,0737	1
5	Ball seat	POM	2
6	Handle	ZINC	1
7	Washer	1,0116	1
8	Washer	1,0116	1
9	Flange	1,0737	2
10	Stem ring	POM	1
11	Spine	1,0737	1
12	Seeger	1,4301	1
13	Adapter o-ring	NBR	2
14	Stem o-ring	NBR	1
15	Screw	Din 6921 8.8	1

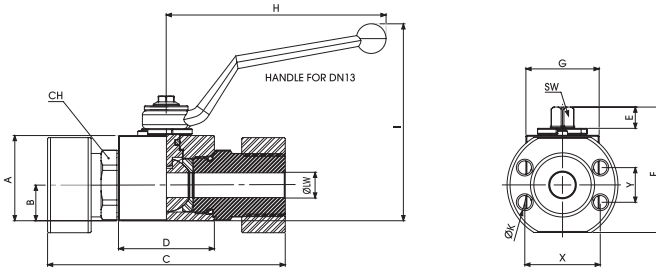
CARBON STEEL									
GE	F3	DN13	1	1	1	1	A	B	
TYPE AND WAY OF VALVE	VALVES DIMENSION OF PRESSURE (PSI) F3 F6		NOMINAL DIMENSION	BODY MATERIAL	ADAPTER MATERIAL	STEM MATERIAL	BALL MATERIAL	BALL SEAT MATERIAL	ADAPTER AND STEM SEAL MATERIAL
GE 2-way	S3000	S6000	DN13 DN20 DN25	1 1,0737	1 1,0737	1 1,0737 4 1,4404*	1 1,0737 4 1,4404*	A POM D PEEK* G PA612* K GEMPTFE* C PTFE*	B NBR E FKM* F EPDM* L MVQ*

STAINLESS STEEL			
POS	DESCRIPTION	MATERIAL	Q.TY
1	Body	1,4404	1
2	Adapter	1,4404	2
3	Ball	1,4404	1
4	Stem	1,4404	1
5	Ball seat	POM	2
6	Handle	ZINC	1
7	Washer	1,4301	1
8	Washer	1,4301	1
9	Flange	1,4404	2
10	Stem ring	POM	1
11	Spine	1,4301	1
12	Seeger	1,4301	1
13	Adapter o-ring	NBR	2
14	Stem o-ring	NBR	1
15	Screw	Din 6921 A2	1

STAINLESS STEEL									
GE	F3	DN13	4	4	4	4	A	B	
TYPE AND WAY OF VALVE	VALVES DIMENSION OF PRESSURE (PSI) F3 F6		NOMINAL DIMENSION	BODY MATERIAL	ADAPTER MATERIAL	STEM MATERIAL	BALL MATERIAL	BALL SEAT MATERIAL	ADAPTER AND STEM SEAL MATERIAL
GE 2-way	S3000	S6000	DN13 DN20 DN25	4 1,4404	4 1,4404	4 1,4404	4 1,4404	A POM D PEEK* G PA612* K GEMPTFE* C PTFE*	B NBR E FKM* F EPDM* L MVQ*

- *On request:
- Reduced bore
 - Special threads
 - Pressure class up to PN6000 Psi
 - Pneumatic and electrical actuator
 - Locking device

For further special requests please consult our technical/commercial service



GEF SAE J518 S3000

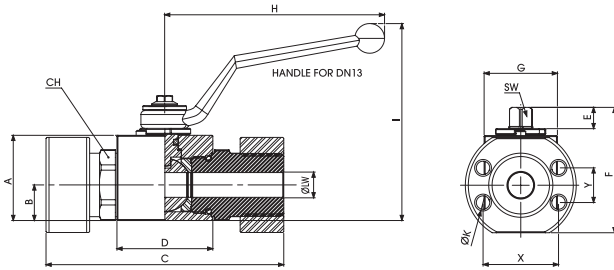
Standard

TYPE	PN	DN	A	B	C	D	E	F	G	H	I	CH	X	Y	ØK	SW	ØLW	KG	CARBON STEEL	STAINLESS STEEL
																			ITEM CODE	ITEM CODE
GEF3	5000 Psi	13	43	18	120	48,4	11	57	37	110	99,5	32	38,1	17,5	M8	9	13	1,504	GE2FFC0L011A000	GE2FFC0L044A000
GEF3	5000 Psi	20	55	23,4	136	62,5	14	73,5	45	180	106,5	41	47,6	22,2	M10	14	20	2,608	GE2FFC1L011A000	GE2FFC1L044A000
GEF3	5000 Psi	25	65	29,5	148	66,5	14	83,5	55	180	116,5	50	52,4	26,2	M10	14	25	3,891	GE2FFC2L011A000	GE2FFC2L044A000

GEF SAE J518 S3000 UNC

Standard

TYPE	PN	DN	A	B	C	D	E	F	G	H	I	CH	X	Y	ØK	SW	ØLW	KG	CARBON STEEL	STAINLESS STEEL
																			ITEM CODE	ITEM CODE
GEF3	5000 Psi	13	43	18	120	48,4	11	57	37	110	99,5	32	38,1	17,5	$\frac{5}{16}$ -18 UNC	9	13	1,504	GE2FUC0L011A000	GE2FUC0L044A000
GEF3	5000 Psi	20	55	23,4	136	62,5	14	73,5	45	180	106,5	41	47,6	22,2	$\frac{3}{8}$ -16 UNC	14	20	2,608	GE2FUC1L011A000	GE2FUC1L044A000
GEF3	5000 Psi	25	65	29,5	148	66,5	14	83,5	55	180	116,5	50	52,4	26,2	$\frac{3}{8}$ -16 UNC	14	25	3,891	GE2FUC2L011A000	GE2FUC2L044A000



GEF SAE J518 S6000

Standard

TYPE	PN	DN	A	B	C	D	E	F	G	H	I	CH	X	Y	ØK	SW	ØLW	KG	CARBON STEEL	STAINLESS STEEL
																			ITEM CODE	ITEM CODE
GEF6	6000 Psi	13	43	18	120	48,4	11	57	37	110	99,5	32	40,5	18,2	M8	9	13	1,504	GE2FFC6G011A000	GE2FFC6G044A000
GEF6	5800 Psi	20	55	23,4	136	62,5	14	73,5	45	180	106,5	41	50,8	23,8	M10	14	20	2,608	GE2FFC74011A000	GE2FFC74044A000
GEF6	5000 Psi	25	65	29,5	148	66,5	14	83,5	55	180	116,5	50	57,2	27,8	M12	14	25	3,891	GE2FFC83011A000	GE2FFC83044A000

GEF SAE J518 S6000 UNC

Standard

TYPE	PN	DN	A	B	C	D	E	F	G	H	I	CH	X	Y	ØK	SW	ØLW	KG	CARBON STEEL	STAINLESS STEEL
																			ITEM CODE	ITEM CODE
GEF6	6000 Psi	13	43	18	120	48,4	11	57	37	110	99,5	32	40,5	18,2	$5/16-18$ UNC	9	13	1,504	GE2FUC6G011A000	GE2FUC6G044A000
GEF6	5800 Psi	20	55	23,4	136	62,5	14	73,5	45	180	106,5	41	50,8	23,8	$3/8-16$ UNC	14	20	2,608	GE2FUC74011A000	GE2FUC74044A000
GEF6	5000 Psi	25	65	29,5	148	66,5	14	83,5	55	180	116,5	50	57,2	27,8	$7/16-14$ UNC	14	25	3,891	GE2FUC83011A000	GE2FUC83044A000

GES

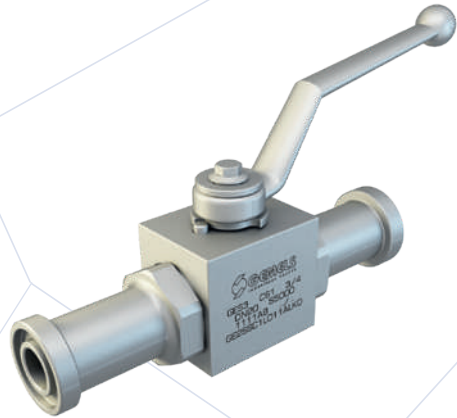
2-WAY HIGH PRESSURE BALL VALVES

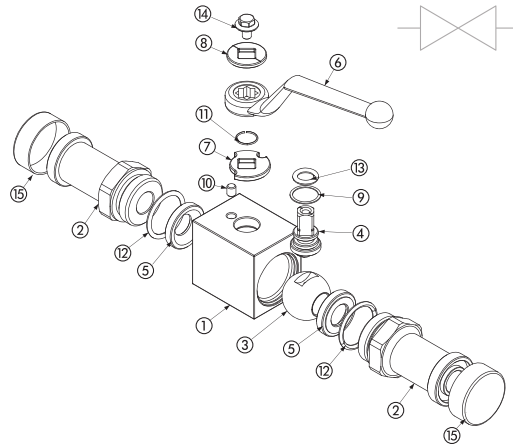
CARBON STEEL

- Type: ball valve GES 2 way
- Body: block
- Ball seats: from DN13 up to DN25
- Operating pressure: S3000 (PN210) S6000 (PN420) depending on valve size and seal materials selected
- Temp range: -20°C to +100°C depending on seal material selected

STAINLESS STEEL

- Type: ball valve GES 2 way
- Body: block
- Ball seats: from DN13 up to DN25
- Operating pressure: S3000 (PN210) S6000 (PN420) depending on valve size and seal materials selected
- Temp range: -30°C to +100°C depending on seal material selected





CARBON STEEL			
POS	DESCRIPTION	MATERIAL	Q.TY
1	Body	1,0737	1
2	Adapter	1,0737	2
3	Ball	1,0737	1
4	Stem	1,0737	1
5	Ball seat	POM	2
6	Handle	ZINC	1
7	Washer	1,0116	1
8	Washer	1,0116	1
9	Stem ring	POM	1
10	Spine	1,0737	1
11	Seeger	1,4301	1
12	Adapter o-ring	NBR	2
13	Stem o-ring	NBR	1
14	Screw	Din 6921 8.8	1
15	Caps	PVC	2

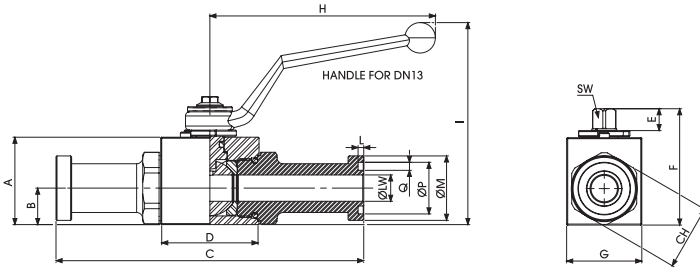
CARBON STEEL									
GE	S3	DN13	1	1	1	1	A	B	
TYPE AND WAY OF VALVE	VALVES DIMENSION OF PRESSURE (PSI) S3 S6		NOMINAL DIMENSION	BODY MATERIAL	ADAPTER MATERIAL	STEM MATERIAL	BALL MATERIAL	BALL SEAT MATERIAL	ADAPTER AND STEM SEAL MATERIAL
GE 2-way	S3000	S6000	DN13 DN20 DN25	1 1,0737	1 1,0737	1 1,0737 4 1,4404*	1 1,0737 4 1,4404*	A POM D PEEK* G PA612* K GEMPTFE* C PTFE*	B NBR E FKM* F EPDM* L MVQ*

STAINLESS STEEL			
POS	DESCRIPTION	MATERIAL	Q.TY
1	Body	1,4404	1
2	Adapter	1,4404	2
3	Ball	1,4404	1
4	Stem	1,4404	1
5	Ball seat	POM	2
6	Handle	ZINC	1
7	Washer	1,4301	1
8	Washer	1,4301	1
9	Stem ring	POM	1
10	Spine	1,4301	1
11	Seeger	1,4301	1
12	Adapter o-ring	NBR	2
13	Stem o-ring	NBR	1
14	Screw	Din 6921 A2	1
15	Caps	PVC	2

STAINLESS STEEL									
GE	S3	DN13	4	4	4	4	A	B	
TYPE AND WAY OF VALVE	VALVES DIMENSION OF PRESSURE (PSI) S3 S6		NOMINAL DIMENSION	BODY MATERIAL	ADAPTER MATERIAL	STEM MATERIAL	BALL MATERIAL	BALL SEAT MATERIAL	ADAPTER AND STEM SEAL MATERIAL
GE 2-way	S3000	S6000	DN13 DN20 DN25	4 1,4404	4 1,4404	4 1,4404	4 1,4404	A POM D PEEK* G PA612* K GEMPTFE* C PTFE*	B NBR E FKM* F EPDM* L MVQ*

- *On request:
- Reduced bore
 - Pressure class up to PN6000 Psi
 - Locking device
 - Special threads
 - Pneumatic and electrical actuator

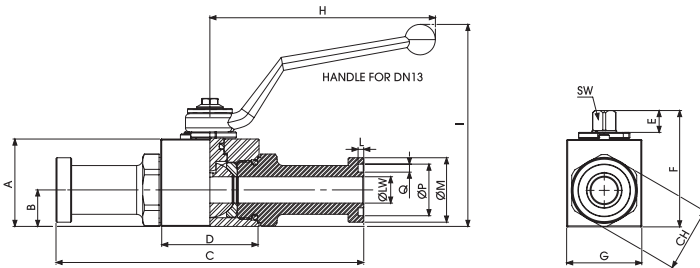
For further special requests please consult our technical/commercial service



GES SAE J518 S3000

Standard

TYPE	PN	DN	A	B	C	D	E	F	G	H	I	L	ØM	CH	ØP	Q	SW	ØLW	KG	CARBON STEEL	STAINLESS STEEL
																				ITEM CODE	ITEM CODE
GES3	5000 Psi	13	43	18	151,5	48,4	11	57	37	110	99,5	2,79	30,2	32	25,4	3,94	9	13	0,96	GE2SSC0L011A000	GE2SSC0L044A000
GES3	5000 Psi	20	55	23,4	162	62,5	14	73,5	45	180	106,5	2,79	38,1	41	31,75	3,94	14	20	1,717	GE2SSC1L011A000	GE2SSC1L044A000
GES3	5000 Psi	25	65	29,5	178	66,5	14	83,5	55	180	116,5	2,79	44,4	50	39,2	3,94	14	25	2,597	GE2SSC2L011A000	GE2SSC2L044A000



GES SAE J518 S6000

Standard

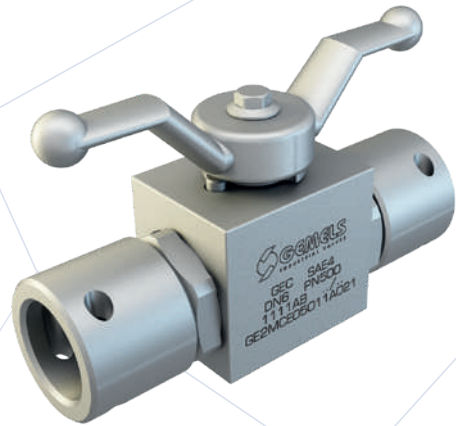
TYPE	PN	DN	A	B	C	D	E	F	G	H	I	L	ØM	CH	ØP	Q	SW	ØLW	KG	CARBON STEEL	STAINLESS STEEL
																				ITEM CODE	ITEM CODE
GES6	6000 Psi	13	43	18	151,5	48,4	11	57	37	110	99,5	2,79	31,6	32	25,4	3,94	9	13	0,956	GE2SSC6G011A000	GE2SSC6G044A000
GES6	5800 Psi	20	55	23,4	174	62,5	14	73,5	45	180	106,5	2,79	41,3	41	31,75	3,94	14	20	1,792	GE2SSC74011A000	GE2SSC74044A000
GES6	5000 Psi	25	65	29,5	198	66,5	14	83,5	55	180	116,5	2,79	47,8	50	39,2	3,94	14	25	2,759	GE2SSC83011A000	GE2SSC83044A000

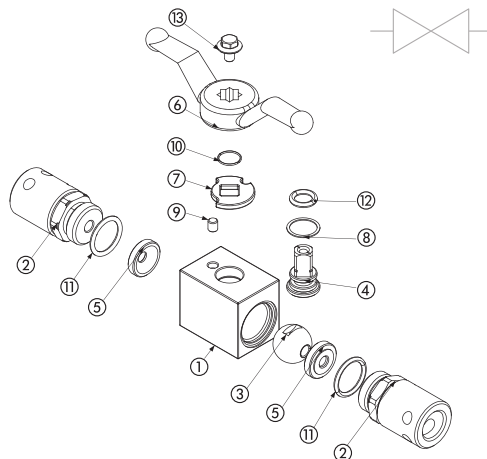
GEC

2-WAY HIGH PRESSURE BALL VALVES

CARBON STEEL

- Type: ball valve GEC 2 way
- Body: block
- Ball seats: from DN6 up to DN25
- Operating pressure: 500 Bar
depending on valve size and seal materials selected
- Temp range: -20°C to +100°C
depending on seal material selected



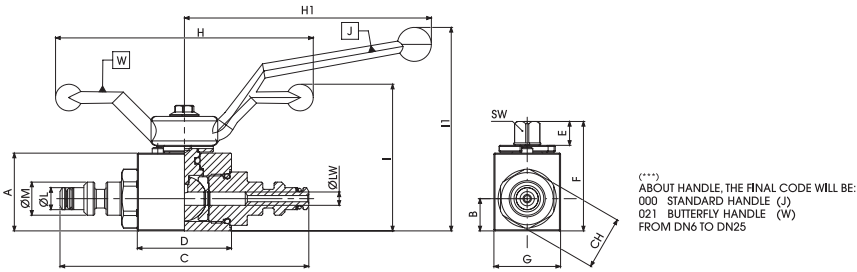


CARBON STEEL			
POS	DESCRIPTION	MATERIAL	Q.TY
1	Body	1,0737	1
2	Adapter	1,0737	2
3	Ball	1,0737	1
4	Stem	1,0737	1
5	Ball seat	POM	2
6	Handle	ZINC	1
7	Washer	1,0116	1
8	Stem ring	POM	1
9	Spine	1,0737	1
10	Seeger	1,4301	1
11	Adapter o-ring	NBR	2
12	Stem o-ring	NBR	1
13	Screw	Din 6921 8.8	1

CARBON STEEL										
GEC	SAE8 M			DN13	1	1	1	1	A	B
TYPE AND WAY OF VALVE	VALVES DIMENSION OF PRESSURE (PSI)			NOMINAL DIMENSION	BODY MATERIAL	ADAPTER MATERIAL	STEM MATERIAL	BALL MATERIAL	BALL SEAT MATERIAL	ADAPTER AND STEM SEAL MATERIAL
	MALE	FEMALE	MALE-FEMALE							
GEC 2-way	SAE4	SAE4	SAE4	DN6	1 1,0737	1 1,0737	1 1,0737	1 1,0737	A POM	B NBR
	SAE6	SAE6	SAE6	DN20			4 1,4404*	4 1,4404*	D PEEK*	E FKM*
	SAE8	SAE8	SAE8	DN10					G PA612*	F EPDM*
	SAE12	SAE12	SAE12	DN13					K GEMPTFE*	L MVQ*
	SAE16	SAE16	SAE16	DN20					C PTFE*	
				DN25						

- *On request:
- Reduced bore
 - Special threads
 - Pressure class up to PN50 Mpa
 - Pneumatic and electrical actuator
 - Locking device

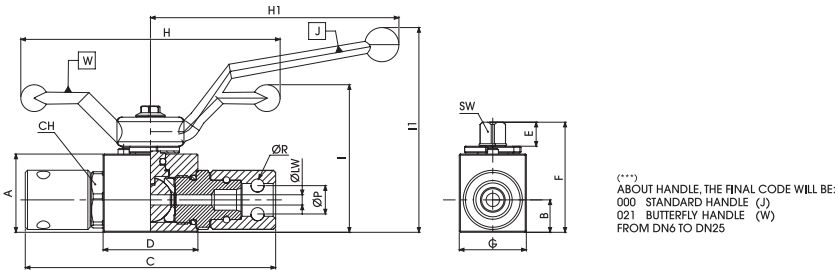
For further special requests please consult our technical/commercial service



GEC MALE SAEJ1467

Standard

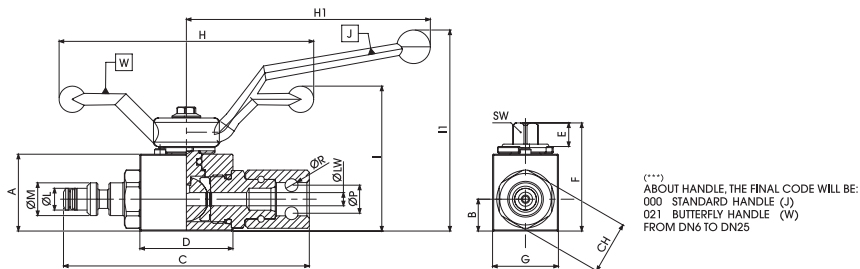
																			CARBON STEEL	
TYPE	PN	DN	A	B	C	D	E	F	G	H	H1	I	I1	OL	OM	CH	SW	OLW	KG	ITEM CODE
GEC SAE4	50 MPa	6	35	42	112	42,4	11	49	30	116	110	66	91,5	10	15	24	9	6	0,584	GE2MCE05011A(***)
GEC SAE6	50 MPa	10	40	44	115	44,4	11	54,25	35	116	110	71	96,5	14	20	30	9	10	0,766	GE2MCE15011A(***)
GEC SAE8	50 MPa	13	43	48	117	48,4	11	57	37	116	110	74	99,5	18	24	32	9	13	0,891	GE2MCE25011A(***)
GEC SAE12	40 MPa	20	55	62	133	62,5	14	73,5	45	116	180	87	106,5	24	29	41	14	20	1,565	GE2MCE34011A(***)
GEC SAE16	35 MPa	25	65	66,5	151,5	66,5	14	83,5	55	116	180	97	116,5	31	39	50	14	25	2,396	GE2MCE43011A(***)



GEC FEMALE SAEJ1467

Standard

																			CARBON STEEL	
TYPE	PN	DN	A	B	C	D	E	F	G	H	H1	I	I1	CH	OP	OR	SW	OLW	KG	ITEM CODE
GEC SAE4	50 MPa	6	35	42	112	42,4	11	49	30	116	110	66	91,5	24	13	6	9	6	0,584	GE2FCE05011A(***)
GEC SAE6	50 MPa	10	40	44	115	44,4	11	54,25	35	116	110	71	96,5	30	18	6	9	10	0,766	GE2FCE15011A(***)
GEC SAE8	50 MPa	13	43	48	117	48,4	11	57	37	116	110	74	99,5	32	22	6	9	13	0,891	GE2FCE25011A(***)
GEC SAE12	40 MPa	20	55	62	133	62,5	14	73,5	45	116	180	87	106,5	41	27	6	14	20	1,565	GE2FCE34011A(***)
GEC SAE16	35 MPa	25	65	66,5	151,5	66,5	14	83,5	55	116	180	97	116,5	50	36	8,5	14	25	2,396	GE2FCE43011A(***)



GEC MALE FEMALE SAEJ1467

Standard

TYPE	PN	DN	A	B	C	D	E	F	G	H	H1	I	I1	ØL	ØM	CH	ØP	ØR	SW	ØLW	KG	CARBON STEEL
																						ITEM CODE
GEC SAE4	50 MPa	6	35	42	112	42,4	11	49	30	116	110	66	91,5	10	15	24	13	6	9	6	0,584	GE2MFE05011A(***)
GEC SAE6	50 MPa	10	40	44	115	44,4	11	54,25	35	116	110	71	96,5	14	20	30	18	6	9	10	0,766	GE2MFE15011A(***)
GEC SAE8	50 MPa	13	43	48	117	48,4	11	57	37	116	110	74	99,5	18	24	32	22	6	9	13	0,891	GE2MFE25011A(***)
GEC SAE12	40 MPa	20	55	62	133	62,5	14	73,5	45	116	180	87	106,5	24	29	41	27	6	14	20	1,565	GE2MFE34011A(***)
GEC SAE16	35 MPa	25	65	66,5	151,5	66,5	14	83,5	55	116	180	97	116,5	31	39	50	36	8,5	14	25	2,396	GE2MFE43011A(***)

GB

GB1 - GB2 - GB3 - GBF
GBS - GBC



GB1

2-WAY HIGH PRESSURE BALL VALVES

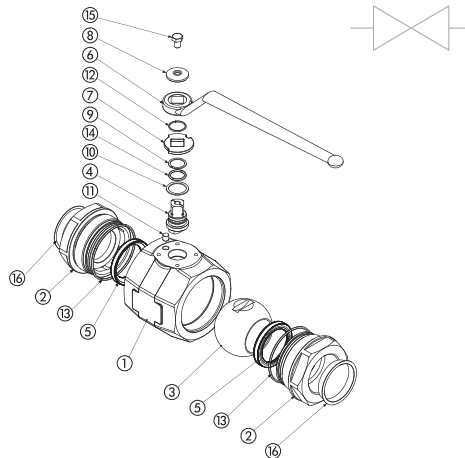
CARBON STEEL

- Type: ball valve GB 2 way
- Body: forged
- Ball seats: from DN32 up to DN50
- Operating pressure: 420 Bar
depending on valve size and seal materials selected
- Temp range: -30°C to +100°C
depending on seal material selected (body -46°C)

STAINLESS STEEL

- Type: ball valve GB 2 way
- Body: forged
- Ball seats: from DN32 up to DN50
- Operating pressure: 420 Bar
depending on valve size and seal materials selected
- Temp range: -30°C to +100°C
depending on seal material selected





CARBON STEEL			
POS	DESCRIPTION	MATERIAL	Q.TY
1	Body	1,0570	1
2	Adapter	1,0570	2
3	Ball	1,0737	1
4	Stem	1,0737	1
5	Ball seat	POM	2
6	Handle	1,0116	1
7	Washer	1,0116	1
8	Washer	1,0737	1
9	Back-up	PTFE	1
10	Stem ring	POM	1
11	Pin	1,0737	1
12	Seeger	1,4301	1
13	Adapter o-ring	NBR	4
14	Stem o-ring	NBR	1
15	Screw	ISO4017 8.8	1
16	Caps	PVC	2

CARBON STEEL										
GB1	G1½	DN32	L	L	1	1	A	B		
TYPE AND WAY OF VALVE	GAS DIN/ ISO 228 BSP	NPT ANSI/ ASME B1.20.1	SAE J1926-1	NOMINAL DIMENSION	BODY MATERIAL	ADAPTER MATERIAL	STEM MATERIAL	BALL MATERIAL	BALL SEAT MATERIAL	ADAPTER AND STEM SEAL MATERIAL
GB1 2-way	G 1 ¼ G 1 ½ G 2	N 1 ¼ N 1 ½ N 2	SAE20 SAE24 SAE32	DN32 DN40 DN50	L 1,0570	L 1,0570	1 1,0737 4 1,4404*	1 1,0737 4 1,4404*	A POM D PEEK* G PA612* K GEMPTFE* C PTFE*	B NBR E FKM* F EPDM* L MVQ*

STAINLESS STEEL			
POS	DESCRIPTION	MATERIAL	Q.TY
1	Body	1,4404	1
2	Adapter	1,4404	2
3	Ball	1,4404	1
4	Stem	1,4301	1
5	Ball seat	POM	2
6	Handle	1,4031	1
7	Washer	1,4031	1
8	Washer	1,4031	1
9	Back-up	PTFE	1
10	Stem ring	POM	1
11	Pin	1,4404	1
12	Seeger	1,4301	1
13	Adapter o-ring	NBR	4
14	Stem o-ring	NBR	1
15	Screw	ISO4017 A2	1
16	Caps	PVC	2

STAINLESS STEEL										
GB1	G1½	DN32	4	4	4	4	A	B		
TYPE AND WAY OF VALVE	GAS DIN/ ISO 228 BSP	NPT ANSI/ ASME B1.20.1	SAE J1926-1	NOMINAL DIMENSION	BODY MATERIAL	ADAPTER MATERIAL	STEM MATERIAL	BALL MATERIAL	BALL SEAT MATERIAL	ADAPTER AND STEM SEAL MATERIAL
GB1 2-way	G 1 ¼ G 1 ½ G 2	N 1 ¼ N 1 ½ N 2	SAE20 SAE24 SAE32	DN32 DN40 DN50	4 1,4404	4 1,4404	4 1,4404	4 1,4404	A POM D PEEK* G PA612* K GEMPTFE* C PTFE*	B NBR E FKM* F EPDM* L MVQ*

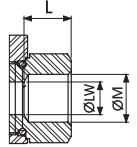
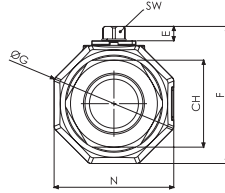
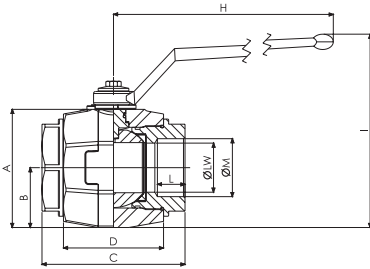
*On request:

- Reduced bore
- Special threads

- Pressure class up to PN42 MPa
- Pneumatic and electrical actuator

- Security block
- Locking device

For further special requests please consult our technical/commercial service



GB1 DIN/ISO 228 BSP

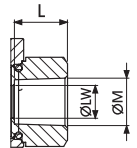
Standard

TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	L	ØM	N	CH	SW	ØLW	KG	CARBON STEEL	STAINLESS STEEL
																			ITEM CODE	ITEM CODE
GB1 G 1 1/4	42 MPa	32	89	42,5	115	75	14	107,5	92	310	162,5	24	G 1 1/4	85	70	17	32	4,489	GB1GGT6G0L1A000	GB1GGT6G044A000
GB1 G 1 1/2	42 MPa	40	106	52,5	131	85	14	124,5	113	310	179,5	25	G 1 1/2	105	80	17	40	6,750	GB1GGT7G0L1A000	GB1GGT7G044A000
GB1 G 2	42 MPa	50	115,5	58,5	140	97,85	14	134	126	310	189	27	G 2	117	85	17	50	8,708	GB1GGT8G0L1A000	GB1GGT8G044A000

GB1 ANSI/ASME B1.20.1 NPT

Standard

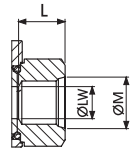
TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	L	ØM	N	CH	SW	ØLW	KG	CARBON STEEL	STAINLESS STEEL
																			ITEM CODE	ITEM CODE
GB1 N 1 1/4	42 MPa	32	89	42,5	115	75	14	107,5	92	310	162,5	24	N 1 1/4	85	70	17	32	4,489	GB1NNT6G0L1A000	GB1NNT6G044A000
GB1 N 1 1/2	42 MPa	40	106	52,5	131	85	14	124,5	113	310	179,5	25	N 1 1/2	105	80	17	40	6,774	GB1NNT7G0L1A000	GB1NNT7G044A000
GB1 N 2	42 MPa	50	115,5	58,5	140	97,85	14	134	126	310	189	27	N 2	117	85	17	50	8,708	GB1NNT8G0L1A000	GB1NNT8G044A000



GB1 SAE J1926-1

Standard

TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	L	ØM	N	CH	SW	ØLW	KG	CARBON STEEL	STAINLESS STEEL
																			ITEM CODE	ITEM CODE
GB1 SAE20	42 MPa	32	89	42,5	115	75	14	107,5	92	310	162,5	24	1 5/8 UNF	85	70	17	32	4,489	GB1EEE5G0L1A000	GB1EEE5G044A000
GB1 SAE24	42 MPa	40	106	52,5	131	85	14	124,5	113	310	179,5	25	1 7/8 UNF	105	80	17	40	6,822	GB1EEE6G0L1A000	GB1EEE6G044A000
GB1 SAE32	42 MPa	50	115,5	58,5	140	97,85	14	134	126	310	189	27	2 1/2 UNF	117	85	17	50	8,708	GB1EEE7G0L1A000	GB1EEE7G044A000



GB2

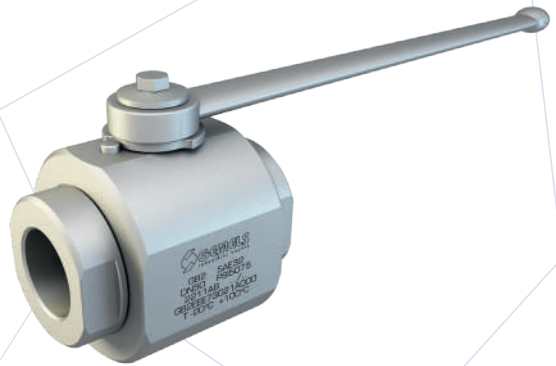
2-WAY HIGH PRESSURE BALL VALVES

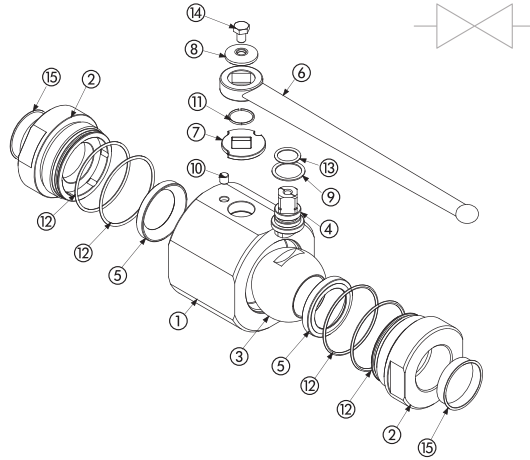
CARBON STEEL

- Type: ball valve GB 2 way
- Body: round
- Ball seats: from DN32 up to DN50
- Operating pressure: 350 Bar
depending on valve size and seal materials selected
- Temp range: -20°C to +100°C
depending on seal material selected

STAINLESS STEEL

- Type: ball valve GB 2 way
- Body: round
- Ball seats: from DN32 up to DN50
- Operating pressure: 350 Bar
depending on valve size and seal materials selected
- Temp range: -30°C to +100°C
depending on seal material selected





CARBON STEEL			
POS	DESCRIPTION	MATERIAL	Q.TY
1	Body	1,0570	1
2	Adapter	1,0570	2
3	Ball	1,0737	1
4	Stem	1,0737	1
5	Ball seat	POM	2
6	Handle	1,0116	1
7	Washer	1,0116	1
8	Washer	1,0737	1
9	Stem ring	POM	1
10	Spine	1,0737	1
11	Seeger	1,4301	1
12	Adapter o-ring	NBR	4
13	Stem o-ring	NBR	1
14	Screw	ISO4017 8.8	1
15	Caps	PVC	2

CARBON STEEL												
GB2		G1½		DN32		2	2	1	1	A	B	
TYPE AND WAY OF VALVE	GAS DIN/ ISO 228 BSP	NPT ANSI/ ASME B1.20.1	SAE J1926-1	DIN 2353 HEAVY SERIES	DIN 2353 LIGHT SERIES	NOMINAL DIMENSION	BODY MATERIAL	ADAPTER MATERIAL	STEM MATERIAL	BALL MATERIAL	BALL SEAT MATERIAL	ADAPTER AND STEM SEAL MATERIAL
GB2 2-way	G 1 ¼	N 1 ¼	SAE20	38S	35L	DN32	2 1,0570	2 1,0570	1 1,0737	1 1,0737	A POM	B NBR
	G 1 ½	N 1 ½	SAE24		42L	DN40			4 1,4404*	4 1,4404*	D PEEK*	E FKM*
	G 2R	N 2R	SAE32			DN50					G PA612*	F EPDM*
	G 2	N 2									K GEMPTFE*	L MVQ*
											C PTFE*	

STAINLESS STEEL			
POS	DESCRIPTION	MATERIAL	Q.TY
1	Body	1,4404	1
2	Adapter	1,4404	2
3	Ball	1,4404	1
4	Stem	1,4301	1
5	Ball seat	POM	2
6	Handle	1,4031	1
7	Washer	1,4031	1
8	Washer	1,4031	1
9	Stem ring	POM	1
10	Spine	1,4301	1
11	Seeger	1,4301	1
12	Adapter o-ring	NBR	4
13	Stem o-ring	NBR	1
14	Screw	ISO4017 A2	1
15	Caps	PVC	2

STAINLESS STEEL												
GB2		G1½		DN32		4	4	4	4	A	B	
TYPE AND WAY OF VALVE	GAS DIN/ ISO 228 BSP	NPT ANSI/ ASME B1.20.1	SAE J1926-1	DIN 2353 HEAVY SERIES	DIN 2353 LIGHT SERIES	NOMINAL DIMENSION	BODY MATERIAL	ADAPTER MATERIAL	STEM MATERIAL	BALL MATERIAL	BALL SEAT MATERIAL	ADAPTER AND STEM SEAL MATERIAL
GB2 2-way	G 1 ¼	N 1 ¼	SAE20	38S	35L	DN32	4 1,4404	4 1,4404	4 1,4404	4 1,4404	A POM	B NBR
	G 1 ½	N 1 ½	SAE24		42L	DN40					D PEEK*	E FKM*
	G 2R	N 2R	SAE32			DN50					G PA612*	F EPDM*
	G 2	N 2									K GEMPTFE*	L MVQ*
											C PTFE*	

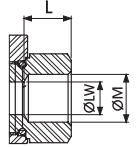
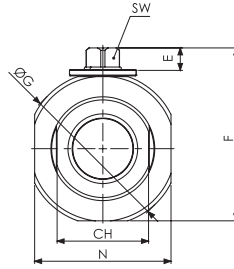
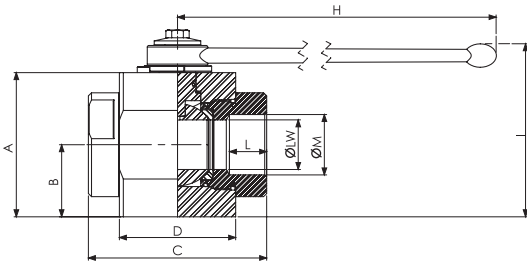
*On request:

- Reduced bore
- Special threads

- Pressure class up to PN35 MPa
- Pneumatic and electrical actuator

- Security block
- Locking device

For further special requests please consult our technical/commercial service



GB2 DIN/ISO 228 BSP

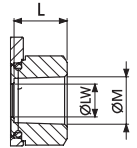
Standard

TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	L	ØM	N	CH	SW	ØLW	KG	CARBON STEEL	STAINLESS STEEL
																			ITEM CODE	ITEM CODE
GB2 G 1 1/4	35 MPa	32	93	46,5	115	75	13,5	111,5	98	300	120,5	24	G 1 1/4	88	60	17	32	6,975	GB2GGT63021A000	GB2GGT63044A000
GB2 G 1 1/2	35 MPa	40	107	53,5	131	85	13,5	125,5	113	300	134,5	25	G 1 1/2	102	75	17	40	7,393	GB2GGT73021A000	GB2GGT73044A000
GB2 G 2R	35 MPa	40	107	53,5	131	85	13,5	125,5	113	300	134,5	25	G 2	102	75	17	40	6,975	GB2GGR83021A000	GB2GGR83044A000
GB2 G 2	35 MPa	50	114	57	140	98	13,5	132,5	123	300	141,5	27	G 2	118	85	17	50	9,046	GB2GGT83021A000	GB2GGT83044A000

GB2 ANSI/ASME B1.20.1 NPT

Standard

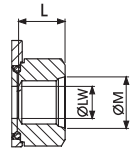
TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	L	ØM	N	CH	SW	ØLW	KG	CARBON STEEL	STAINLESS STEEL
																			ITEM CODE	ITEM CODE
GB2 N 1 1/4	35 MPa	32	93	46,5	115	75	13,5	111,5	98	300	120,5	24	N 1 1/4	88	60	17	32	6,975	GB2NNT63021A000	GB2NNT63044A000
GB2 N 1 1/2	35 MPa	40	107	53,5	131	85	13,5	125,5	113	300	134,5	25	N 1 1/2	102	75	17	40	7,393	GB2NNT73021A000	GB2NNT73044A000
GB2 N 2R	35 MPa	40	107	53,5	131	85	13,5	125,5	113	300	134,5	25	N 2	102	75	17	40	6,975	GB2NNR83021A000	GB2NNR83044A000
GB2 N 2	35 MPa	50	114	57	140	98	13,5	132,5	123	300	141,5	27	N 2	118	85	17	50	9,046	GB2NNT83021A000	GB2NNT83044A000

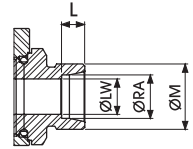
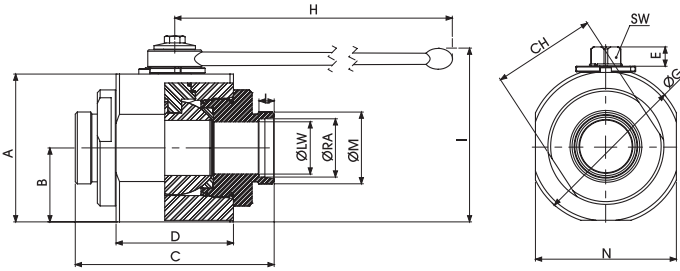


GB2 SAE J1926-1

Standard

TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	L	ØM	N	CH	SW	ØLW	KG	CARBON STEEL	STAINLESS STEEL
																			ITEM CODE	ITEM CODE
GB2 SAE20	35 MPa	32	93	46,5	115	75	13,5	111,5	98	300	120,5	24	1 5/8 UNF	88	60	17	32	6,975	GB2EEE53021A000	GB2EEE53044A000
GB2 SAE24	35 MPa	40	107	53,5	131	85	13,5	125,5	113	300	134,5	25	1 7/8 UNF	102	75	17	40	7,393	GB2EEE63021A000	GB2EEE63044A000
GB2 SAE32	35 MPa	50	114	57	140	98	13,5	132,5	123	300	141,5	27	2 1/2 UNF	118	85	17	50	9,046	GB2EEE73021A000	GB2EEE73044A000





GB2 DIN 2353 HEAVY SERIES

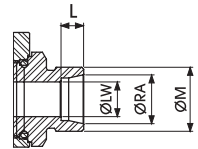
Standard

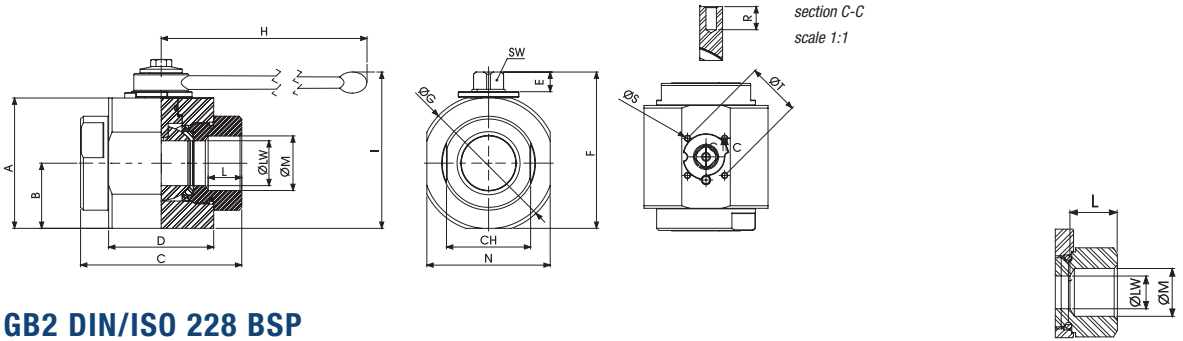
TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	L	ØM	N	CH	SW	ØLW	ØRA	KG	CARBON STEEL	STAINLESS STEEL
																				ITEM CODE	ITEM CODE
GB2 38S	35 MPa	32	93	46,5	146	75	13,5	111,5	98	300	120,5	16	M52x2	88	60	17	32	38,3	5,229	GB2DDS93021A000	GB2DDS93044A000

GB2 DIN 2353 LIGHT SERIES

Standard

TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	L	ØM	N	CH	SW	ØLW	ØRA	KG	CARBON STEEL	STAINLESS STEEL
																				ITEM CODE	ITEM CODE
GB2 35L	35 MPa	32	93	46,5	135	75	13,5	111,5	98	300	120,5	10,5	M45x2	88	60	17	32	35,3	5,079	GB2DDLA3021A000	GB2DDLA3044A000
GB2 42L	35 MPa	40	107	53,5	144	85	13,5	125,5	113	300	134,5	11	M52x2	102	75	17	40	42,3	7,144	GB2DDL3021A000	GB2DDL3044A000





GB2 DIN/ISO 228 BSP

Fixing holes DIN/ISO5211

TYPE	PN	DN	A	B	C	D	E	F	ØG	I	L	ØM	N	CH	R	ØS	ØT	SW	ØLW	KG	CARBON STEEL	STAINLESS STEEL
																					ITEM CODE	ITEM CODE
GB2 G 1 1/4	35 MPa	32	93	46,5	115	75	13,5	111,5	98	120,5	24	G 1 1/4	88	60	11	M6	50	17	32	6,975	GB2GGT63021AF50	GB2GGT63044AF50
GB2 G 1 1/2	35 MPa	40	107	53,5	131	85	13,5	125,5	113	134,5	25	G 1 1/2	102	75	11	M6	50	17	40	7,393	GB2GGT73021AF50	GB2GGT73044AF50
GB2 G 2R	35 MPa	40	107	53,5	131	85	13,5	125,5	113	134,5	25	G 2	102	75	11	M6	50	17	40	6,975	GB2GGR83021AF50	GB2GGR83044AF50
GB2 G 2	35 MPa	50	114	57	140	98	13,5	132,5	123	141,5	27	G 2	118	85	11	M6	50	17	50	9,046	GB2GGT83021AF50	GB2GGT83044AF50

GB2 ANSI/ASME B1.20.1 NPT

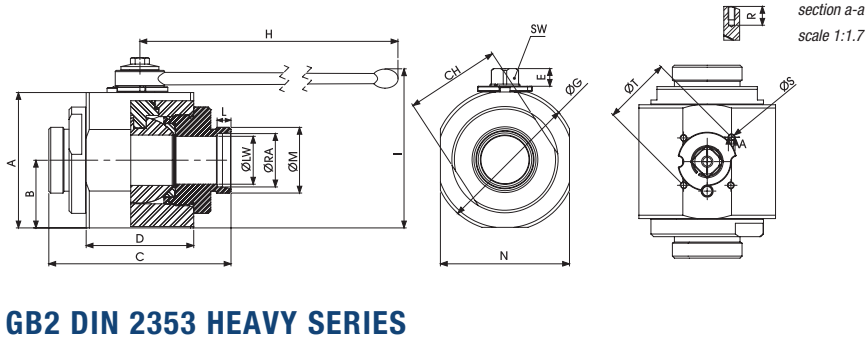
Fixing holes DIN/ISO5211

TYPE	PN	DN	A	B	C	D	E	F	ØG	I	L	ØM	N	CH	R	ØS	ØT	SW	ØLW	KG	CARBON STEEL	STAINLESS STEEL
																					ITEM CODE	ITEM CODE
GB2 N 1 1/4	35 MPa	32	93	46,5	115	75	13,5	111,5	98	120,5	24	N 1 1/4	88	60	11	M6	50	17	32	6,975	GB2NNT63021AF50	GB2NNT63044AF50
GB2 N 1 1/2	35 MPa	40	107	53,5	131	85	13,5	125,5	113	134,5	25	N 1 1/2	102	75	11	M6	50	17	40	7,393	GB2NNT73021AF50	GB2NNT73044AF50
GB2 N 2R	35 MPa	40	107	53,5	131	85	13,5	125,5	113	134,5	25	N 2	102	75	11	M6	50	17	40	6,975	GB2NNR83021AF50	GB2NNR83044AF50
GB2 N 2	35 MPa	50	114	57	140	98	13,5	132,5	123	141,5	27	N 2	118	85	11	M6	50	17	50	9,046	GB2NNT83021AF50	GB2NNT83044AF50

GB2 SAE J1926-1

Fixing holes DIN/ISO5211

TYPE	PN	DN	A	B	C	D	E	F	ØG	I	L	ØM	N	CH	R	ØS	ØT	SW	ØLW	KG	CARBON STEEL	STAINLESS STEEL
																					ITEM CODE	ITEM CODE
GB2 SAE20	35 MPa	32	93	46,5	115	75	13,5	111,5	98	120,5	24	1 5/8 UNF	88	60	11	M6	50	17	32	6,975	GB2EEE53021AF50	GB2EEE53044AF50
GB2 SAE24	35 MPa	40	107	53,5	131	85	13,5	125,5	113	134,5	25	1 7/8 UNF	102	75	11	M6	50	17	40	7,393	GB2EEE63021AF50	GB2EEE63044AF50
GB2 SAE32	35 MPa	50	114	57	140	98	13,5	132,5	123	300	141,5	2 1/2 UNF	118	85	11	M6	50	17	50	9,046	GB2EEE73021AF50	GB2EEE73044AF50



GB2 DIN 2353 HEAVY SERIES

Fixing holes DIN/ISO5211

TYPE	PN	DN	A	B	C	D	E	F	ØG	I	L	ØM	N	CH	R	ØS	ØT	SW	ØLW	ØRA	KG	MATERIAL	
																						CARBON STEEL	ITEM CODE
GB2 38S	35 MPa	32	93	46,5	146	75	13,5	111,5	98	120,5	16	M52x2	88	60	11	M6	50	17	32	38,3	5,229	GB2DDS93021AF50	GB2DDS93044AF50

GB2 DIN 2353 LIGHT SERIES

Fixing holes DIN/ISO5211

TYPE	PN	DN	A	B	C	D	E	F	ØG	I	L	ØM	N	CH	R	ØS	ØT	SW	ØLW	ØRA	KG	MATERIAL	
																						CARBON STEEL	ITEM CODE
GB2 35L	35 MPa	32	93	46,5	135	75	13,5	111,5	98	120,5	10,5	M45x2	88	60	11	M6	50	17	32	35,3	5,079	GB2DDLA3021AF50	GB2DDLA3044AF50
GB2 42L	35 MPa	40	107	53,5	144	85	13,5	125,5	113	134,5	11	M52x2	102	75	11	M6	50	17	40	42,3	7,144	GB2DDL83021AF50	GB2DDL83044AF50

GB3

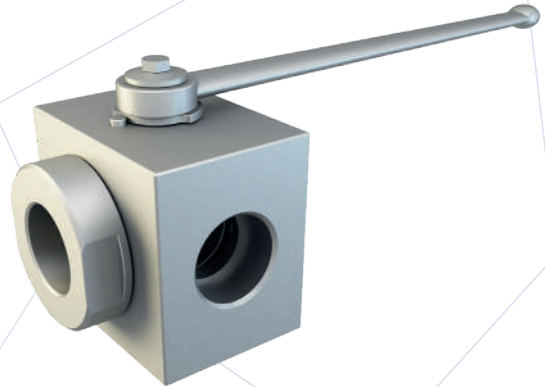
3-WAY HIGH PRESSURE BALL VALVES

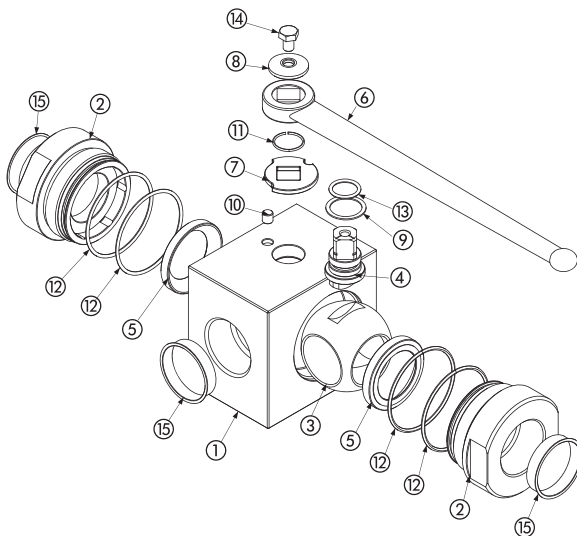
CARBON STEEL

- Type: ball valve GB 3 way
- Body: square
- Ball seats: from DN32 up to DN50
- Operating pressure: 350 Bar
depending on valve size and seal materials selected
- Temp range: -20°C to +100°C
depending on seal material selected

STAINLESS STEEL

- Type: ball valve GB 3 way
- Body: square
- Ball seats: from DN32 up to DN50
- Operating pressure: 350 Bar
depending on valve size and seal materials selected
- Temp range: -30°C to +100°C
depending on seal material selected





CARBON STEEL

POS	DESCRIPTION	MATERIAL	Q.TY
1	Body	1,0570	1
2	Adapter	1,0570	2
3	Ball	1,0737	1
4	Stem	1,0737	1
5	Ball seat	POM	2
6	Handle	1,0116	1
7	Washer	1,0116	1
8	Washer	1,0116	1
9	Stem ring	POM	1
10	Spine	1,0737	1
11	Seeger	1,4301	1
12	Adapter o-ring	NBR	4
13	Stem o-ring	NBR	1
14	Screw	ISO4017 8.8	1
15	Caps	PVC	3

GB3	G1½	DN40	2	2	1	1	A	B	
TYPE AND WAY OF VALVE	GAS DIN/ ISO 228 BSP	NPT ANSI/ ASME B1.20.1	NOMINAL DIMENSION	BODY MATERIAL	ADAPTER MATERIAL	STEM MATERIAL	BALL MATERIAL	BALL SEAT MATERIAL	ADAPTER AND STEM SEAL MATERIAL
GB3 3-way	G 1 ½ G 1 ½ G 2	N 1 ½ N 1 ½ N 2	DN32 DN40 DN50	2 1,0570	2 1,0570	1 1,0737 4 1,4404*	1 1,0737 4 1,4404*	A POM D PEEK* G PA612* K GEMPTFE* C PTFE*	B NBR E FKM* F EPDM* L MVO*

STAINLESS STEEL

POS	DESCRIPTION	MATERIAL	Q.TY
1	Body	1,4404	1
2	Adapter	1,4404	2
3	Ball	1,4404	1
4	Stem	1,4404	1
5	Ball seat	POM	2
6	Handle	1,4301	1
7	Washer	1,4301	1
8	Washer	1,4301	1
9	Stem ring	POM	1
10	Spine	1,4301	1
11	Seeger	1,4301	1
12	Adapter o-ring	NBR	4
13	Stem o-ring	NBR	1
14	Screw	ISO4017 A2	1
15	Caps	PVC	3

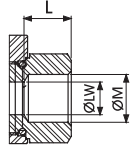
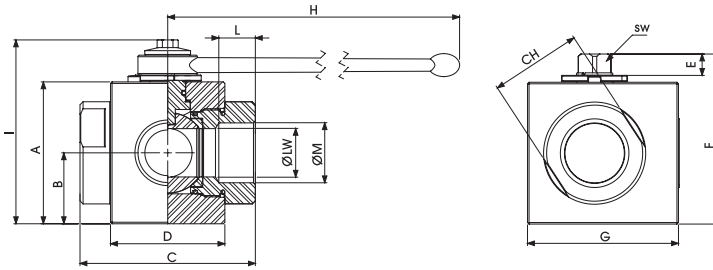
GB3	G1½	DN40	4	4	4	4	A	B	
TYPE AND WAY OF VALVE	GAS DIN/ ISO 228 BSP	NPT ANSI/ ASME B1.20.1	NOMINAL DIMENSION	BODY MATERIAL	ADAPTER MATERIAL	STEM MATERIAL	BALL MATERIAL	BALL SEAT MATERIAL	ADAPTER AND STEM SEAL MATERIAL
GB3 3-way	G 1 ½ G 1 ½ G 2	N 1 ½ N 1 ½ N 2	DN32 DN40 DN50	4 1,4404	4 1,4404	4 1,4404	4 1,4404	A POM D PEEK* G PA612* K GEMPTFE* C PTFE*	B NBR E FKM* F EPDM* L MVO*

*On request: • Reduced bore
• Special threads

• Pressure class up to PN35 MPa
• Pneumatic and electrical actuator

• Locking device

For further special requests please consult our technical/commercial service



GB3 DIN/ISO 228 BSP

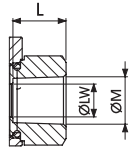
Standard

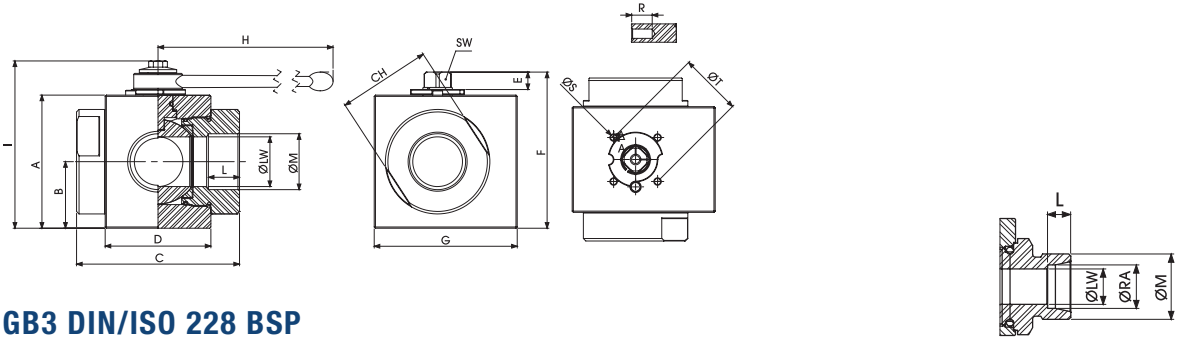
TYPE	PN	DN	A	B	C	D	E	F	G	H	I	L	ØM	CH	SW	ØLW	KG	CARBON STEEL	STAINLESS STEEL
																		ITEM CODE	ITEM CODE
GB3 G 1 1/4	35 MPa	32	93	46,5	115	75	13,5	111,5	99	300	120,5	24	G 1 1/4	60	17	32	5,725	GB3GGT63021A000	GB3GGT63044A000
GB3 G 1 1/2	35 MPa	40	107	53,5	131	85	13,5	125,5	115	300	134,5	25	G 1 1/2	75	17	40	8,632	GB3GGT73021A000	GB3GGT73044A000
GB3 G 2	35 MPa	50	114	57	140	98	13,5	132,5	128	300	141,5	27	G 2	85	17	50	10,607	GB3GGT83021A000	GB3GGT83044A000

GB3 DIN/ISO 228 BSP

Standard

TYPE	PN	DN	A	B	C	D	E	F	G	H	I	L	ØM	CH	SW	ØLW	KG	CARBON STEEL	STAINLESS STEEL
																		ITEM CODE	ITEM CODE
GB3 N 1 1/4	35 MPa	32	93	46,5	115	75	13,5	111,5	99	300	120,5	24	N 1 1/4	60	17	32	5,725	GB3NNT63021A000	GB3NNT63044A000
GB3 N 1 1/2	35 MPa	40	107	53,5	131	85	13,5	125,5	115	300	134,5	25	N 1 1/2	75	17	40	8,632	GB3NNT73021A000	GB3NNT73044A000
GB3 N 2	35 MPa	50	114	57	140	98	13,5	132,5	128	300	141,5	27	N 2	85	17	50	10,607	GB3NNT83021A000	GB3NNT83044A000





GB3 DIN/ISO 228 BSP

Fixing holes DIN/ISO5211

TYPE	PN	DN	A	B	C	D	E	F	G	H	I	L	ØM	CH	R	ØS	ØT	ISO5211	SW	ØLW	KG	CARBON STEEL	STAINLESS STEEL
																						ITEM CODE	ITEM CODE
GB3 G 1 1/4	35 MPa	32	93	46,5	115	75	13,5	111,5	99	300	120,5	24	G 1 1/4	60	11	M6	50	F05	17	32	5,725	GB3GGT63021AF50	GB3GGT63044AF50
GB3 G 1 1/2	35 MPa	40	107	53,5	131	85	13,5	125,5	115	300	134,5	25	G 1 1/2	75	11	M6	50	F05	17	40	8,632	GB3GGT73021AF50	GB3GGT73044AF50
GB3 G 2	35 MPa	50	114	57	140	98	13,5	132,5	128	300	141,5	27	G 2	85	11	M6	50	F05	17	50	10,607	GB3GGT83021AF50	GB3GGT83044AF50

GB3 ANSI/ASME B1.20.1 NPT

Fixing holes DIN/ISO5211

TYPE	PN	DN	A	B	C	D	E	F	G	H	I	L	ØM	CH	R	ØS	ØT	ISO5211	SW	ØLW	KG	CARBON STEEL	STAINLESS STEEL
																						ITEM CODE	ITEM CODE
GB3 N 1 1/4	35 MPa	32	93	46,5	115	75	13,5	111,5	99	300	120,5	24	N 1 1/4	60	11	M6	50	F05	17	32	5,725	GB3NNT63021AF50	GB3NNT63044AF50
GB3 N 1 1/2	35 MPa	40	107	53,5	131	85	13,5	125,5	115	300	134,5	25	N 1 1/2	75	11	M6	50	F05	17	40	8,632	GB3NNT73021AF50	GB3NNT73044AF50
GB3 N 2	35 MPa	50	114	57	140	98	13,5	132,5	128	300	141,5	27	N 2	85	11	M6	50	F05	17	50	10,607	GB3NNT83021AF50	GB3NNT83044AF50

GBF

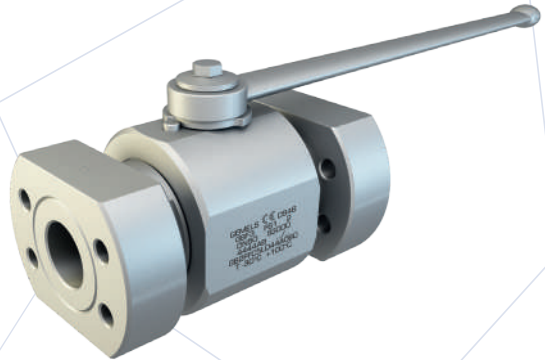
2-WAY HIGH PRESSURE BALL VALVES

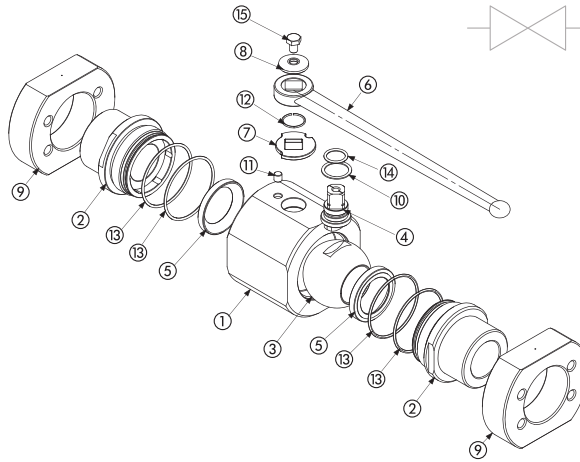
CARBON STEEL

- Type: ball valve GB 2 way
- Body: forged
- Ball seats: from DN32 up to DN50
- Operating pressure: S3000 (210 bar), S6000 (420 bar) depending on valve size and seal materials selected
- Temp range: -20°C to +100°C depending on seal material selected

STAINLESS STEEL

- Type: ball valve GB 2 way
- Body: forged
- Ball seats: from DN32 up to DN50
- Operating pressure: S3000 (210 bar), S6000 (420 bar) depending on valve size and seal materials selected
- Temp range: -30°C to +100°C depending on seal material selected





CARBON STEEL			
POS	DESCRIPTION	MATERIAL	Q.TY
1	Body	1,0570	1
2	Adapter	1,0570	2
3	Ball	1,0737	1
4	Stem	1,0737	1
5	Ball seat	POM	2
6	Handle	1,0116	1
7	Washer	1,0116	1
8	Washer	1,0737	1
9	Flange	1,0570	2
10	Stem ring	POM	1
11	Spine	1,0737	1
12	Seeger	1,4301	1
13	Adapter o-ring	NBR	4
14	Stem o-ring	NBR	1
15	Screw	ISO4017 8.8	1

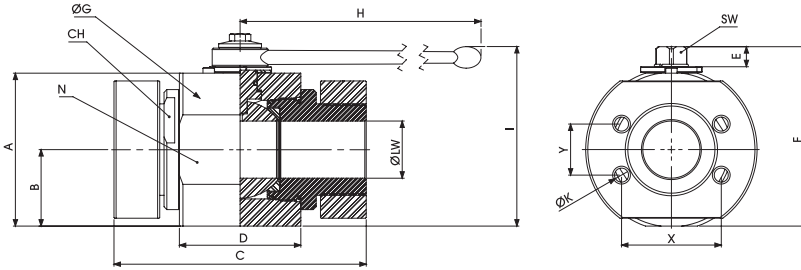
CARBON STEEL										
GB	F3	DN32	2	2	1	1	A	B		
TYPE AND WAY OF VALVE	VALVES DIMENSION OF PRESSURE (PSI) F3 F6		NOMINAL DIMENSION	BODY MATERIAL	ADAPTER MATERIAL	STEM MATERIAL	BALL MATERIAL	BALL SEAT MATERIAL	ADAPTER AND STEM SEAL MATERIAL	
GB 2-way	S3000	S6000	DN32 DN40 DN50	2 1,0570	2 1,0570	1 1,0737 4 1,4404*	1 1,0737 4 1,4404*	A POM D PEEK* G PA612* K GEMPTFE* C PTFE*	B NBR E FKM* F EPDM* L MVQ*	

STAINLESS STEEL			
POS	DESCRIPTION	MATERIAL	Q.TY
1	Body	1,4404	1
2	Adapter	1,4404	2
3	Ball	1,4404	1
4	Stem	1,4301	1
5	Ball seat	POM	2
6	Handle	1,4301	1
7	Washer	1,4301	1
8	Washer	1,4301	1
9	Flange	1,4044	2
10	Stem ring	POM	1
11	Spine	1,4301	1
12	Seeger	1,4301	1
13	Adapter o-ring	NBR	4
14	Stem o-ring	NBR	1
15	Screw	ISO4017 A2	1

STAINLESS STEEL										
GB	F3	DN32	4	4	4	4	A	B		
TYPE AND WAY OF VALVE	VALVES DIMENSION OF PRESSURE (PSI) F3 F6		NOMINAL DIMENSION	BODY MATERIAL	ADAPTER MATERIAL	STEM MATERIAL	BALL MATERIAL	BALL SEAT MATERIAL	ADAPTER AND STEM SEAL MATERIAL	
GB 2-way	S3000	S6000	DN32 DN40 DN50	4 1,4404	4 1,4404	4 1,4404	4 1,4404	A POM D PEEK* G PA612* K GEMPTFE* C PTFE*	B NBR E FKM* F EPDM* L MVQ*	

- *On request:
- Reduced bore
 - Special threads
 - Pressure class up to PN5000 Psi
 - Pneumatic and electrical actuator
 - Locking device

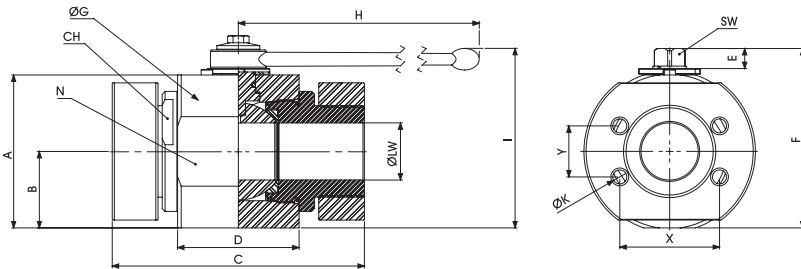
For further special requests please consult our technical/commercial service



GBF SAE J518 S3000

Standard

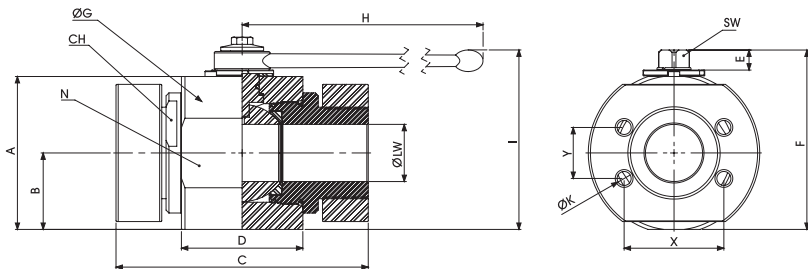
TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	N	X	Y	ØK	CH	SW	ØLW	KG	CARBON STEEL	STAINLESS STEEL
																				ITEM CODE	ITEM CODE
GBF3	4000 Psi	32	89	42,5	172	75	14	107,5	98	310	162	88	58,7	30,2	M10	60	17	32	8,102	GB2FFC3L021A000	GB2FFC3L044A000
GBF3	3000 Psi	40	106	52,5	176,5	85	14	124,5	113	310	180	102	69,8	35,7	M12	75	17	40	11,142	GB2FFC4L021A000	GB2FFC4L044A000
GBF3	3000 Psi	50	115,5	58,5	196	98	14	134	123	310	190	118	77,8	42,9	M12	85	17	50	15,343	GB2FFC5L021A000	GB2FFC5L044A000



GBF SAE J518 S3000 UNC

Standard

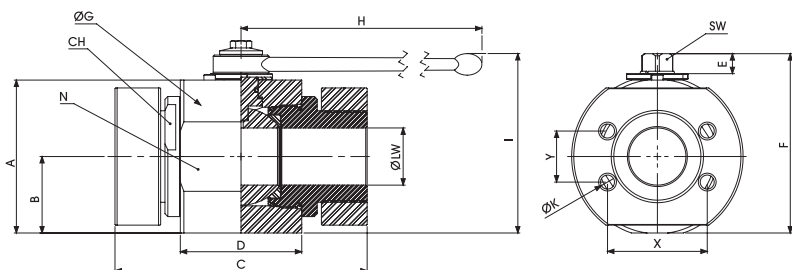
TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	N	X	Y	ØK	CH	SW	ØLW	KG	CARBON STEEL	STAINLESS STEEL
																				ITEM CODE	ITEM CODE
GBF3	4000 Psi	32	89	42,5	172	75	14	107,5	98	310	163	88	58,7	30,2	$7/16-14$ UNC	60	17	32	8,102	GB2FUC3L021A000	GB2FUC3L044A000
GBF3	3000 Psi	40	106	52,5	176,5	85	14	124,5	113	310	180	102	69,8	35,7	$1/2-13$ UNC	75	17	40	11,142	GB2FUC4L021A000	GB2FUC4L044A000
GBF3	3000 Psi	50	115,5	58,5	196	98	14	134	123	310	190	118	77,8	42,9	$1/2-13$ UNC	85	17	50	15,343	GB2FUC5L021A000	GB2FUC5L044A000



GBF SAE J518 S6000

Standard

TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	N	X	Y	ØK	CH	SW	ØLW	KG	CARBON STEEL	STAINLESS STEEL
																				ITEM CODE	ITEM CODE
GBF6	6000 Psi	32	89	42,5	172	75	14	107,5	98	310	160	88	66,7	31,8	M12	60	17	32	8,102	GB2FFC93021A000	GB2FFC93044A000
GBF6	6000 Psi	40	106	52,5	176,5	85	14	124,5	113	310	180	102	79,4	36,5	M16	75	17	40	11,142	GB2FFCA3021A000	GB2FFCA3044A000
GBF6	6000 Psi	50	115,5	58,5	196	98	14	134	123	310	190	118	96,8	44,5	M20	80	17	50	15,343	GB2FFCB3021A000	GB2FFCB3044A000



GBF SAE J518 S6000 UNC

Standard

TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	N	X	Y	ØK	CH	SW	ØLW	KG	CARBON STEEL	STAINLESS STEEL
																				ITEM CODE	ITEM CODE
GBF6	6000 Psi	32	89	42,5	172	75	14	107,5	98	310	163	88	66,7	31,8	1/2-13 UNC	60	17	32	8,102	GB2FUC93021A000	GB2FUC93044A000
GBF6	6000 Psi	40	106	52,5	176,5	85	14	124,5	113	310	180	102	79,4	36,5	5/8-11 UNC	75	17	40	11,142	GB2FUCA3021A000	GB2FUCA3044A000
GBF6	6000 Psi	50	115,5	58,5	196	98	14	134	123	310	190	118	96,8	44,5	3/4-10 UNC	85	17	50	15,343	GB2FUCB3021A000	GB2FUCB3044A000

GBS

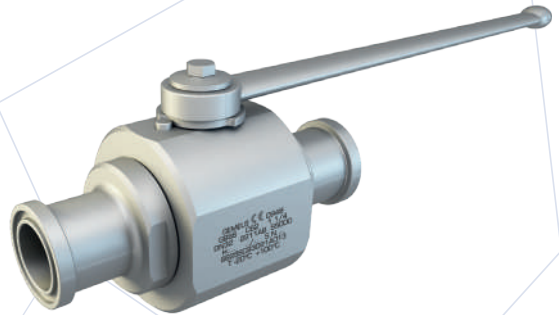
2-WAY HIGH PRESSURE BALL VALVES

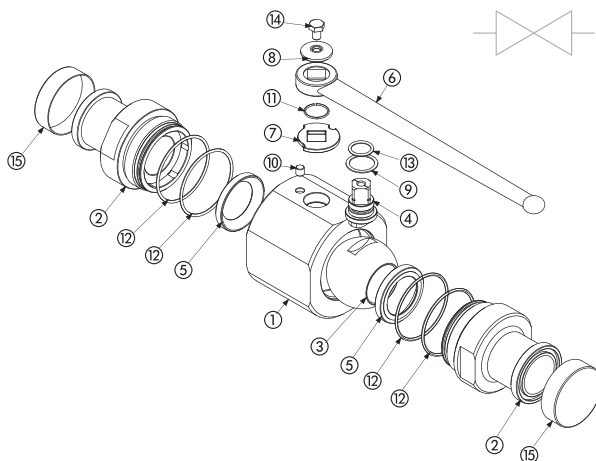
CARBON STEEL

- Type: ball valve GB 2 way
- Body: forged
- Ball seats: from DN32 up to DN50
- Operating pressure: S3000 (210 bar), S6000 (420 bar) depending on valve size and seal materials selected
- Temp range: -20°C to +100°C depending on seal material selected

STAINLESS STEEL

- Type: ball valve GB 2 way
- Body: forged
- Ball seats: from DN32 up to DN50
- Operating pressure: S3000 (210 bar), S6000 (420 bar) depending on valve size and seal materials selected
- Temp range: -30°C to +100°C depending on seal material selected





CARBON STEEL				
POS	DESCRIPTION	MATERIAL	Q.TY	
1	Body	1,0570	1	
2	Adapter	1,0570	2	
3	Ball	1,0737	1	
4	Stem	1,0737	1	
5	Ball seat	POM	2	
6	Handle	1,0116	1	
7	Washer	1,0116	1	
8	Washer	1,0737	1	
9	Stem ring	POM	1	
10	Spine	1,0737	1	
11	Seeger	1,4301	1	
12	Adapter o-ring	NBR	4	
13	Stem o-ring	NBR	1	
14	Screw	ISO4017 8.8	1	
15	Caps	PVC	2	

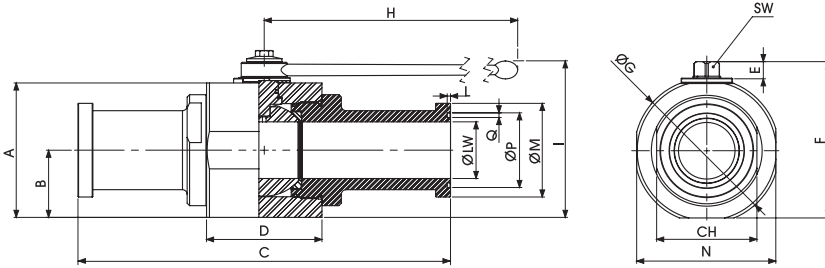
CARBON STEEL									
GB	S3	DN32	2	2	1	1	A	B	
TYPE AND WAY OF VALVE	VALVES DIMENSION OF PRESSURE (PSI)		NOMINAL DIMENSION	BODY MATERIAL	ADAPTER MATERIAL	STEM MATERIAL	BALL MATERIAL	BALL SEAT MATERIAL	ADAPTER AND STEM SEAL MATERIAL
	S3	S6							
GB 2-way	S3000	S6000	DN32 DN40 DN50	2 1,0570	2 1,0570	1 1,0737 4 1,4404*	1 1,0737 4 1,4404*	A POM D PEEK* G PA612* K GEMPTFE* C PTFE*	B NBR E FKM* F EPDM* L MVQ*

STAINLESS STEEL				
POS	DESCRIPTION	MATERIAL	Q.TY	
1	Body	1,4404	1	
2	Adapter	1,4404	2	
3	Ball	1,4404	1	
4	Stem	1,4404	1	
5	Ball seat	POM	2	
6	Handle	1,4301	1	
7	Washer	1,4301	1	
8	Washer	1,4301	1	
9	Stem ring	POM	1	
10	Spine	1,4301	1	
11	Seeger	1,4301	1	
12	Adapter o-ring	NBR	4	
13	Stem o-ring	NBR	1	
14	Screw	ISO4017 A2	1	
15	Caps	PVC	2	

STAINLESS STEEL									
GB	S3	DN32	4	4	4	4	A	B	
TYPE AND WAY OF VALVE	VALVES DIMENSION OF PRESSURE (PSI)		NOMINAL DIMENSION	BODY MATERIAL	ADAPTER MATERIAL	STEM MATERIAL	BALL MATERIAL	BALL SEAT MATERIAL	ADAPTER AND STEM SEAL MATERIAL
	S3	S6							
GB 2-way	S3000	S6000	DN32 DN40 DN50	4 1,4404	4 1,4404	4 1,4404	4 1,4404	A POM D PEEK* G PA612* K GEMPTFE* C PTFE*	B NBR E FKM* F EPDM* L MVQ*

- *On request:
- Reduced bore
 - Special threads
 - Pressure class up to PN5000 Psi
 - Pneumatic and electrical actuator
 - Locking device

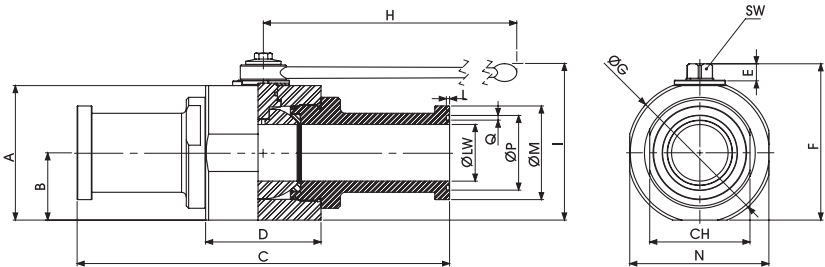
For further special requests please consult our technical/commercial service



GBS SAE J518 S3000

Standard

TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	L	ØM	N	CH	ØP	Q	SW	ØLW	KG	CARBON STEEL	STAINLESS STEEL
																					ITEM CODE	ITEM CODE
GBS3	4000 Psi	32	93	46,5	190,5	75	13,5	111,5	98	300	120,5	2,79	50,8	88	60	44,45	3,94	17	32	5,429	GB2SSC3L021A000	GB2SSC3L044A000
GBS3	3000 Psi	40	107	53,5	230,5	85	13,5	125,5	113	300	134,5	2,79	60,26	102	75	53,67	3,94	17	40	8,265	GB2SSC4L021A000	GB2SSC4L044A000
GBS3	3000 Psi	50	115,5	58,5	232	98	13,5	132,5	123	300	141,5	2,79	71,4	118	85	63,25	3,94	17	50	9,865	GB2SSC5L021A000	GB2SSC5L044A000



GBS SAE J518 S6000

Standard

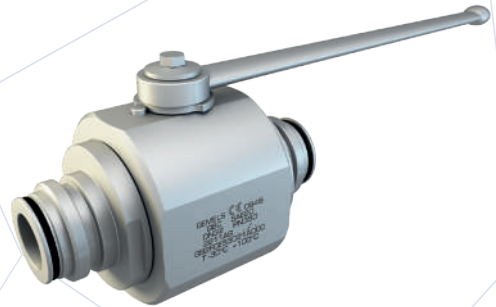
TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	L	ØM	N	CH	ØP	Q	SW	ØLW	KG	CARBON STEEL	STAINLESS STEEL
																					ITEM CODE	ITEM CODE
GBS6	6000 Psi	32	93	46,5	223	75	13,5	111,5	98	300	120,5	2,79	54	88	60	44,45	3,94	17	32	5,828	GB2SSC93021A000	GB2SSC93044A000
GBS6	6000 Psi	40	107	53,5	281	85	13,5	125,5	113	300	134,5	2,79	63,46	102	75	53,67	3,94	17	40	8,251	GB2SSCA3021A000	GB2SSCA3044A000
GBS6	6000 Psi	50	115,5	58,5	316	98	13,5	132,5	123	300	141,5	2,79	79,4	118	85	63,25	3,94	17	50	11,774	GB2SSCB3021A000	GB2SSCB3044A000

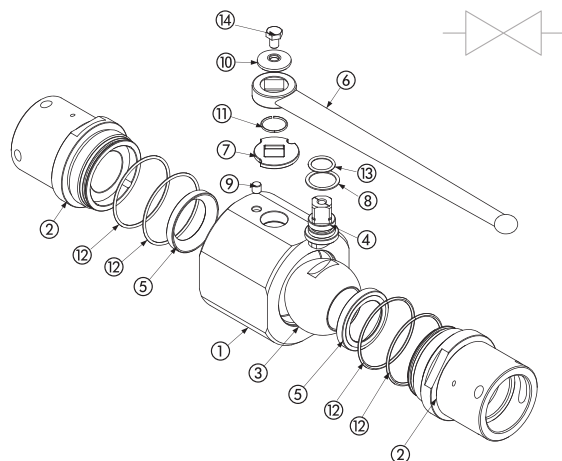
GBC

2-WAY HIGH PRESSURE BALL VALVES

CARBON STEEL

- Type: ball valve GBC 2 way
- Body: forged
- Ball seats: from DN32 up to DN50
- Operating pressure: 420 Bar
depending on valve size and seal materials selected
- Temp range: -20°C to +100°C
depending on seal material selected



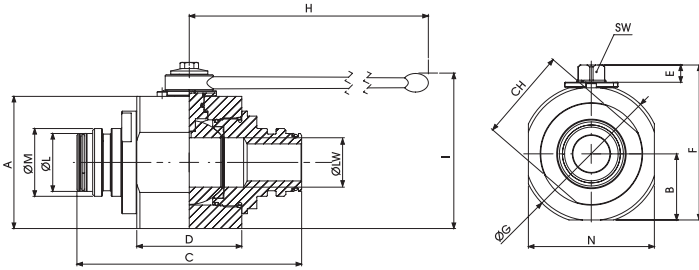


CARBON STEEL			
POS	DESCRIPTION	MATERIAL	Q.TY
1	Body	1,0570	1
2	Adapter	1,0570	2
3	Ball	1,0737	1
4	Stem	1,0737	1
5	Ball seat	POM	2
6	Handle	1,0116	1
7	Washer	1,0116	1
8	Stem ring	POM	1
9	Spine	1,0737	1
10	Washer	1,0737	1
11	Seeger	1,4301	1
12	Adapter o-ring	NBR	4
13	Stem o-ring	NBR	1
14	Screw	ISO4017 8.8	1

CARBON STEEL										
GBC	SAE32 M			DN32	1	1	1	1	A	B
TYPE AND WAY OF VALVE	VALVES DIMENSION OF PRESSURE (PSI)			NOMINAL DIMENSION	BODY MATERIAL	ADAPTER MATERIAL	STEM MATERIAL	BALL MATERIAL	BALL SEAT MATERIAL	ADAPTER AND STEM SEAL MATERIAL
	MALE	FEMALE	MALE-FEMALE							
GBC 2-way	SAE20	SAE20	SAE20	DN32	2 1,0570	2 1,0570	2 1,0570	2 1,0570	A POM	B NBR
	SAE24	SAE24	SAE24	DN40			4 1,4404*	4 1,4404*	D PEEK*	E FKM*
	SAE32	SAE32	SAE32	DN50					G PA612*	F EPDM*
									K GEMPTFE*	L MVQ*
									C PTFE*	

- *On request:
- Reduced bore
 - Special threads
 - Pressure class up to PN40 MPa
 - Pneumatic and electrical actuator
 - Security block
 - Locking device

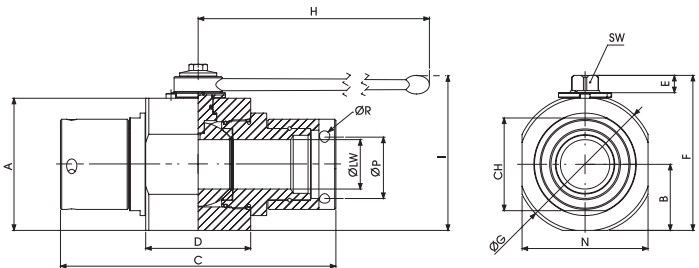
For further special requests please consult our technical/commercial service



GBC MALE SAEJ1467

Standard

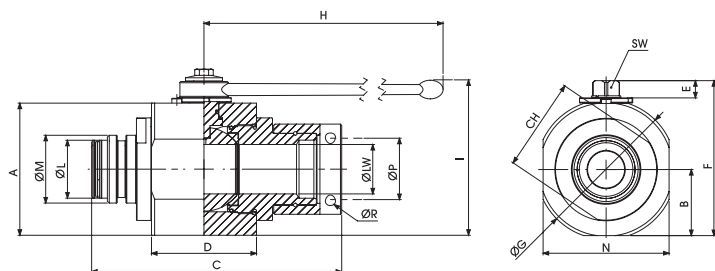
																	CARBON STEEL		
TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	ØL	ØM	N	CH	SW	ØLW	KG	ITEM CODE
GBC SAE20	42 MPa	32	93	46,5	163	75	14	112	98	300	112	38	46	88	60	17	32	5,87	GB2MCE53021A000
GBC SAE24	42 MPa	40	107	53,5	182	85	14	126	113	300	126	45	56	102	75	17	40	8,257	GB2MCE63021A000
GBC SAE32	42 MPa	50	115,5	58,5	195	98	14	133	123	300	133	56	64	118	85	17	50	10,38	GB2MCE73021A000



GBC FEMALE SAEJ1467

Standard

																	CARBON STEEL		
TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	N	CH	ØP	ØR	SW	ØLW	KG	ITEM CODE
GBC SAE20	42 MPa	32	93	46,5	163	75	14	112	98	300	112	88	60	43	8,5	17	32	5,87	GB2FCE53021A000
GBC SAE24	42 MPa	40	107	53,5	182	85	14	126	113	300	126	102	75	52	8,5	17	40	8,257	GB2FCE63021A000
GBC SAE32	42 MPa	50	115,5	58,5	195	98	14	133	123	300	133	118	85	62	8,5	17	50	10,38	GB2FCE73021A000



GBC MALE FEMALE SAEJ1467

Standard

TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	ØL	ØM	N	CH	ØP	ØR	SW	ØLW	KG	CARBON STEEL
																					ITEM CODE
GBC SAE20	42 MPa	32	93	46,5	163	75	14	112	98	300	112	38	46	88	60	43	8,5	17	32	5,87	GB2MFE53021A000
GBC SAE24	42 MPa	40	107	53,5	182	85	14	126	113	300	126	45	56	102	75	52	8,5	17	40	8,257	GB2MFE63021A000
GBC SAE32	42 MPa	50	115,5	58,5	195	98	14	133	123	300	133	56	64	118	85	62	8,5	17	50	10,38	GB2MFE73021A000

GV

GV2 - GV3

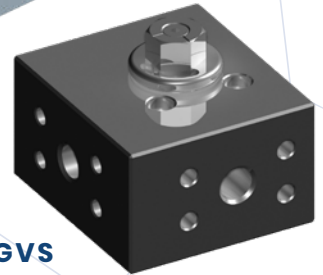


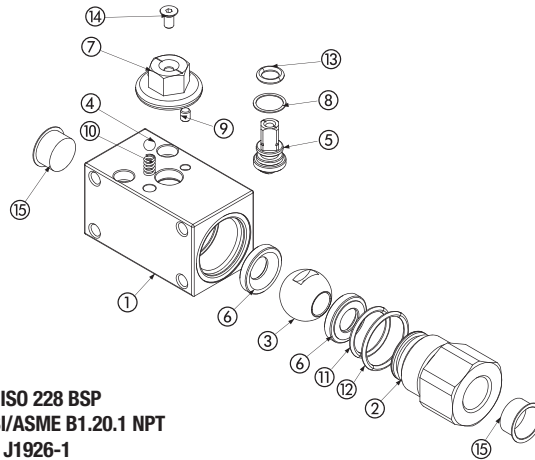
GV2

2-WAY HIGH PRESSURE BALL VALVES

CARBON STEEL

- Type: ball valve GV 3 way
- Body: square
- Ball seats: from DN6 up to DN32
- Operating pressure: PN 500 - S6000
depending on valve size and seal materials selected
- Temp range: -20°C to +100°C
depending on seal material selected





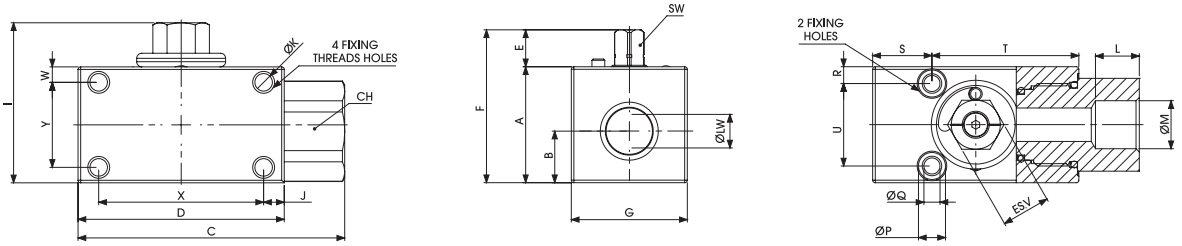
**DIN ISO 228 BSP
ANSI/ASME B1.20.1 NPT
SAE J1926-1**

CARBON STEEL			
POS	DESCRIPTION	MATERIAL	Q.TY
1	Body	1,0737	1
2	Adapter	1,0737	1
3	Ball	1,0737	1
4	Spring UNH17223-1	1,0116	1
5	Stem	1,0737	1
6	Ball seat	POM	2
7	Washer	1,0737	1
8	Stem ring	POM	1
9	Spine	1,0737	1
10	Spring ball	1,0116	1
11	Adapter o-ring	FKM	2
12	Adapter o-ring	FKM	2
13	Stem o-ring	FKM	1
14	Screw	DIN 7991 8.8	1
15	Caps	PVC	2

CARBON STEEL											
	GV2	G1½	DN13	1	1	1	1	A	B		
TYPE AND WAY OF VALVE	GAS DIN/ ISO 228 BSP	NPT ANSI/ ASME B1.20.1	SAE J1926-1	ISO 6162	NOMINAL DIMENSION	BODY MATERIAL	ADAPTER MATERIAL	STEM MATERIAL	BALL MATERIAL	BALL SEAT MATERIAL	ADAPTER AND STEM SEAL MATERIAL
GV2 2-way	G ¼	N ¼	SAE4	S6000	DN6	1 1,0737	1 1,0737	1 1,0737	1 1,0737	A POM	B NBR
	G ¾	N ¾	SAE6		DN10					D PEEK*	E FKM*
	G ½	N ½	SAE8		DN13					G PA612*	F EPDM*
	G ¾	N ¾	SAE12		DN20					K GEMPTFE*	L MVQ*
	G 1	N 1	SAE16		DN25					C PTFE*	
	G 1 ¼ R	N 1 ¼ R	SAE20R								
	G 1 ¼	N 1 ¼	SAE20								

- *On request:
- Reduced bore
 - Special threads
 - Pressure class up to PN50 Mpa
 - Pressure class up to PN6000 Psi
 - Locking device

For further special requests please consult our technical/commercial service



GV2 DIN/ISO 228 BSP

Standard

CARBON STEEL

TYPE	PN	DN	A	B	C	D	E	F	G	I	J	ØK	Y	X	W	L	ØM	CH	ØP	ØQ	R	S	T	U	es.v	ØLW	SW	KG	ITEM CODE
GV2 G 1/4	50 MPa	6	40	17,4	85,5	67	14,5	54,5	37	57,5	5,5	M6	33	56	3,5	15,5	G 1/4	27	10,5	6,25	6,5	14,5	52,5	24	19	6	9	0,932	GV2GGT15011B000
GV2 G 3/8	50 MPa	10	40	19,5	88,5	70	14,5	54,5	37	57,5	7	M6	33	56	3,5	17	G 3/8	32	10,5	6,25	6,5	16	54	24	19	10	9	0,919	GV2GGT25011B000
GV2 G 1/2	50 MPa	13	45	20	103,5	80	14,5	69,5	45	62,5	8	M8	33	64	6	17	G 1/2	36	10,5	6,25	6,5	23	57	32	19	13	9	1,307	GV2GGT35011B000
GV2 G 3/4	50 MPa	20	55	23,4	129,5	101	18,5	73,5	55	77,5	10,5	M8	43	80	6	21	G 3/4	45	13,5	8,25	7,5	25,5	75,5	40	24	20	14	2,424	GV2GGT45011B000
GV2 G 1	50 MPa	25	65	29,5	133,5	105	18,5	83,5	65	87,5	7,5	M8	53	90	6	24	G 1	55	13,5	8,25	8,5	27,5	77,5	48	24	25	14	3,446	GV2GGT55011B000
GV2 G 1 1/4R	50 MPa	25	65	29,5	133,5	105	18,5	83,5	65	87,5	7,5	M8	53	90	6	24	G 1 1/4R	55	13,5	8,25	8,5	27,5	77,5	48	24	25	14	3,265	GV2GGR65011B000
GV2 G 1 1/4	50 MPa	32	80	33,5	133,5	105	18,5	98,5	80	103,5	9,5	M8	64	86	8	24	G 1 1/4	60	13,5	8,25	10	24,5	80,5	60	32	32	17	4,991	GV2GGT65011B000

GV2 ANSI/ASME B1.20.1 NPT

Standard

CARBON STEEL

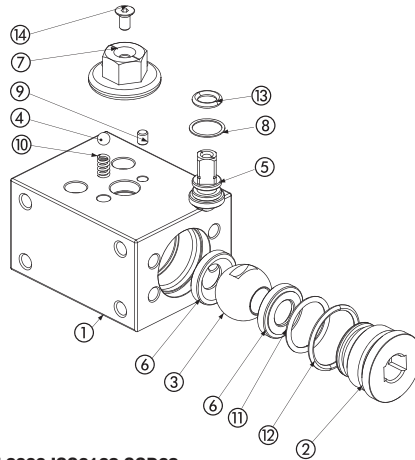
TYPE	PN	DN	A	B	C	D	E	F	G	I	J	ØK	Y	X	W	L	ØM	CH	ØP	ØQ	R	S	T	U	es.v	ØLW	SW	KG	ITEM CODE
GV2 N 1/4	50 MPa	6	40	17,4	85,5	67	14,5	54,5	37	57,5	5,5	M6	33	56	3,5	15,5	N 1/4	27	10,5	6,25	6,5	14,5	52,5	24	19	6	9	0,932	GV2NNT15011B000
GV2 N 3/8	50 MPa	10	40	19,5	88,5	70	14,5	54,5	37	57,5	7	M6	33	56	3,5	17	N 3/8	32	10,5	6,25	6,5	16	54	24	19	10	9	0,919	GV2NNT25011B000
GV2 N 1/2	50 MPa	13	45	20	103,5	80	14,5	69,5	45	62,5	8	M8	33	64	6	17	N 1/2	36	10,5	6,25	6,5	23	57	32	19	13	9	1,307	GV2NNT35011B000
GV2 N 3/4	50 MPa	20	55	23,4	129,5	101	18,5	73,5	55	77,5	10,5	M8	43	80	6	21	N 3/4	45	13,5	8,25	7,5	25,5	75,5	40	24	20	14	2,424	GV2NNT45011B000
GV2 N 1	50 MPa	25	65	29,5	133,5	105	18,5	83,5	65	87,5	7,5	M8	53	90	6	24	N 1	55	13,5	8,25	8,5	27,5	77,5	48	24	25	14	3,446	GV2NNT55011B000
GV2 N 1 1/4R	50 MPa	25	65	29,5	133,5	105	18,5	83,5	65	87,5	7,5	M8	53	90	6	24	N 1 1/4R	55	13,5	8,25	8,5	27,5	77,5	48	24	25	14	3,265	GV2NNR65011B000
GV2 N 1 1/4	50 MPa	32	80	33,5	133,5	105	18,5	98,5	80	103,5	9,5	M8	64	86	8	24	G 1 1/4	60	13,5	8,25	10	24,5	80,5	60	32	32	17	4,991	GV2NNT65011B000

GV2 SAE J1926-1

Standard

CARBON STEEL

TYPE	PN	DN	A	B	C	D	E	F	G	I	J	ØK	Y	X	W	L	ØM	CH	ØP	ØQ	R	S	T	U	es.v	ØLW	SW	KG	ITEM CODE
GV2 SAE4	50 MPa	6	40	17,4	85,5	67	14,5	54,5	37	57,5	5,5	M6	33	56	3,5	15,5	SAE4	27	10,5	6,25	6,5	14,5	52,5	24	19	6	9	0,932	GV2EEE05011B000
GV2 SAE6	50 MPa	10	40	19,5	88,5	70	14,5	54,5	37	57,5	7	M6	33	56	3,5	17	SAE6	32	10,5	6,25	6,5	16	54	24	19	10	9	0,919	GV2EEE15011B000
GV2 SAE8	50 MPa	13	45	20	103,5	80	14,5	69,5	45	62,5	8	M8	33	64	6	17	SAE8	36	10,5	6,25	6,5	23	57	32	19	13	9	1,307	GV2EEE25011B000
GV2 SAE12	50 MPa	20	55	23,4	129,5	101	18,5	73,5	55	77,5	10,5	M8	43	80	6	21	SAE12	45	13,5	8,25	7,5	25,5	75,5	40	24	20	14	2,424	GV2EEE35011B000
GV2 SAE16	50 MPa	25	65	29,5	133,5	105	18,5	83,5	65	87,5	7,5	M8	53	90	6	24	SAE16	55	13,5	8,25	8,5	27,5	77,5	48	24	25	14	3,446	GV2EEE45011B000
GV2 SAE20R	50 MPa	25	65	29,5	133,5	105	18,5	83,5	65	87,5	7,5	M8	53	90	6	24	SAE20R	55	13,5	8,25	8,5	27,5	77,5	48	24	25	14	3,265	GV2EEE85011B000
GV2 SAE20	50 MPa	32	80	33,5	133,5	105	18,5	98,5	80	103,5	9,5	M8	64	86	8	24	SAE20	60	13,5	8,25	10	24,5	80,5	60	32	32	17	4,991	GV2EEE55011B000



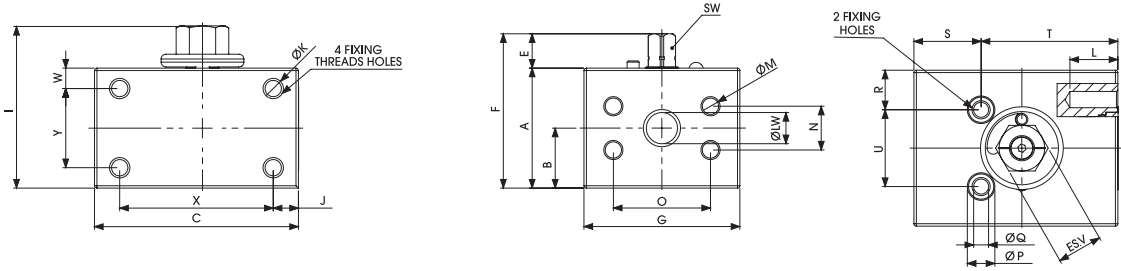
SAE 6000 ISO6162 COD62

CARBON STEEL			
POS	DESCRIPTION	MATERIAL	Q.TY
1	Body	1,0737	1
2	Adapter	1,0737	1
3	Ball	1,0737	1
4	Spring UN17223-1	1,0116	1
5	Stem	1,0737	1
6	Ball seat	POM	2
7	Washer	1,0737	1
8	Stem ring	POM	1
9	Spine	1,0737	1
10	Spring ball	1,0116	1
11	Adapter o-ring	FKM	2
12	Adapter o-ring	FKM	2
13	Stem o-ring	FKM	1
14	Screw	DIN 7991 8.8	1
15	Caps	PVC	2

CARBON STEEL											
GV2	G1½			DN13	1	1	1	1	A	B	
TYPE AND WAY OF VALVE	GAS DIN/ ISO 228 BSP	NPT ANSI/ ASME B1.20.1	SAE J1926-1	ISO 6162	NOMINAL DIMENSION	BODY MATERIAL	ADAPTER MATERIAL	STEM MATERIAL	BALL MATERIAL	BALL SEAT MATERIAL	ADAPTER AND STEM SEAL MATERIAL
GV2 2-way	G ¼	N ¼	SAE4	S6000	DN6	1,1,0737	1,1,0737	1,1,0737	1,1,0737	A POM	B NBR
	G ¾	N ¾	SAE6		DN10					D PEEK*	E FKM*
	G ½	N ½	SAE8		DN13					G PA612*	F EPDM*
	G ¾	N ¾	SAE12		DN20					K GEMPTFE*	L MVQ*
	G 1	N 1	SAE16		DN25					C PTFE*	
	G 1 ¼ R	N 1 ¼ R	SAE20R								
	G 1 ¼	N 1 ¼	SAE20								

- *On request:
- Reduced bore
 - Special threads
 - Pressure class up to PN50 Mpa
 - Pressure class up to PN6000 Psi
 - Locking device

For further special requests please consult our technical/commercial service



GVS6 SAE 6000 ISO 6162 COD62

Standard

CARBON STEEL

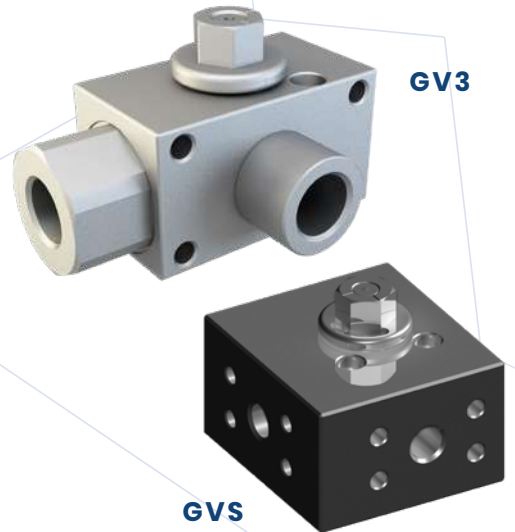
TYPE	PN	DN	A	B	C	E	F	G	I	J	ØK	Y	X	W	L	ØM	N	O	ØP	ØQ	R	S	T	U	ES.V	ØLW	SW	KG	ITEM CODE
GVS6 S6000	42 MPa	13	50	25	85	14,5	64,5	65	67,5	10,5	M10	33	64	12,5	18	M8	18,24	40,49	15	9	16,5	28	56	38	19	13	9	2,159	GV2FFT3G011B000
GVS6 S6000	42 MPa	20	65	33,4	105	18,5	83,5	80	87,5	12,5	M10	43	80	10,1	18	M10	23,8	50,8	17	11	20	29,5	73,5	52	24	20	14	3,932	GV2FFT4G011B000
GVS6 S6000	42 MPa	25	75	39,5	110	18,5	93,5	90	97,5	10	M10	53	90	9	20	M12	27,76	57,15	17	11	21	32,5	75,5	55	24	25	14	5,239	GV2FFT5G011B000
GVS6 S6000	42 MPa	32	85	38,5	115	18,5	103,5	100	108,5	14,5	M10	64	86	14,5	22	M12	31,75	66,68	20	13	20	34,5	79,5	67	32	32	17	6,75	GV2FFT6G011B000

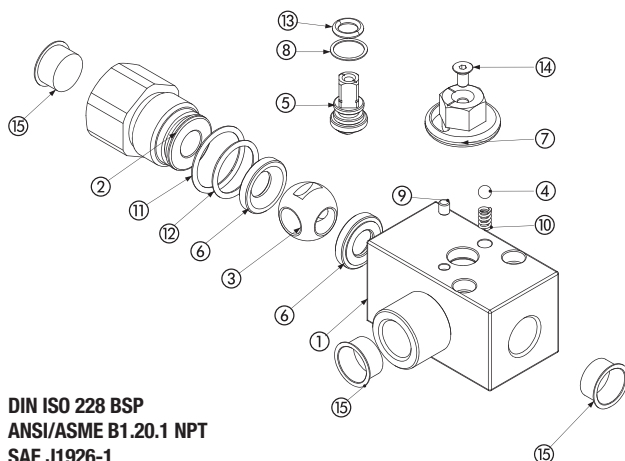
GV3

3-WAY HIGH PRESSURE BALL VALVES

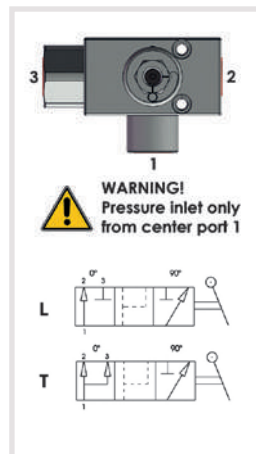
CARBON STEEL

- Type: ball valve GV 3 way
- Body: square
- Ball seats: from DN6 up to DN32
- Operating pressure: PN 500 - S6000
depending on valve size and seal materials selected
- Temp range: -20°C to +100°C
depending on seal material selected





**DIN ISO 228 BSP
ANSI/ASME B1.20.1 NPT
SAE J1926-1**

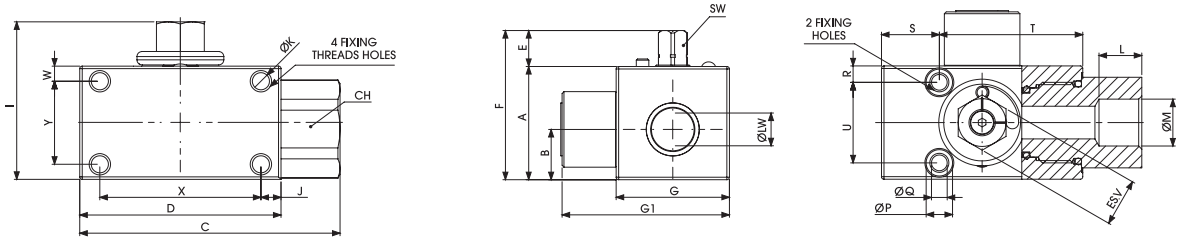


CARBON STEEL			
POS	DESCRIPTION	MATERIAL	Q.TY
1	Body	1,0737	1
2	Adapter	1,0737	1
3	Ball	1,0737	1
4	Spring	1,0116	1
5	Stem	1,0737	1
6	Ball seat	POM	2
7	Washer	1,0737	1
8	Stem ring	POM	1
9	Spine	1,0737	1
10	Spring ball	1,0116	1
11	Adapter o-ring	FKM	2
12	Adapter o-ring	FKM	2
13	Stem o-ring	FKM	1
14	Screw	DIN 7991 8.8	1
15	Caps	PVC	3

CARBON STEEL											
GV3	G½		DN13		1	1	1	1	D	E	
TYPE AND WAY OF VALVE	GAS DIN/ ISO 228 BSP	NPT ANSI/ ASME B1.20.1	SAE J1926-1	ISO 6162	NOMINAL DIMENSION	BODY MATERIAL	ADAPTER MATERIAL	STEM MATERIAL	BALL MATERIAL	BALL SEAT MATERIAL	ADAPTER AND STEM SEAL MATERIAL
GV3 3-way	G ¼	N ¼	SAE4	S6000	DN6	1 1,0737	1 1,0737	1 1,0737	1 1,0737	A POM	B NBR
	G ¾	N ¾	SAE6		DN10					D PEEK*	E FKM*
	G ½	N ½	SAE8		DN13					K GEMPTFE*	F EPDM*
	G ¾	N ¾	SAE12		DN20					C PTFE*	L MVQ*
	G 1	N 1	SAE16		DN25						
	G 1 ¼ R	N 1 ¼ R	SAE20R								
	G 1 ¼	N 1 ¼	SAE20								

- *On request:
- Reduced bore
 - Pressure class up to PN40 Mpa
 - Special threads
 - Locking device

For further special requests please consult our technical/commercial service



GV3 DIN/ISO 228 BSP

Standard

CARBON STEEL

TYPE	PN	DN	A	B	C	D	E	F	G	G1	I	J	ØK	Y	X	W	L	ØM	CH	ØP	ØQ	R	S	T	U	ES.V	ØLW	SW	KG	ITEM CODE
GV3 G 1/4	50 MPa	6	40	17,4	85,5	67	14,5	54,5	37	60,5	57,5	5,5	M6	33	56	3,5	15,5	G 1/4	27	10,5	6,25	6,5	14,5	52,5	24	19	6	9	1,08	GV3GGT14011B000
GV3 G 3/8	50 MPa	10	40	19,5	88,5	70	14,5	54,5	37	61	57,5	7	M6	33	56	3,5	17	G 3/8	32	10,5	6,25	6,5	16	54	24	19	10	9	1,15	GV3GGT24011B000
GV3 G 1/2	50 MPa	13	45	20	103,5	80	14,5	69,5	45	66,5	62,5	8	M8	33	64	6	17	G 1/2	36	10,5	6,25	6,5	23	57	32	19	13	9	1,362	GV3GGT33011B000
GV3 G 3/4	35 MPa	20	55	23,4	129,5	101	18,5	73,5	55	85	77,5	10,5	M8	43	80	6	21	G 3/4	45	13,5	8,25	7,5	25,5	75,5	40	24	20	14	2,51	GV3GGT43011B000
GV3 G 1	35 MPa	25	65	29,5	133,5	105	18,5	83,5	65	97,5	87,5	7,5	M8	53	90	6	24	G 1	55	13,5	8,25	8,5	27,5	77,5	48	24	25	14	3,564	GV3GGT53011B000
GV3 G 1 1/4R	35 MPa	25	65	29,5	133,5	105	18,5	83,5	65	99	87,5	7,5	M8	53	90	6	24	G 1 1/4R	55	13,5	8,25	8,5	27,5	77,5	48	24	25	14	3,485	GV3GGR63011B000
GV3 G 1 1/4	35 MPa	32	80	33,5	133,5	105	18,5	98,5	80	118	103,5	9,5	M8	64	86	8	24	G 1 1/4	60	13,5	8,25	10	24,5	80,5	60	32	32	17	5,32	GV3GGT63011B000

GV3 ANSI/ASME B1.20.1 NPT

Standard

CARBON STEEL

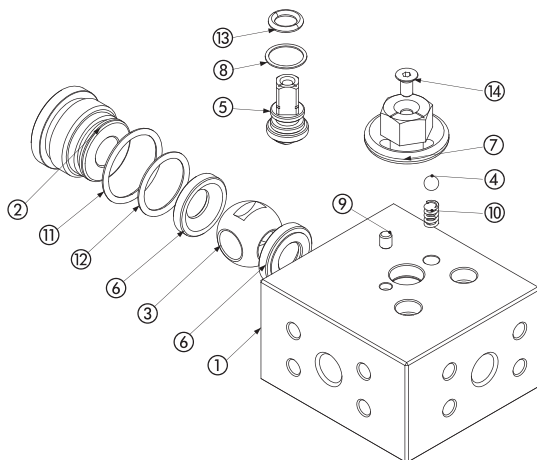
TYPE	PN	DN	A	B	C	D	E	F	G	G1	I	J	ØK	Y	X	W	L	ØM	CH	ØP	ØQ	R	S	T	U	ES.V	ØLW	SW	KG	ITEM CODE
GV3 N 1/4	50 MPa	6	40	17,4	85,5	67	14,5	54,5	37	60,5	57,5	5,5	M6	33	56	3,5	15,5	N 1/4	27	10,5	6,25	6,5	14,5	52,5	24	19	6	9	1,08	GV3NNT14011B000
GV3 N 3/8	50 MPa	10	40	19,5	88,5	70	14,5	54,5	37	61	57,5	7	M6	33	56	3,5	17	N 3/8	32	10,5	6,25	6,5	16	54	24	19	10	9	1,15	GV3NNT24011B000
GV3 N 1/2	50 MPa	13	45	20	103,5	80	14,5	69,5	45	66,5	62,5	8	M8	33	64	6	17	N 1/2	36	10,5	6,25	6,5	23	57	32	19	13	9	1,362	GV3NNT33011B000
GV3 N 3/4	35 MPa	20	55	23,4	129,5	101	18,5	73,5	55	85	77,5	10,5	M8	43	80	6	21	N 3/4	45	13,5	8,25	7,5	25,5	75,5	40	24	20	14	2,51	GV3NNT43011B000
GV3 N 1	35 MPa	25	65	29,5	133,5	105	18,5	83,5	65	97,5	87,5	7,5	M8	53	90	6	24	N 1	55	13,5	8,25	8,5	27,5	77,5	48	24	25	14	3,564	GV3NNT53011B000
GV3 N 1 1/4R	35 MPa	25	65	29,5	133,5	105	18,5	83,5	65	99	87,5	7,5	M8	53	90	6	24	N 1 1/4R	55	13,5	8,25	8,5	27,5	77,5	48	24	25	14	3,485	GV3NNR63011B000
GV3 N 1 1/4	35 MPa	32	80	33,5	133,5	105	18,5	98,5	80	118	103,5	9,5	M8	64	86	8	24	G 1 1/4	60	13,5	8,25	10	24,5	80,5	60	32	32	17	5,32	GV3NNT63011B000

GV3 SAE J1926-1

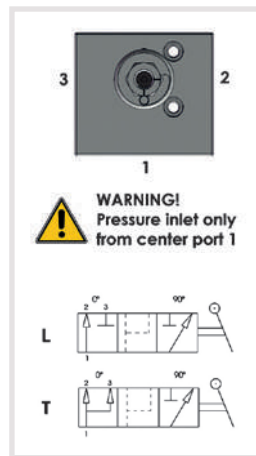
Standard

CARBON STEEL

TYPE	PN	DN	A	B	C	D	E	F	G	G1	I	J	ØK	Y	X	W	L	ØM	CH	ØP	ØQ	R	S	T	U	ES.V	ØLW	SW	KG	ITEM CODE
GV3 SAE4	50 MPa	6	40	17,4	85,5	67	14,5	54,5	37	60,5	57,5	5,5	M6	33	56	3,5	15,5	SAE4	27	10,5	6,25	6,5	14,5	52,5	24	19	6	9	1,08	GV3EEE4011B000
GV3 SAE6	50 MPa	10	40	19,5	88,5	70	14,5	54,5	37	61	57,5	7	M6	33	56	3,5	17	SAE6	32	10,5	6,25	6,5	16	54	24	19	10	9	1,15	GV3EEE14011B000
GV3 SAE8	50 MPa	13	45	20	103,5	80	14,5	69,5	45	66,5	62,5	8	M8	33	64	6	17	SAE8	36	10,5	6,25	6,5	23	57	32	19	13	9	1,362	GV3EEE23011B000
GV3 SAE12	35 MPa	20	55	23,4	129,5	101	18,5	73,5	55	85	77,5	10,5	M8	43	80	6	21	SAE12	45	13,5	8,25	7,5	25,5	75,5	40	24	20	14	2,51	GV3EEE33011B000
GV3 SAE16	35 MPa	25	65	29,5	133,5	105	18,5	83,5	65	97,5	87,5	7,5	M8	53	90	6	24	SAE16	55	13,5	8,25	8,5	27,5	77,5	48	24	25	14	3,564	GV3EEE43011B000
GV3 SAE20R	35 MPa	25	65	29,5	133,5	105	18,5	83,5	65	99	87,5	7,5	M8	53	90	6	24	SAE20R	55	13,5	8,25	8,5	27,5	77,5	48	24	25	14	3,485	GV3EEE83011B000
GV3 SAE20	35 MPa	32	80	33,5	133,5	105	18,5	98,5	80	118	103,5	9,5	M8	64	86	8	24	SAE20	60	13,5	8,25	10	24,5	80,5	60	32	32	17	5,32	GV3EEE53011B000



SAE 6000 ISO6162 COD62

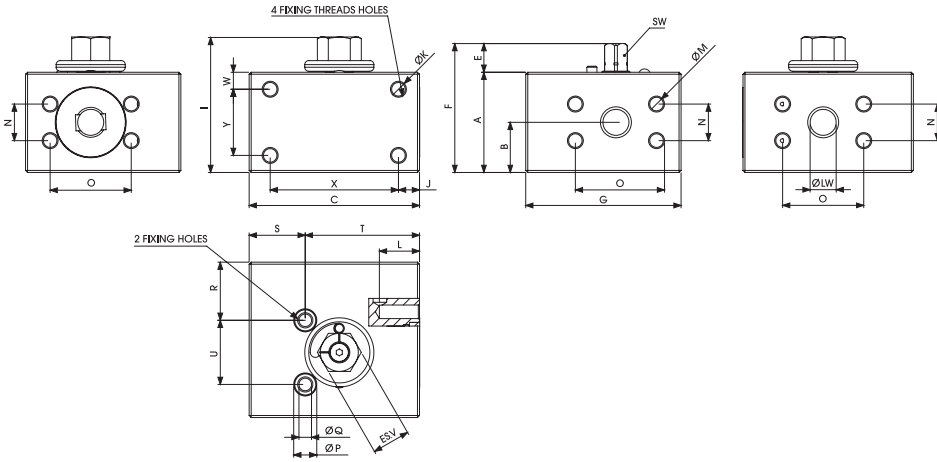


CARBON STEEL			
POS	DESCRIPTION	MATERIAL	Q.TY
1	Body	1,0737	1
2	Adapter	1,0737	1
3	Ball	1,0737	1
4	Spring	1,0116	1
5	Stem	1,0737	1
6	Ball seat	POM	2
7	Washer	1,0737	1
8	Stem ring	POM	1
9	Spine	1,0737	1
10	Spring ball	1,0116	1
11	Adapter o-ring	FKM	2
12	Adapter o-ring	FKM	2
13	Stem o-ring	FKM	1
14	Screw	DIN 7991 8.8	1
15	Caps	PVC	3

CARBON STEEL												
		GV3	G½	DN13	1	1	1	1	D	E		
TYPE AND WAY OF VALVE	GAS DIN/ ISO 228	NPT ANSI/ BSP	ASME B1.20.1	SAE J1926-1	ISO 6162	NOMINAL DIMENSION	BODY MATERIAL	ADAPTER MATERIAL	STEM MATERIAL	BALL MATERIAL	BALL SEAT MATERIAL	ADAPTER AND STEM SEAL MATERIAL
GV3 3-way	G ¼	N ¼	SAE4	S6000	DN6	1,0737	1,0737	1,0737	1,0737	A POM	B NBR	
	G ¾	N ¾	SAE6		DN10					D PEEK*	E FKM*	
	G ½	N ½	SAE8		DN13					K GEMPTFE*	F EPDM*	
	G ¾	N ¾	SAE12		DN20					C PTFE*	L MVQ*	
	G 1	N 1	SAE16		DN25							
	G 1 ¼ R	N 1 ¼ R	SAE20R									
	G 1 ¼	N 1 ¼	SAE20									

- *On request:
- Reduced bore
 - Special threads
 - Pressure class up to PN40 Mpa
 - Locking device

For further special requests please consult our technical/commercial service



GVS6 3V SAE 6000 ISO6162 COD62

Standard

CARBON STEEL

TYPE	PN	DN	A	B	C	E	F	G	I	J	ØK	Y	X	W	L	ØM	N	O	ØP	ØQ	R	S	T	U	ES.V	ØLW	SW	KG	ITEM CODE
GVS6 3V S6000	50 MPa	13	50	25	85	14,5	64,5	77,5	67,5	10,5	M10	33	64	12,5	18	M8	18,24	40,49	15	9	16,5	28	56	38	19	13	9	2,373	GV3FFT3G011B000
GVS6 3V S6000	42 MPa	20	65	33,4	105	18,5	83,5	90	87,5	12,5	M10	43	80	10,1	18	M10	23,8	50,8	17	11	20	29,5	73,5	52	24	20	14	4,355	GV3FFT4G011B000
GVS6 3V S6000	42 MPa	25	75	39,5	110	18,5	93,5	105	97,5	10	M10	53	90	9	20	M12	27,76	57,15	17	11	21	32,5	75,5	55	24	25	14	5,997	GV3FFT5G011B000
GVS6 3V S6000	42 MPa	32	85	38,5	115	18,5	103,5	117,5	108,5	14,5	M10	64	86	14,5	22	M12	31,75	66,68	20	13	20	34,5	79,5	67	32	32	17	7,745	GV3FFT6G011B000

GEMELS
industrial valves

Hydraulic
ball valves

Edition
19.1

G3K - G4K

G3K - G4K

G3K - G4K

G3K - G4K

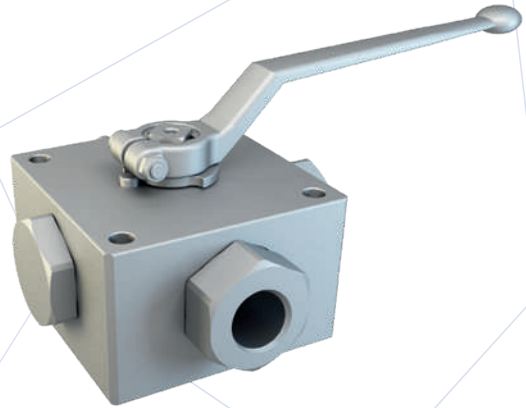


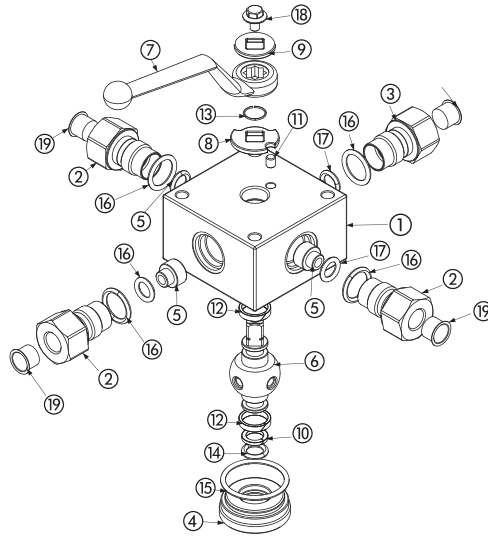
G3K

3-WAY HIGH PRESSURE BALL VALVES

CARBON STEEL

- Type: ball valve G3K 3 way
- Body: square
- Ball seats: from DN6 up to DN25
- Operating pressure: 500 Bar
depending on valve size and seal materials selected
- Temp range: -20°C to +100°C
depending on seal material selected



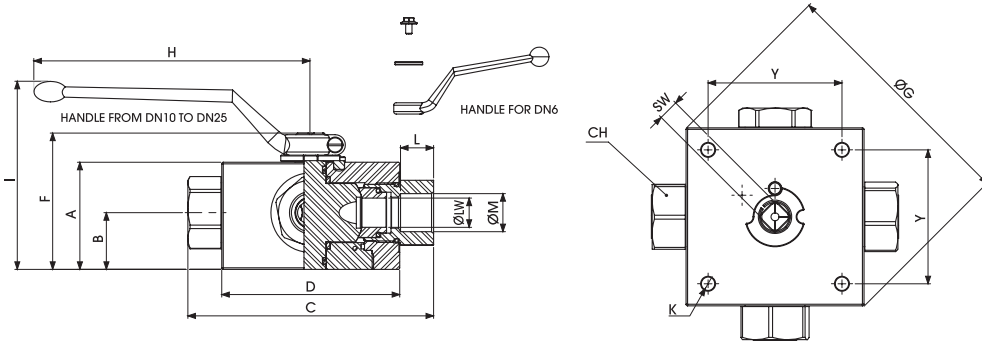


CARBON STEEL			
POS	DESCRIPTION	MATERIAL	Q.TY
1	Body	1,0737	1
2	Adapter	1,0737	3
3	Close adapter	1,0737	1
4	Stemball adapter	1,0737	1
5	Ball Seat	POM	4
6	Ball stem	1,0737	1
7	Handle	ZINC	1
8	Washer	1,0116	1
9	Washer	1,0116	1
10	Stemball ring	PTFE	2
11	Spine	1,0737	1
12	Body ring	PTFE	2
13	Seeger	1,4301	1
14	Stemball o-ring	NBR	2
15	Body o-ring	NBR	1
16	Adapter o-ring	NBR	4
17	Seal o-ring	NBR	4
18	Screw	DIN 6921 8.8	1
19	Caps	PVC	4

CARBON STEEL											
		G3K	K01	G¼	DN6	1	1	1	1	A	B
TYPE AND WAY OF VALVE	TYPE OF WAY	GAS DIN/ ISO 228 BSP	NPT ANSI/ ASME B1.20.1	NOMINAL DIMENSION	BODY MATERIAL	ADAPTER MATERIAL	STEM MATERIAL	BALL MATERIAL	BALL SEAT MATERIAL	ADAPTER AND STEM SEAL MATERIAL	
G3K 3-way	L K01	G ¼	N ¼	DN6	1 1,0737	1 1,0737	1 1,0737	1 1,0737	A POM	B NBR	
	T K02	G ¾	N ¾	DN10			4 1,4404*	4 1,4404*			
	X K14	G ½	N ½	DN13							
		G ¾	N ¾	DN20							
		G 1	N 1	DN25							
		G 1 ¼ R	N 1 ¼ R								
		G 1 ½ R	N 1 ½ R								

- *On request:
- Reduced bore
 - Special threads
 - Pressure class up to PN35 MPa
 - Pneumatic and electrical actuator
 - Locking device

For further special requests please consult our technical/commercial service



G3K DIN ISO 228 BSP

Standard

TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	L	ØM	CH	K	Y	SW	LW	KG
G3K G 1/4	50 MPa	6	42	21,5	100	70	11	56,5	-	110	97,5	15,5	G 1/4	24	6,5	55	9	6	1,767
G3K G 3/8	50 MPa	10	53	28,5	115	80	14	71,5	-	180	101	15,5	G 3/8	30	6,5	65	14	10	3,018
G3K G 1/2	40 MPa	13	62	33	136	100	14	80,5	-	180	110	17	G 1/2	41	8,5	80	14	13	5,247
G3K G 3/4	35 MPa	20	68	36	156	113	14	86,5	-	300	116,5	21	G 3/4	41	8,5	85	14	20	6,898
G3K G 1	35 MPa	25	82	47,5	181	118	14	100,5	138	300	130,5	24	G 1	50	8,5	85	14	25	9,005
G3K G 1 1/4 R	35 MPa	25	82	47,5	181	118	14	100,5	138	300	130,5	24	G 1 1/4	55	8,5	85	14	25	8,989
G3K G 1 1/2 R	35 MPa	25	82	47,5	181	118	14	100,5	138	300	130,5	24	G 1 1/2	60	8,5	85	14	25	9,213

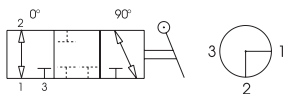
G3K ANSI/ASME B1.20.1 NPT

Standard

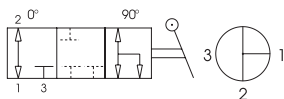
TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	L	ØM	CH	K	Y	SW	LW	KG
G3K N 1/4	50 MPa	6	42	21,5	100	70	11	56,5	-	110	97,5	15,5	N 1/4	24	6,5	55	9	6	1,767
G3K N 3/8	50 MPa	10	53	28,5	115	80	14	71,5	-	180	101	15,5	N 3/8	30	6,5	65	14	10	3,018
G3K N 1/2	40 MPa	13	62	33	136	100	14	80,5	-	180	110	17	N 1/2	41	8,5	80	14	13	5,247
G3K N 3/4	35 MPa	20	68	36	156	113	14	86,5	-	300	116,5	21	N 3/4	41	8,5	85	14	20	6,898
G3K N 1	35 MPa	25	82	47,5	181	118	14	100,5	138	300	130,5	24	N 1	50	8,5	85	14	25	9,005
G3K N 1 1/4 R	35 MPa	25	82	47,5	181	118	14	100,5	138	300	130,5	24	N 1 1/4	55	8,5	85	14	25	8,989
G3K N 1 1/2 R	35 MPa	25	82	47,5	181	118	14	100,5	138	300	130,5	24	N 1 1/2	60	8,5	85	14	25	9,213

Standard schemes

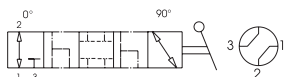
L scheme
G3 K01



T scheme
G3 K02



X scheme
G3 K14



G3K DIN ISO 228 BSP

Standard

CARBON STEEL	
ØLW-K01	ITEM CODE G3K01
6	G23GGT15011A000
10	G23GGT25011A000
13	G23GGT34011A000
19	G23GGT43011A000
23	G23GGT53011A000
23	G23GGR63011A000
23	G23GGR73011A000

CARBON STEEL	
ØLW-K02	ITEM CODE G3K02
6	G2AGGT15011A000
10	G2AGGT25011A000
13	G2AGGT34011A000
19	G2AGGT43011A000
23	G2AGGT53011A000
23	G2AGGR63011A000
23	G2AGGR73011A000

CARBON STEEL	
ØLW-K14	ITEM CODE G3K14
5	G2BGGT15011A000
7	G2BGGT25011A000
10	G2BGGT34011A000
15	G2BGGT43011A000
17	G2BGGT53011A000
17	G2BGGR63011A000
17	G2BGGR73011A000

G3K ANSI/ASME B1.20.1 NPT

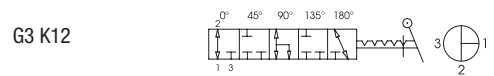
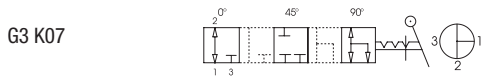
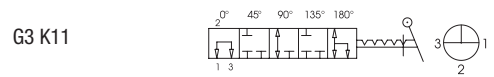
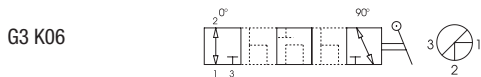
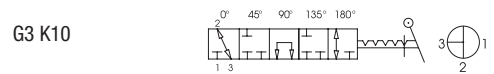
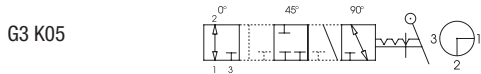
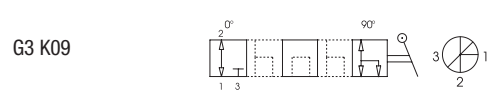
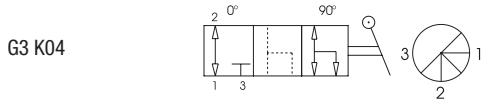
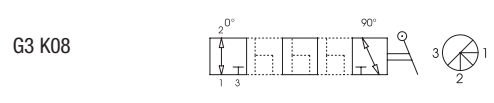
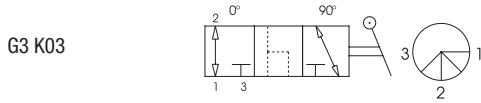
Standard

CARBON STEEL	
ØLW-K01	ITEM CODE G3K01
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10	G23NNT25011A000
13	G23NNT34011A000
19	G23NNT43011A000
23	G23NNT53011A000
23	G23NNR63011A000
23	G23NNR73011A000

CARBON STEEL	
ØLW-K02	ITEM CODE G3K02
6	G2ANNT15011A000
10	G2ANNT25011A000
13	G2ANNT34011A000
19	G2ANNT43011A000
23	G2ANNT53011A000
23	G2ANNR63011A000
23	G2ANNR73011A000

CARBON STEEL	
ØLW-K14	ITEM CODE G3K14
5	G2BNNT15011A000
7	G2BNNT25011A000
10	G2BNNT34011A000
15	G2BNNT43011A000
17	G2BNNT53011A000
17	G2BNNR63011A000
17	G2BNNR73011A000

Special schemes on request

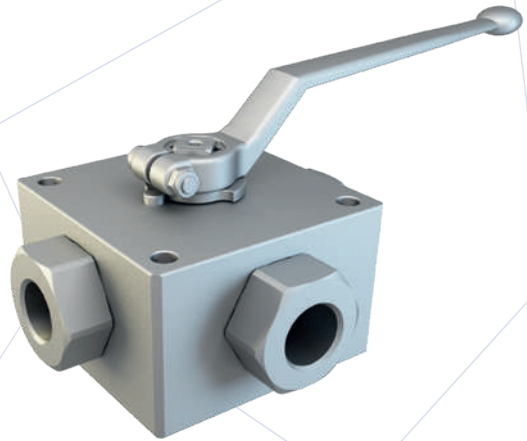


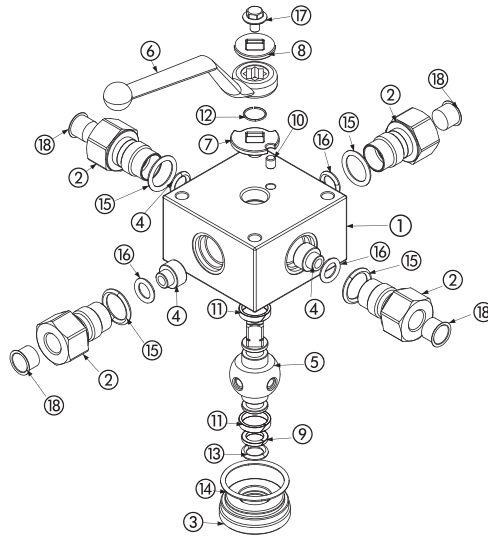
G4K

4-WAY HIGH PRESSURE BALL VALVES

CARBON STEEL

- Type: ball valve G4K 4 way
- Body: square
- Ball seats: from DN6 up to DN25
- Operating pressure: 500 Bar
depending on valve size and seal materials selected
- Temp range: -20°C to +100°C
depending on seal material selected



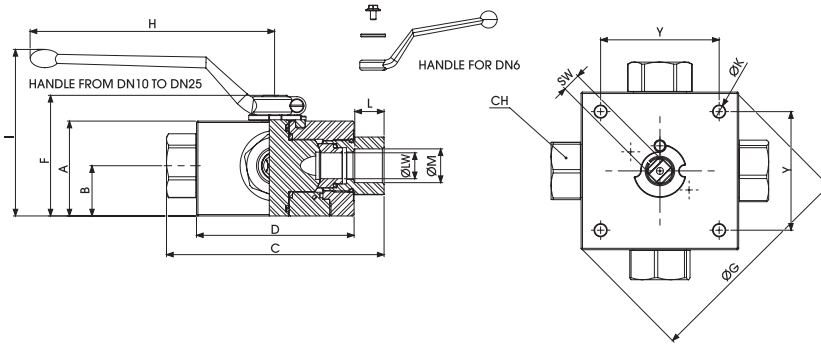


CARBON STEEL			
POS	DESCRIPTION	MATERIAL	Q.TY
1	Body	1,0737	1
2	Adapter	1,0737	4
3	Stemball adapter	1,0737	1
4	Ball Seat	POM	4
5	Ball stem	1,0737	1
6	Handle	ZINC	1
7	Washer	1,0116	1
8	Washer	1,0116	1
9	Stemball ring	PTFE	2
10	Spine	1,0737	1
11	Body ring	PTFE	2
12	Seeger	1,4301	1
13	Stemball o-ring	NBR	2
14	Body o-ring	NBR	1
15	Adapter o-ring	NBR	4
16	Seal o-ring	NBR	4
17	Screw	DIN 6921 8.8	1
18	Caps	PVC	4

CARBON STEEL											
		G4K	K01	G¼	DN6	1	1	1	1	A	B
TYPE AND WAY OF VALVE	TYPE OF WAY	GAS DIN/ ISO 228 BSP	NPT ANSI/ ASME B1.20.1	NOMINAL DIMENSION	BODY MATERIAL	ADAPTER MATERIAL	STEM MATERIAL	BALL MATERIAL	BALL SEAT MATERIAL	ADAPTER AND STEM SEAL MATERIAL	
G4K 4-way	L K01	G ¼	N ¼	DN6	1 1,0737	1 1,0737	1 1,0737	1 1,0737	A POM	B NBR	
	T K13	G ¾	N ¾	DN10							
	X K14	G ½	N ½	DN13							
		G ¾	N ¾	DN20							
		G 1	N 1	DN25							
		G 1 ¼ R	N 1 ¼ R								
	G 1 ½ R	N 1 ½ R									

- *On request:
- Reduced bore
 - Special threads
 - Pressure class up to PN50 MPa
 - Pneumatic and electrical actuator
 - Locking device

For further special requests please consult our technical/commercial service



G4K DIN ISO 228 BSP

Standard

TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	L	ØM	CH	ØK	Y	SW	LW	KG
G4K G 1/4	50 MPa	6	42	21,5	100	70	11	56,5	-	110	97,5	15,5	G 1/4	24	6,5	55	9	6	1,767
G4K G 3/8	50 MPa	10	53	28,5	115	80	14	71,5	-	180	101	15,5	G 3/8	30	6,5	65	14	10	3,018
G4K G 1/2	40 MPa	13	62	33	136	100	14	80,5	-	180	110	17	G 1/2	41	8,5	80	14	13	5,247
G4K G 3/4	35 MPa	20	68	36	156	113	14	86,5	-	300	116,5	21	G 3/4	41	8,5	85	14	20	6,898
G4K G 1	35 MPa	25	82	47,5	181	118	14	100,5	138	300	130,5	24	G 1	50	8,5	85	14	25	9,005
G4K G 1 1/4 R	35 MPa	25	82	47,5	181	118	14	100,5	138	300	130,5	24	G 1 1/4	55	8,5	85	14	25	8,989
G4K G 1 1/2 R	35 MPa	25	82	47,5	181	118	14	100,5	138	300	130,5	24	G 1 1/2	60	8,5	85	14	25	9,213

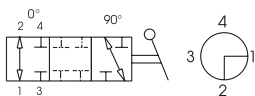
G4K ANSI/ASME B1.20.1 NPT

Standard

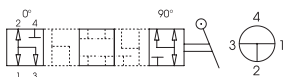
TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	L	ØM	CH	ØK	Y	SW	LW	KG
G4K N 1/4	50 MPa	6	42	21,5	100	70	11	56,5	-	110	97,5	15,5	N 1/4	24	6,5	55	9	6	1,767
G4K N 3/8	50 MPa	10	53	28,5	115	80	14	71,5	-	180	101	15,5	N 3/8	30	6,5	65	14	10	3,018
G4K N 1/2	40 MPa	13	62	33	136	100	14	80,5	-	180	110	17	N 1/2	41	8,5	80	14	13	5,247
G4K N 3/4	35 MPa	20	68	36	156	113	14	86,5	-	300	116,5	21	N 3/4	41	8,5	85	14	20	6,898
G4K N 1	35 MPa	25	82	47,5	181	118	14	100,5	138	300	130,5	24	N 1	50	8,5	85	14	25	9,005
G4K N 1 1/4 R	35 MPa	25	82	47,5	181	118	14	100,5	138	300	130,5	24	N 1 1/4	55	8,5	85	14	25	8,989
G4K N 1 1/2 R	35 MPa	25	82	47,5	181	118	14	100,5	138	300	130,5	24	N 1 1/2	60	8,5	85	14	25	9,213

Standard schemes

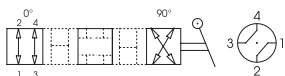
L scheme G4 K01



T scheme G4 K13



X scheme G4 K14



G4K DIN ISO 228 BSP

Standard

CARBON STEEL	
ØLW-K01	ITEM CODE G4K01
6	G24GGT15011A000
10	G24GGT25011A000
13	G24GGT34011A000
19	G24GGT43011A000
23	G24GGT53011A000
23	G24GGR63011A000
23	G24GGR73011A000

CARBON STEEL	
ØLW-K13	ITEM CODE G4K13
6	G2DGGT15011A000
10	G2DGGT25011A000
13	G2DGGT34011A000
19	G2DGGT43011A000
23	G2DGGT53011A000
23	G2DGGR63011A000
23	G2DGGR73011A000

CARBON STEEL	
ØLW-K14	ITEM CODE G4K14
5	G2EGGT15011A000
7	G2EGGT25011A000
10	G2EGGT34011A000
15	G2EGGT43011A000
17	G2EGGT53011A000
17	G2EGGR63011A000
17	G2EGGR73011A000

G4K ANSI/ASME B1.20.1 NPT

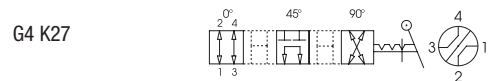
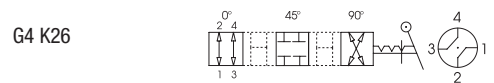
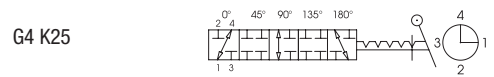
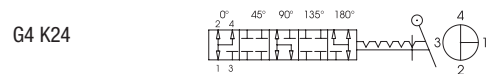
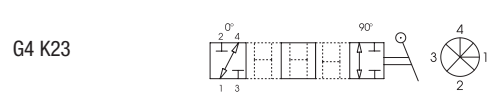
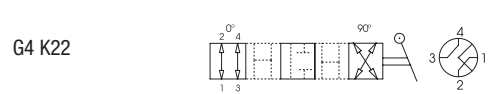
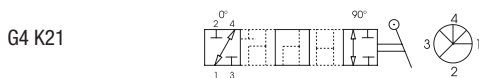
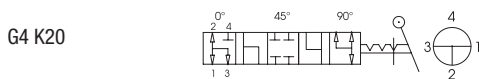
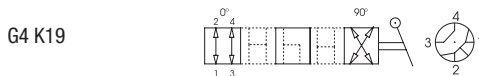
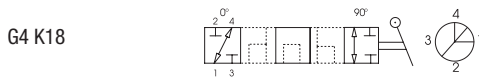
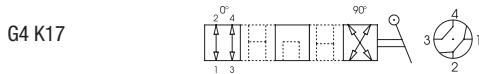
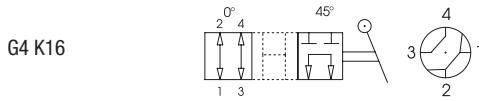
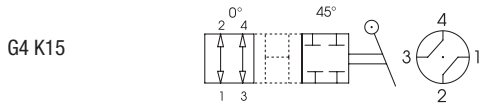
Standard

CARBON STEEL	
ØLW-K01	ITEM CODE G4K01
6	G24NNT15011A000
10	G24NNT25011A000
13	G24NNT34011A000
19	G24NNT43011A000
23	G24NNT53011A000
23	G24NNR63011A000
23	G24NNR73011A000

CARBON STEEL	
ØLW-K13	ITEM CODE G4K13
6	G2DNNT15011A000
10	G2DNNT25011A000
13	G2DNNT34011A000
19	G2DNNT43011A000
23	G2DNNT53011A000
23	G2DNNR63011A000
23	G2DNNR73011A000

CARBON STEEL	
ØLW-K14	ITEM CODE G4K14
5	G2ENNT15011A000
7	G2ENNT25011A000
10	G2ENNT34011A000
15	G2ENNT43011A000
17	G2ENNT53011A000
17	G2ENNR63011A000
17	G2ENNR73011A000

Special schemes on request



— GPK

GPK2 - GPK3

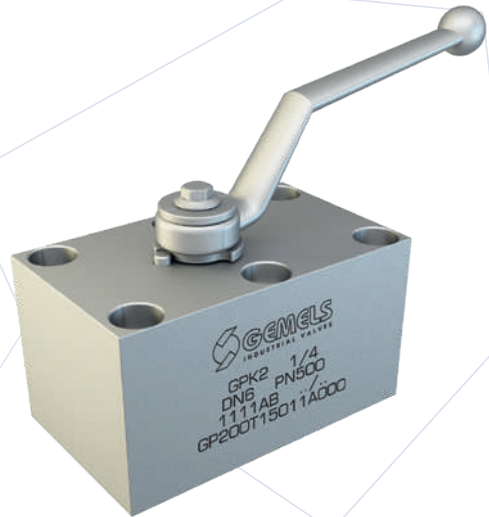


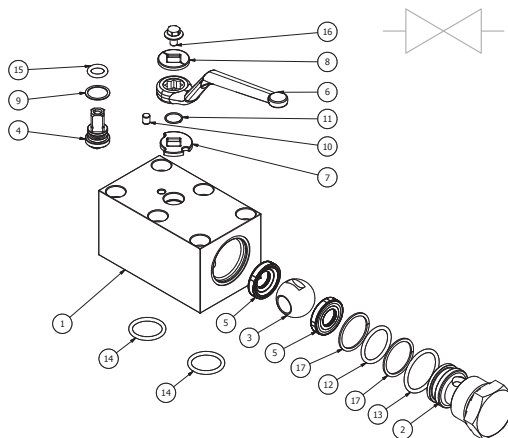
GPK2

2-WAY HIGH PRESSURE BALL VALVES

CARBON STEEL

- Type: ball valve GPK 2 way
- Body: square
- Ball seats: from DN6 up to DN50
- Operating pressure: 500 Bar
depending on valve size and seal materials selected
- Temp range: -20°C to +100°C
depending on seal material selected





CARBON STEEL

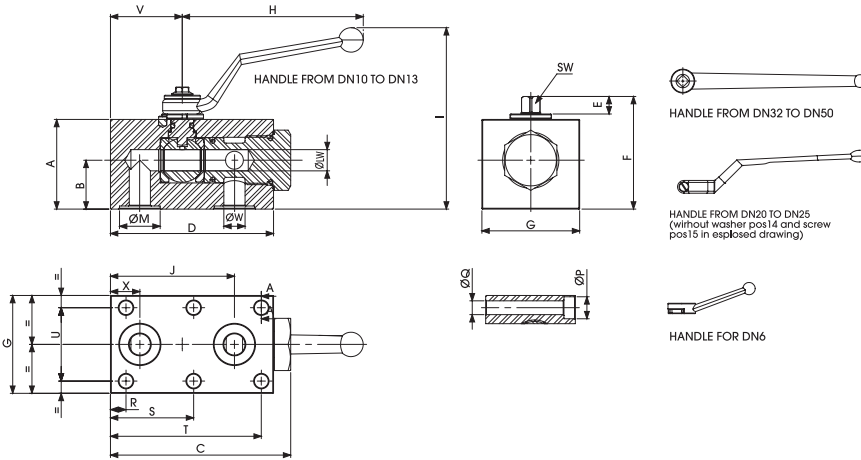
POS	DESCRIPTION	MATERIAL	Q.TY
1	Body	1,0737	1
2	Adapter	1,0737	1
3	Ball	1,0737	1
4	Stem	1,0737	1
5	Ball seat	POM	2
6	Handle	ZINC	1
7	Washer	1,0116	1
8	Washer	1,0116	1
9	Stem ring	POM	1
10	Spine	1,0737	1
11	Seeger	1,4301	1
12	Adapter o-ring	NBR	1
13	Adapter o-ring	NBR	1
14	Body o-ring	NBR	2
15	Stem o-ring	NBR	1
16	Screw	Din 6921 8.8	1
17	Back-Up	PTFE	2

CARBON STEEL

GPK2	DN13	1	1	1	1	A	B
TYPE AND WAY OF VALVE	NOMINAL DIMENSION	BODY MATERIAL	ADAPTER MATERIAL	STEM MATERIAL	BALL MATERIAL	BALL SEAT MATERIAL	ADAPTER AND STEM SEAL MATERIAL
GPK 2-way	DN6 DN10 DN13 DN20 DN25 DN32 DN40 DN50	1 1,0737	1 1,0737	1 1,0737 4 1,4404*	1 1,0737 4 1,4404*	A POM D PEEK* G PA612* K GEMPTFE* C PTFE*	B NBR E FKM*

- *On request:
- Reduced bore
 - Pressure class up to PN50 Mpa
 - Pneumatic and electrical actuator
 - Locking device

For further special requests please consult our technical/commercial service



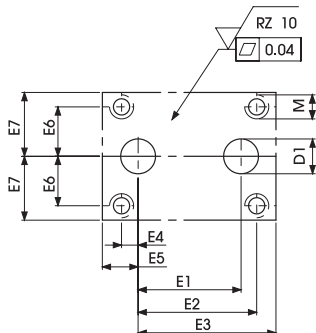
GPK2 DIN ISO 228 BSP

Standard

CARBON STEEL

TYPE	PN	DN	A	B	C	D	E	F	G	H	I	ØM	ØW	X	J	ØP	ØQ	R	S	T	U	V	SW	ØLW	Kg	ITEM CODE
GPK2	50 MPa	6	35	22,5	64,5	58	7,5	42,5	40	60	61	11,8	6	9,5	44,5	10,5	6,5	9	-	44	27	26,5	6	6	0,593	GP200T15011A000
GPK2	50 MPa	10	45	22,5	79,5	70	11	59	55	110	101	14,9	9,8	10	54	13,5	8,5	7,5	-	62,5	40	28,75	9	10	1,304	GP200T25011A000
GPK2	40 MPa	13	55	30	110,5	100	11	69	60	110	111	24,9	13	18	76	13,5	8,5	9,5	51	92,5	45	44	9	13	2,387	GP200T34011A000
GPK2	35 MPa	20	70	38,5	129	118	14	88,5	70	180	121,5	29	20	21	90	16,5	10,5	11,5	60	108,5	51	52	14	20	4,079	GP200T43011A000
GPK2	35 MPa	25	79,5	44	146	135	14	98	80	180	131	34,9	25	24	105	16,5	10,5	9	66,5	124	60	61,25	14	25	5,883	GP200T53011A000
GPK2	35 MPa	32	105,5	58,75	183,5	165	14	124	100	300	124	39,7	32	28	124	19	13	11	79	147	78	74	17	32	12,169	GP200T63011A000
GPK2	35 MPa	40	115	61,25	201,5	185	14	133,5	130	300	134	47,7	37	29	141	25	16,5	29	85	141	95	85	17	40	18,624	GP200T73011A000
GPK2	35 MPa	50	129	72	256,5	240	14	147	150	300	147,5	59,8	48	38	174	31	21	38	106	174	112	106	17	48	30,644	GP200T83011A000

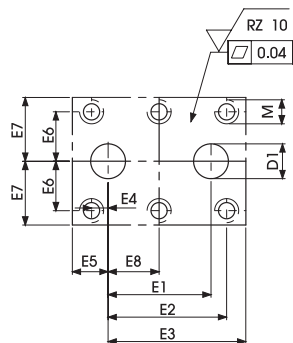
DRILLING PATTERN FOR DN6 TO DN1



DRILLING PATTERN FOR DN6 TO DN10

DN	D1	E1	E2	E3	E4	E5	E6	E7	M	O-RING
6	6	35	34,5	48,5	0,5	9,5	13,5	20	M6	9,92 x 2,62
10	9,5	44	52,5	60	2,5	10	20	27,5	M8	10,3 x 2,4

DRILLING PATTERN FOR DN13 TO DN50



DRILLING PATTERN FOR DN13 TO DN50

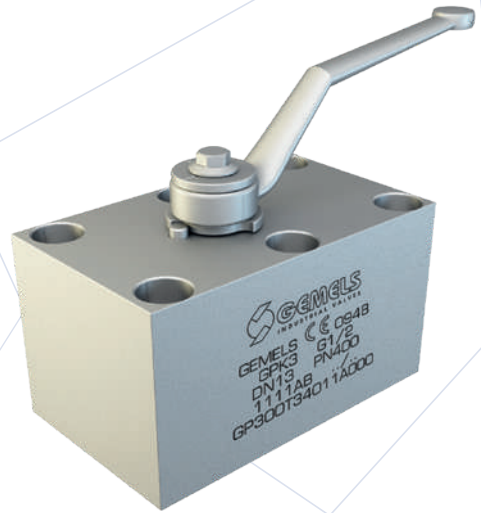
DN	D1	E1	E2	E3	E4	E5	E6	E7	E8	M	O-RING
13	13	58	74,5	82	8,5	18	22,5	30	33	M8	20,64 x 2,62
20	20	69	87,5	97	9,5	21	25,5	35	39	M10	23,81 x 2,62
25	25	81	100	111	15	24	30	40	43	M10	29 x 3
32	32	96	119	137	17	28	78	50	51	M12	34,59 x 2,62
40	37	##	112	156	0	29	47,5	65	56	M16	42 x 3
50	48	##	136	202	0	38	56	75	68	M20	54 x 3

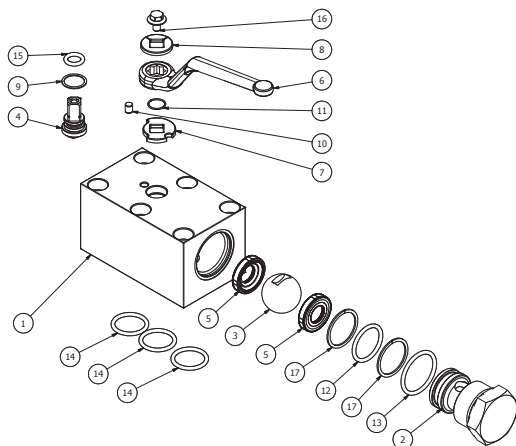
GPK3

3-WAY HIGH PRESSURE BALL VALVES

CARBON STEEL

- Type: ball valve GPK 3 way
- Body: square
- Ball seats: from DN6 up to DN50
- Operating pressure: 500 Bar
depending on valve size and seal materials selected
- Temp range: -20°C to +100°C
depending on seal material selected



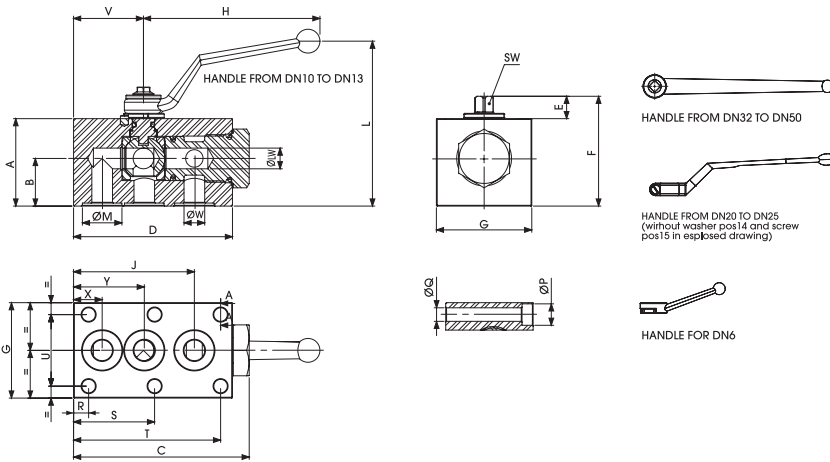


CARBON STEEL			
POS	DESCRIPTION	MATERIAL	Q.TY
1	Body	1,0737	1
2	Adapter	1,0737	1
3	Ball	1,0737	1
4	Stem	1,0737	1
5	Ball seat	POM	2
6	Handle	ZINC	1
7	Washer	1,0116	1
8	Washer	1,0116	1
9	Stem ring	POM	1
10	Spine	1,0737	1
11	Seeger	1,4301	1
12	Adapter o-ring	NBR	1
13	Adapter o-ring	NBR	1
14	Body o-ring	NBR	3
15	Stem o-ring	NBR	1
16	Screw	Din 6921 8.8	1
17	Back-Up	PTFE	2

CARBON STEEL							
GPK3	DN13	1	1	1	1	A	B
TYPE AND WAY OF VALVE	NOMINAL DIMENSION	BODY MATERIAL	ADAPTER MATERIAL	STEM MATERIAL	BALL MATERIAL	BALL SEAT MATERIAL	ADAPTER AND STEM SEAL MATERIAL
GPK 3-way	DN6 DN10 DN13 DN20 DN25 DN32 DN40 DN50	1 1,0737	1 1,0737	1 1,0737 4 1,4404*	1 1,0737 4 1,4404*	A POM D PEEK* G PA612* K GEMPTFE* C PTFE*	B NBR E FKM*

- *On request:
- Reduced bore
 - Pressure class up to PN50 Mpa
 - Pneumatic and electrical actuator
 - Locking device

For further special requests please consult our technical/commercial service



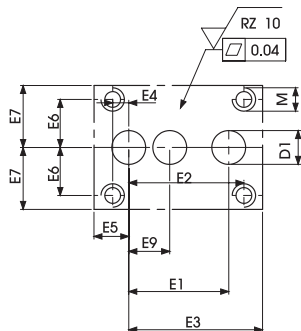
GPK3

Standard

CARBON STEEL

TYPE	PN	DN	A	B	C	D	E	F	G	H	I	ØM	ØW	X	J	Y	ØP	ØQ	R	S	T	U	V	SW	ØLW	Kg	ITEM CODE
GPK3	50 MPa	6	35	22,5	65	58	7,5	42,5	40	110	61	11,8	6	9,5	44,5	27	10,5	6,5	9	-	44	27	26,5	6	6	0,593	GP300T15011A000
GPK3	50 MPa	10	45	22,5	80	70	11	59	55	110	101	14,9	9,8	10	54	29	13,5	8,5	7,5	-	62,5	40	28,75	9	10	1,304	GP300T25011A000
GPK3	40 MPa	13	55	30	111	100	11	69	60	110	111	24,9	13	18	76	44,5	13,5	8,5	9,5	51	92,5	45	44	9	13	2,387	GP300T34011A000
GPK3	35 MPa	20	70	38,5	129	118	14	88,5	70	180	121,5	29	20	21	90	52	16,5	10,5	11,5	60	108,5	51	52	14	20	4,079	GP300T43011A000
GPK3	35 MPa	25	80	44	146	135	14	98	80	180	131	34,9	25	24	105	62	16,5	10,5	9	66,5	124	60	61,25	14	25	5,883	GP300T53011A000
GPK3	35 MPa	32	106	58,8	184	165	14	124	100	300	124	39,7	32	28	124	74	19	13	11	79	147	78	74	17	32	12,169	GP300T63011A000
GPK3	35 MPa	40	115	61,3	202	185	14	133,5	130	300	134	47,7	37	29	141	85	25	16,5	29	85	141	95	85	17	40	18,624	GP300T73011A000
GPK3	35 MPa	50	129	72	257	240	14	147	150	300	147,5	59,8	48	38	174	106	31	21	38	106	174	112	106	17	48	30,644	GP300T83011A000

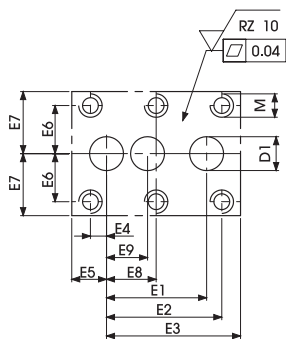
DRILLING PATTERN FOR DN6 TO DN10



DRILLING PATTERN FOR DN6 TO DN10

DN	D1	E1	E2	E3	E4	E5	E6	E7	E9	M	O-RING
6	6	35	34,5	48,5	0,5	9,5	13,5	20	17,5	M6	9.92 x 2.62
10	9,5	44	52,5	60	2,5	10	20	27,5	19	M8	10,3 x 2,4

DRILLING PATTERN FOR DN13 TO DN50



DRILLING PATTERN FOR DN13 TO DN50

DN	D1	E1	E2	E3	E4	E5	E6	E7	E8	E9	M	O-RING
13	13	58	74,5	82	8,5	18	22,5	30	33	27	M8	20.64 x 2.62
20	20	69	87,5	97	9,5	21	25,5	35	39	31	M10	23.81 x 2.62
25	25	81	100	111	15	24	30	40	43	38	M10	29 x 3
32	32	96	119	137	17	28	78	50	51	46	M12	34.59 x 2.62
40	37	112	112	156	0	29	47,5	65	56	56	M16	42 x 3
50	48	136	136	202	0	38	56	75	68	68	M20	54 x 3

GR

GRC - GRS - GHP



GRC

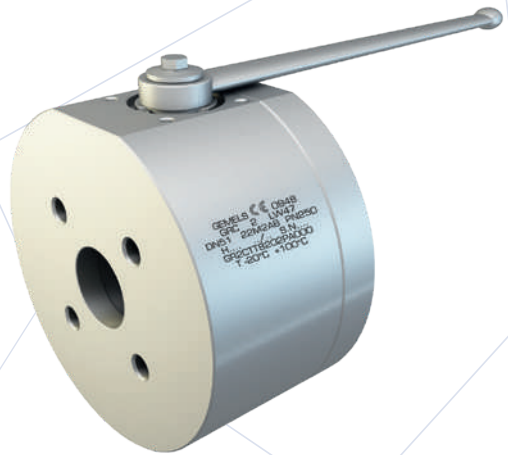
2-WAY HIGH PRESSURE BALL VALVES

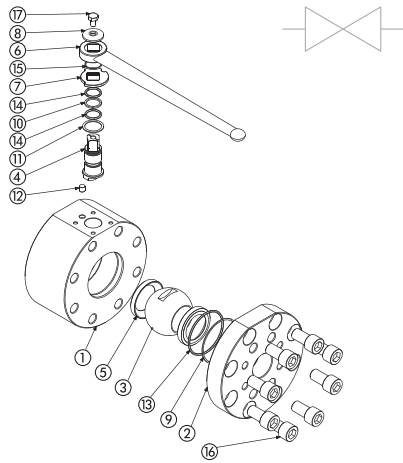
CARBON STEEL

- Type: ball valve GRC 2 way
- Body: round
- Ball seats: from DN80 up to DN125
- Operating pressure: PN250-PN350-PN400
depending on valve size and seal materials selected
- Temp range: -20°C to +100°C
depending on seal material selected

STAINLESS STEEL

- Type: ball valve GRC 2 way
- Body: round
- Ball seats: from DN80 up to DN125
- Operating pressure: PN250-PN350-PN400
depending on valve size and seal materials selected
- Temp range: -30°C to +100°C
depending on seal material selected





CARBON STEEL			
POS	DESCRIPTION	MATERIAL	Q.TY
1	Body	1,0570	1
2	Flange	1,0570	1
3	Ball	1,0570	1
4	Stem	1,4542	1
5	Seat	POM	2
6	Handle	1,0116	1
7	Washer	1,0116	1
8	Washer	1,0116	1
9	Flange Back-Up	PTFE	1
10	Stem Back-Up	PTFE	1
11	Stem Ring	PTFE	1
12	Pin	1,0737	1
13	Flange o-ring	NBR	1
14	Stem o-ring	NBR	2
15	Seeger	1,4301	1
16	T.C.E.I. Screw	DIN6921 8.8	8
17	T.E. Screw	DIN6921 8.8	1

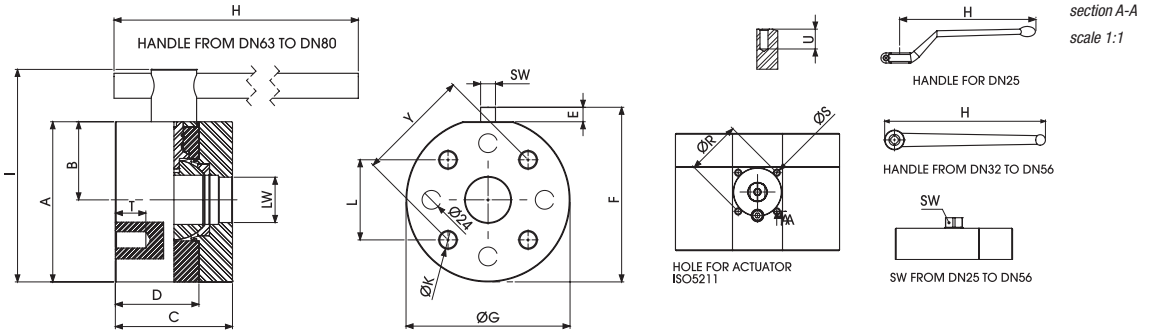
CARBON STEEL								
GRC	250	DN51	2	2	M	2	A	B
TYPE AND WAY OF VALVE	VALVES DIMENSION OF PRESSURE (PSI)	NOMINAL DIMENSION	BODY MATERIAL	ADAPTER MATERIAL	STEM MATERIAL	BALL MATERIAL	BALL SEAT MATERIAL	ADAPTER AND STEM SEAL MATERIAL
GRC 2-way	PN250 PN350 PN400	DN25 DN32 DN38 DN40 DN50 DN51 DN56 DN63 DN65 DN80 DN100 DN125	2 1,0570	2 1,0570	M 1,4542	2 1,0570 4 1,4404*	A POM D PEEK* G PAG12* K GEMPTFE* C PTFE*	B NBR E FKM* F EPDM* L MVQ*

STAINLESS STEEL			
POS	DESCRIPTION	MATERIAL	Q.TY
1	Body	1,4404	1
2	Flange	1,4404	1
3	Ball	1,4404	1
4	Stem	1,4542	1
5	Seat	POM	2
6	Handle	1,0116	1
7	Washer	1,0116	1
8	Washer	1,0116	1
9	Flange Back-Up	PTFE	1
10	Stem Back-Up	PTFE	1
11	Stem Ring	PTFE	1
12	Pin	1,4404	1
13	Flange o-ring	NBR	1
14	Stem o-ring	NBR	2
15	Seeger	1,4301	1
16	T.C.E.I. Screw	ISO4762 A2	8
17	T.E. Screw	ISO4762 A2	1

STAINLESS STEEL								
GRC	250	DN51	4	4	M	4	A	B
TYPE AND WAY OF VALVE	VALVES DIMENSION OF PRESSURE (PSI)	NOMINAL DIMENSION	BODY MATERIAL	ADAPTER MATERIAL	STEM MATERIAL	BALL MATERIAL	BALL SEAT MATERIAL	ADAPTER AND STEM SEAL MATERIAL
GRC 2-way	PN250 PN350 PN400	DN25 DN32 DN38 DN40 DN50 DN51 DN56 DN63 DN65 DN80 DN100 DN125	4 1,4404	4 1,4404	M 1,4542	4 1,4404	A POM D PEEK* G PAG12* K GEMPTFE* C PTFE*	B NBR E FKM* F EPDM* L MVQ*

- *On request:
- Reduced bore
 - Special Threads
 - Pressure class up to PN40 Mpa
 - Pneumatic and electrical actuator
 - Locking device

For further special requests please consult our technical/commercial service



GRC CETOP250 ISO6164

Standard

TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	L	Y	K	ØR	ØS	ISO5211	T	U	SW	LW	KG	CARBON STEEL	STAINLESS STEEL
																							ITEM CODE	ITEM CODE
GRC250	25 MPa	25	98,5	39,5	88	69	14	113	118	180	146	43,8	62	4xM10	50	M6	F05	20	10	14	25	6,317	GR2CTT52022A000	GR2CTT52044A000
GRC250	25 MPa	32	143,5	71	100	73	14	162	145	300	171	51,6	73	4xM12	50	M6	F05	21	10	17	32	12,228	GR2CTT6202PA000	GR2CTT6204NA000
GRC250	25 MPa	38	160	78	110	80	14	178,5	165	300	187,5	60,1	85	4xM16	50	M6	F05	24,5	10	17	38	16,867	GR2CTT7202PA000	GR2CTT7204NA000
GRC250	25 MPa	51	192	93	116	90	14	206	196	300	214,5	69,3	98	4xM16	70	M8	F07	25,5	10	17	47	32,855	GR2CTT8202PA000	GR2CTT8204NA000
GRC250	25 MPa	56	192	93	150	107	14	206	203	300	214,5	83,4	118	4xM20	70	M8	F07	33	10	17	58	32,855	GR2CTT9202PA000	GR2CTT9204NA000
GRC250	25 MPa	63	205	100	150	107	18	223	210	600	272	102,5	145	4xM20	70	M8	F07	36	13	19	70	36,569	GR2CTTA202PA000	GR2CTTA204NA000

GRC CETOP350 ISO6164

Standard

TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	L	Y	K	ØR	ØS	ISO5211	T	U	SW	LW	KG	CARBON STEEL	STAINLESS STEEL
																							ITEM CODE	ITEM CODE
GRC350	35 MPa	25	102,5	39,5	88	69	14	117	118	180	117	50,9	72	4xM12	50	M6	F05	20	10	14	25	7,2	GR2CTT53022A000	GR2CTT53044A000
GRC350	35 MPa	32	141	68	105	75,5	14	158	145	300	158	56,6	80	4xM16	50	M6	F05	24	10	17	32	12,5	GR2CTT6302PA000	GR2CTT6304NA000
GRC350	35 MPa	40	161	78	110	80	14	178	165	300	178	69,5	98	4xM16	50	M6	F05	25	10	17	38	16,6	GR2CTT7302PA000	GR2CTT7304NA000
GRC350	35 MPa	50	193	94	116	90	14	210	196	300	210	83,5	118	4xM20	70	M8	F07	28	10	17	48	25	GR2CTT8302PA000	GR2CTT8304NA000
GRC350	35 MPa	65	204	100	150	107	21	224	208	600	270	102,5	145	4xM24	70	M8	F07	36	10	19	63	44	GR2CTT9302PA000	GR2CTT9304NA000
GRC350	35 MPa	80	208	100	150	107	22	233,5	215	600	279	123,7	175	4xM30	70	M8	F07	36	13	19	75	45	GR2CTTA302PA000	GR2CTTA304NA000
GRC350	35 MPa	100	251	122	200	147	26,5	277	258	600	327	141,5	200	8xM24	102	M10	F10	40	13	24	95	70	GR2CTTB302PA000	GR2CTTB304NA000
GRC350	35 MPa	125	303	148	220	170	32	330	310	900	389	-	245	8xM30	125	M12	F12	40	13	36	118	109	GR2CTTC302PA000	GR2CTTC304NA000

GRC CETOP400 ISO6164

Standard

TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	L	Y	K	ØR	ØS	ISO5211	T	U	SW	LW	KG	CARBON STEEL	STAINLESS STEEL
																							ITEM CODE	ITEM CODE
GRC400	40 MPa	25	98,5	39,5	88	69	14	113	118	180	146	43,8	62	4xM10	50	M6	F05	20	10	14	25	6,317	GR2CTT54022A000	GR2CTT54044A000
GRC400	40 MPa	32	143,5	71	100	73	14	162	145	300	171	51,6	73	4xM12	50	M6	F05	21	10	17	32	12,228	GR2CTT6402PA000	GR2CTT6404NA000
GRC400	40 MPa	38	160	78	110	80	14	178,5	165	300	187,5	60,1	85	4xM16	50	M6	F05	24,5	10	17	38	16,867	GR2CTT7402PA000	GR2CTT7404NA000
GRC400	40 MPa	51	192	93	116	90	14	206	196	300	214,5	69,3	98	4xM16	70	M8	F07	25,5	10	17	47	32,855	GR2CTT8402PA000	GR2CTT8404NA000
GRC400	40 MPa	56	192	93	150	107	14	206	203	300	214,5	83,4	118	4xM20	70	M8	F07	33	10	17	58	32,855	GR2CTT9402PA000	GR2CTT9404NA000
GRC400	40 MPa	63	205	100	150	107	18	223	210	600	272	102,5	145	4xM24	70	M8	F07	36	13	19	70	36,569	GR2CTTA402PA000	GR2CTTA404NA000
GRC400	40 MPa	80	251	122	170	132	26,5	278	258	600	325	123,7	175	4xM30	102	M10	F10	38	13	24	74	65,411	GR2CTTB402PA000	GR2CTTB404NA000

GRS

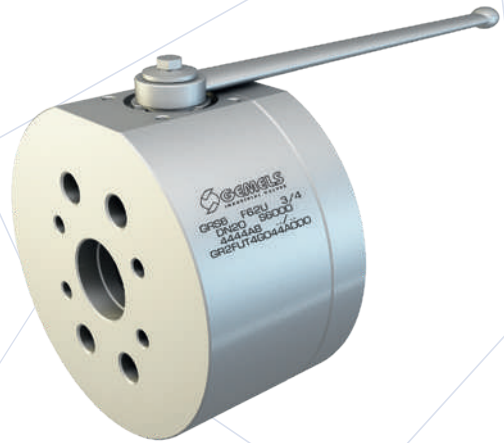
2-WAY HIGH PRESSURE BALL VALVES

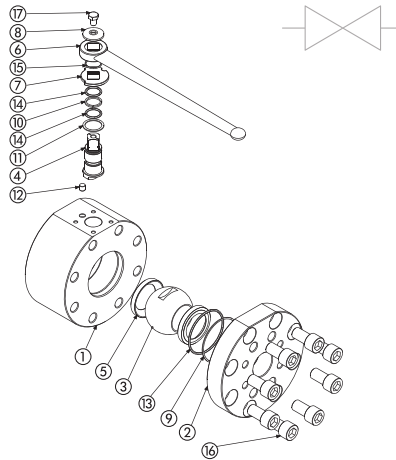
CARBON STEEL

- Type: ball valve GR 2 way
- Body: round
- Ball seats: from DN13 up to DN125
- Operating pressure: S3000 (210 bar) S6000 (420 bar)
depending on valve size and seal materials selected
- Temp range: -20°C to +100°C
depending on seal material selected

STAINLESS STEEL

- Type: ball valve GR 2 way
- Body: round
- Ball seats: from DN13 up to DN125
- Operating pressure: S3000 (210 bar) S6000 (420 bar)
depending on valve size and seal materials selected
- Temp range: -30°C to +100°C
depending on seal material selected





CARBON STEEL			
POS	DESCRIPTION	MATERIAL	Q.TY
1	Body	1,0570	1
2	Flange	1,0570	1
3	Ball	1,0570	1
4	Stem	1,4542	1
5	Seat	POM	2
6	Handle	1,0116	1
7	Washer	1,0116	1
8	Washer	1,0116	1
9	Flange Back-Up	PTFE	1
10	Stem Back-Up	PTFE	1
11	Stem Ring	PTFE	1
12	Pin	1,0737	1
13	Flange o-ring	NBR	1
14	Stem o-ring	NBR	2
15	Seeger	1,4301	1
16	T.C.E.I. Screw	DIN6921 8.8	8
17	T.E. Screw	DIN6921 8.8	1

CARBON STEEL									
GR	S3	DN50	2	2	M	2	A	B	
TYPE AND WAY OF VALVE	VALVES DIMENSION OF PRESSURE (PSI)		NOMINAL DIMENSION	BODY MATERIAL	ADAPTER MATERIAL	STEM MATERIAL	BALL MATERIAL	BALL SEAT MATERIAL	ADAPTER AND STEM SEAL MATERIAL
	S3	S6							
GB 2-way	S3000	S6000	DN13 DN20 DN25 DN32 DN40 DN50 DN65 DN80 DN100 DN125	2 1,0570	2 1,0570	M 1,4542	2 1,0570 4 1,4404*	A POM D PEEK* G PA612* K GEMPTFE* C PTFE*	B NBR E FKM* F EPDM* L MVQ*

STAINLESS STEEL			
POS	DESCRIPTION	MATERIAL	Q.TY
1	Body	1,4404	1
2	Flange	1,4404	1
3	Ball	1,4404	1
4	Stem	1,4542	1
5	Seat	POM	2
6	Handle	1,0116	1
7	Washer	1,0116	1
8	Washer	1,0116	1
9	Flange Back-Up	PTFE	1
10	Stem Back-Up	PTFE	1
11	Stem Ring	PTFE	1
12	Pin	1,4404	1
13	Flange o-ring	NBR	1
14	Stem o-ring	NBR	2
15	Seeger	1,4301	1
16	T.C.E.I. Screw	ISO4762 A2	8
17	T.E. Screw	ISO4762 A2	1

STAINLESS STEEL									
GR	S3	DN50	4	4	M	4	A	B	
TYPE AND WAY OF VALVE	VALVES DIMENSION OF PRESSURE (PSI)		NOMINAL DIMENSION	BODY MATERIAL	ADAPTER MATERIAL	STEM MATERIAL	BALL MATERIAL	BALL SEAT MATERIAL	ADAPTER AND STEM SEAL MATERIAL
	S3	S6							
GB 2-way	S3000	S6000	DN13 DN20 DN25 DN32 DN40 DN50 DN65 DN80 DN100 DN125	4 1,4404	4 1,4404	M 1,4542	4 1,4404	A POM D PEEK* G PA612* K GEMPTFE* C PTFE*	B NBR E FKM* F EPDM* L MVQ*

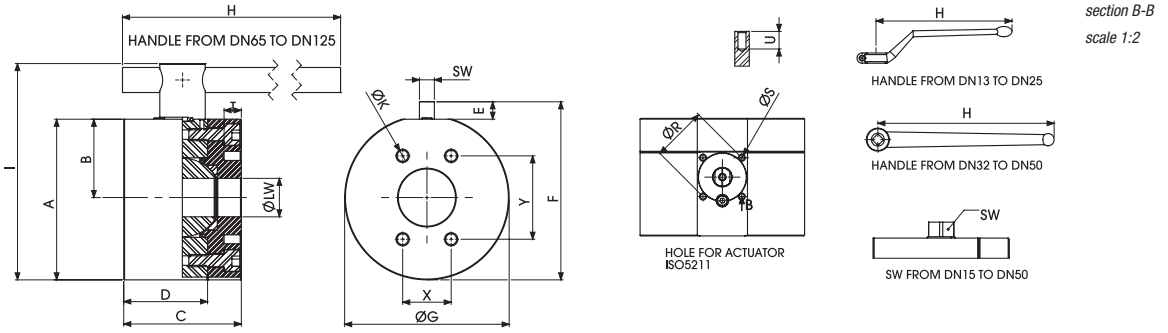
*On request:

- Reduced bore
- Special Threads

- Pressure class up to PN40 Mpa
- Pneumatic and electrical actuator

- Locking device

For further special requests please consult our technical/commercial service



section B-B
scale 1:2

GRS SAE J518 S3000

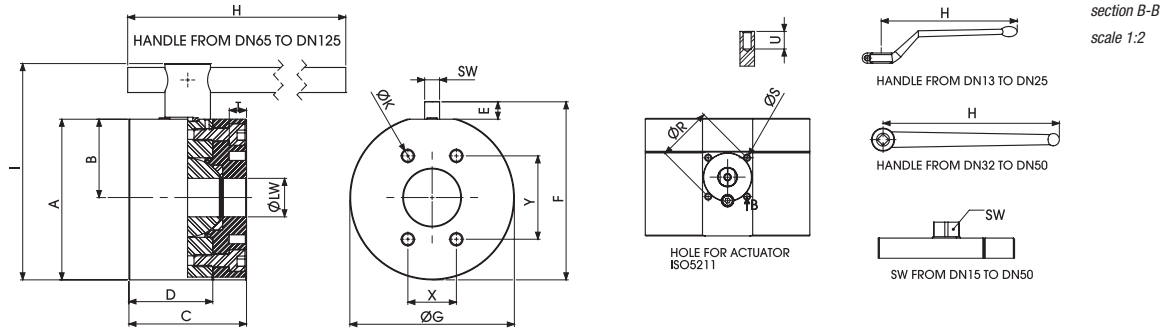
Standard

TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	Y	X	ØK	ØR	ØS	ISO5211	T	U	SW	ØLW	KG	CARBON STEEL	STAINLESS STEEL
																							ITEM CODE	ITEM CODE
GRS3	21 MPa	13	67	28	75	58	11	78,3	78	110	78,5	38,1	17,48	M8	36	M5	F03	18	10	9	13	2,405	GR2FFT3F022A000	GR2FFT3F044A000
GRS3	21 MPa	20	85,5	36,5	80	60	14	100	103	180	103	47,6	22,2	M10	50	M6	F05	18	10	14	20	3,902	GR2FFT4F022A000	GR2FFT4F044A000
GRS3	21 MPa	25	98,5	39,5	88	69	14	113	118	180	146	52,4	26,2	M10	50	M6	F05	19	10	14	25	6,317	GR2FFT5F022A000	GR2FFT5F044A000
GRS3	21 MPa	32	143,5	70,9	100	73	14	162	145	300	171	58,7	30,2	M10	50	M6	F05	20	10	17	32	12,228	GR2FFT6F022A000	GR2FFT6F044A000
GRS3	21 MPa	40	160	78	110	80	14	178,5	165	300	187,5	69,8	35,7	M12	50	M6	F05	20	10	17	38	16,867	GR2FFT7F022A000	GR2FFT7F044A000
GRS3	21 MPa	50	192	93	116	90	14	205,5	196	300	214,5	77,8	42,9	M12	70	M8	F07	20	10	17	48	25,606	GR2FFT8F022A000	GR2FFT8F044A000
GRS3	17,5 MPa	65	198	93	150	107	20,5	212	203	600	260	88,9	50,8	M12	70	M8	F07	20	13	19	63	32,717	GR2FFT9F022A000	GR2FFT9F044A000
GRS3	16 MPa	80	205	100	150	107	22	227,5	210	600	279	106,4	61,9	M16	70	M8	F07	24	13	19	73	36,413	GR2FFTA022A000	GR2FFTA044A000
GRS3	3,5 MPa	100	251	122	170	132	27	278	258	600	325	130,2	77,9	M16	102	M10	F10	24	13	24	95	61,273	GR2FTBF022A000	GR2FTBF044A000
GRS3	3,5 MPa	125	288	140	210	160	35	322	310	600	372,5	152,4	92,1	M16	125	M12	F12	30	17	36	115	98,048	GR2FTCF022A000	GR2FTCF044A000

GRS SAE J518 S3000 UNC

Standard

TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	Y	X	ØK	ØR	ØS	ISO5211	T	U	SW	ØLW	KG	CARBON STEEL	STAINLESS STEEL
																							ITEM CODE	ITEM CODE
GRS3	21 MPa	13	67	28	75	58	11	78,3	78	110	78,5	38,1	17,48	5/16 UNC	36	M5	F03	18	10	9	13	2,405	GR2FUT3F022A000	GR2FUT3F044A000
GRS3	21 MPa	20	85,5	36,5	80	60	14	100	103	180	103	47,6	22,2	3/8 UNC	50	M6	F05	18	10	14	20	3,902	GR2FUT4F022A000	GR2FUT4F044A000
GRS3	21 MPa	25	98,5	39,5	88	69	14	113	118	180	146	52,4	26,2	3/8 UNC	50	M6	F05	19	10	14	25	6,317	GR2FUT5F022A000	GR2FUT5F044A000
GRS3	21 MPa	32	143,5	70,9	100	73	14	162	145	300	171	58,7	30,2	7/16 UNC	50	M6	F05	20	10	17	32	12,228	GR2FUT6F022A000	GR2FUT6F044A000
GRS3	21 MPa	40	160	78	110	80	14	178,5	165	300	187,5	69,8	35,7	1/2 UNC	50	M6	F05	20	10	17	38	16,867	GR2FUT7F022A000	GR2FUT7F044A000
GRS3	21 MPa	50	192	93	116	90	14	205,5	196	300	214,5	77,8	42,9	1/2 UNC	70	M8	F07	20	10	17	48	25,606	GR2FUT8F022A000	GR2FUT8F044A000
GRS3	17,5 MPa	65	198	93	150	107	20,5	212	203	600	260	88,9	50,8	1/2 UNC	70	M8	F07	20	13	19	63	32,717	GR2FUT9F022A000	GR2FUT9F044A000
GRS3	16 MPa	80	205	100	150	107	22	227,5	210	600	279	106,4	61,9	5/8 UNC	70	M8	F07	24	13	19	73	36,413	GR2FUTA022A000	GR2FUTA044A000
GRS3	3,5 MPa	100	251	122	170	132	27	278	258	600	325	130,2	77,9	5/8 UNC	102	M10	F10	24	13	24	95	61,273	GR2FUTBF022A000	GR2FUTBF044A000
GRS3	3,5 MPa	125	288	140	210	160	35	322	310	600	372,5	152,4	92,1	5/8 UNC	125	M12	F12	30	17	36	115	98,048	GR2FUTC022A000	GR2FUTC044A000



GRS SAE J518 S6000

Standard

TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	Y	X	ØK	ØR	ØS	ISO5211	T	U	SW	ØLW	KG	CARBON STEEL	STAINLESS STEEL
																							ITEM CODE	ITEM CODE
GRS6	42 MPa	13	67	28	75	58	11	78,3	78	110	78,5	40,49	18,24	M8	36	M5	F03	18	10	9	13	2,405	GR2FFT3G022A000	GR2FFT3G044A000
GRS6	42 MPa	20	85,5	36,5	80	60	14	100	103	180	103	50,8	23,8	M10	50	M6	F05	18	10	14	20	3,902	GR2FFT4G022A000	GR2FFT4G044A000
GRS6	42 MPa	25	98,5	39,5	88	69	14	113	118	180	146	57,2	27,8	M12	50	M6	F05	19	10	14	25	6,317	GR2FFT5G022A000	GR2FFT5G044A000
GRS6	42 MPa	32	143,5	70,9	100	73	14	162	145	300	171	66,7	31,8	M12	50	M6	F05	22	10	17	32	12,228	GR2FFT6G02PA000	GR2FFT6G04NA000
GRS6	42 MPa	40	160	78	110	80	14	178,5	165	300	187,5	79,4	36,5	M16	50	M6	F05	22	10	17	38	16,867	GR2FFT7G02PA000	GR2FFT7G04NA000
GRS6	42 MPa	50	192	93	116	90	14	205,5	196	300	214,5	96,8	44,5	M20	70	M8	F07	28	10	17	48	25,606	GR2FFT8G02PA000	GR2FFT8G04NA000

GRS SAE J518 S6000 UNC

Standard

TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	Y	X	ØK	ØR	ØS	ISO5211	T	U	SW	ØLW	KG	CARBON STEEL	STAINLESS STEEL
																							ITEM CODE	ITEM CODE
GRS6	42 MPa	13	67	28	75	58	11	78,3	78	110	78,5	40,49	18,24	$5/16$ UNC	36	M5	F03	18	10	9	13	2,405	GR2FUT3G022A000	GR2FUT3G044A000
GRS6	42 MPa	20	85,5	36,5	80	60	14	100	103	180	103	50,8	23,8	$3/8$ UNC	50	M6	F05	18	10	14	20	3,902	GR2FUT4G022A000	GR2FUT4G044A000
GRS6	42 MPa	25	98,5	39,5	88	69	14	113	118	180	146	57,2	27,8	$7/16$ UNC	50	M6	F05	19	10	14	25	6,317	GR2FUT5G022A000	GR2FUT5G044A000
GRS6	42 MPa	32	143,5	70,9	100	73	14	162	145	300	171	66,7	31,8	$1/2$ UNC	50	M6	F05	22	10	17	32	12,228	GR2FUT6G02PA000	GR2FUT6G04NA000
GRS6	42 MPa	40	160	78	110	80	14	178,5	165	300	187,5	79,4	36,5	$5/8$ UNC	50	M6	F05	22	10	17	38	16,867	GR2FUT7G02PA000	GR2FUT7G04NA000
GRS6	42 MPa	50	192	93	116	90	14	205,5	196	300	214,5	96,8	44,5	$3/4$ UNC	70	M8	F07	28	10	17	48	25,606	GR2FUT8G02PA000	GR2FUT8G04NA000

GHP

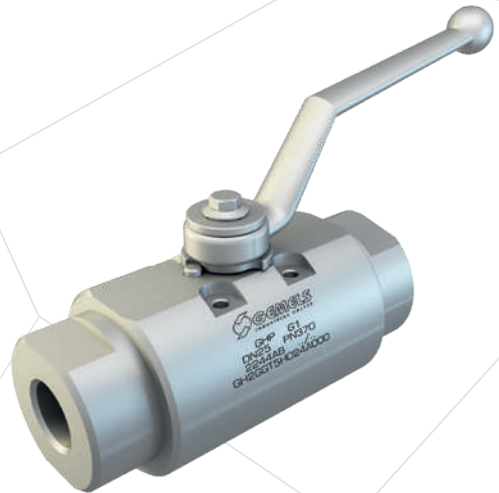
2-WAY HIGH PRESSURE BALL VALVES

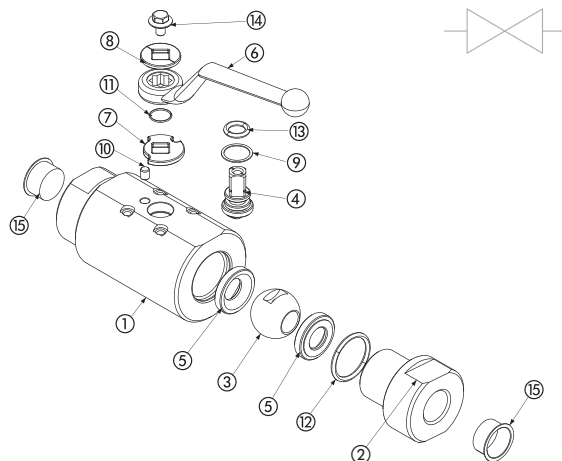
CARBON STEEL

- Type: ball valve GHP 2 way
- Body: square
- Ball seats: from DN13 up to DN100
- Operating pressure: 370 Bar
depending on valve size and seal materials selected
- Temp range: -20°C to +100°C
depending on seal material selected

STAINLESS STEEL

- Type: ball valve GHP 2 way
- Body: square
- Ball seats: from DN13 up to DN100
- Operating pressure: 370 Bar
depending on valve size and seal materials selected
- Temp range: -30°C to +100°C
depending on seal material selected





CARBON STEEL				
POS	DESCRIPTION	MATERIAL	Q.TY	
1	Body	1,0570	1	
2	Adapter	1,0570	1	
3	Ball	1,4404	1	
4	Stem	1,4404	1	
5	Ball seat	POM	2	
6	Handle	ZINC	1	
7	Washer	1,0116	1	
8	Washer	1,0116	1	
9	Stem ring	POM	1	
10	Spine	1,0737	1	
11	Seeger	1,4301	1	
12	Adapter o-ring	NBR	1	
13	Stem o-ring	NBR	1	
14	Screw	Din 6921 8.8	1	
15	Caps	PVC	2	

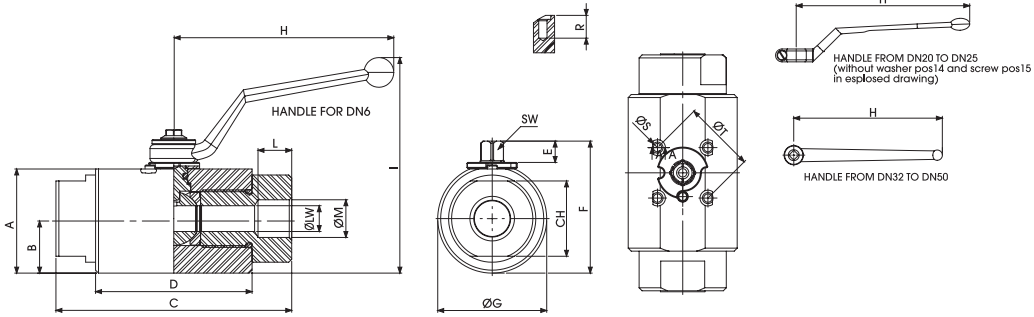
CARBON STEEL									
GHP	G1½	DN13	2	2	4	4	A	B	
TYPE AND WAY OF VALVE	GAS DIN/ ISO 228 BSP	NPT ANSI/ ASME B1.20.1	NOMINAL DIMENSION	BODY MATERIAL	ADAPTER MATERIAL	STEM MATERIAL	BALL MATERIAL	BALL SEAT MATERIAL	ADAPTER AND STEM SEAL MATERIAL
GHP 2-way	G ½	N ½	DN13	2 1,0570	2 1,0570	4 1,4404	4 1,4404	A POM D PEEK* G PA612* K GEMPTFE* C PTFE*	B NBR E FKM* F EPDM* L MVQ*
	G ¾	N ¾	DN20						
	G 1	N 1	DN25						
	G 1 ¼R	N 1 ¼R	DN32						
	G 1 ½R	N 1 ½R	DN40						
	G 2	N 2	DN50						
	G 2 ½	N 2 ½	DN65			M 1,4542			
	G 3	N 3	DN80						
	G 4	N 4	DN100						

STAINLESS STEEL				
POS	DESCRIPTION	MATERIAL	Q.TY	
1	Body	1,4404	1	
2	Adapter	1,4404	1	
3	Ball	1,4404	1	
4	Stem	1,4404	1	
5	Ball seat	POM	2	
6	Handle	ZINC	1	
7	Washer	1,4301	1	
8	Washer	1,4301	1	
9	Stem ring	POM	1	
10	Spine	1,4301	1	
11	Seeger	1,4301	1	
12	Adapter o-ring	NBR	1	
13	Stem o-ring	NBR	1	
14	Screw	Din 6921 A2	1	
15	Caps	PVC	2	

STAINLESS STEEL									
GHP	G1½	DN13	4	4	4	4	A	B	
TYPE AND WAY OF VALVE	GAS DIN/ ISO 228 BSP	NPT ANSI/ ASME B1.20.1	NOMINAL DIMENSION	BODY MATERIAL	ADAPTER MATERIAL	STEM MATERIAL	BALL MATERIAL	BALL SEAT MATERIAL	ADAPTER AND STEM SEAL MATERIAL
GHP 2-way	G ½	N ½	DN13	4 1,4404	4 1,4404	4 1,4404	4 1,4404	A POM D PEEK* G PA612* K GEMPTFE* C PTFE*	B NBR E FKM* F EPDM* L MVO*
	G ¾	N ¾	DN20						
	G 1	N 1	DN25						
	G 1 ¼R	N 1 ¼R	DN32						
	G 1 ½R	N 1 ½R	DN40						
	G 2	N 2	DN50						
	G 2 ½	N 2 ½	DN65			M 1,4542			
	G 3	N 3	DN80						
	G 4	N 4	DN100						

- *On request:
- Reduced bore
 - Special threads
 - Pressure class up to PN42 MPa
 - Pneumatic and electrical actuator
 - Security block
 - Locking device

For further special requests please consult our technical/commercial service

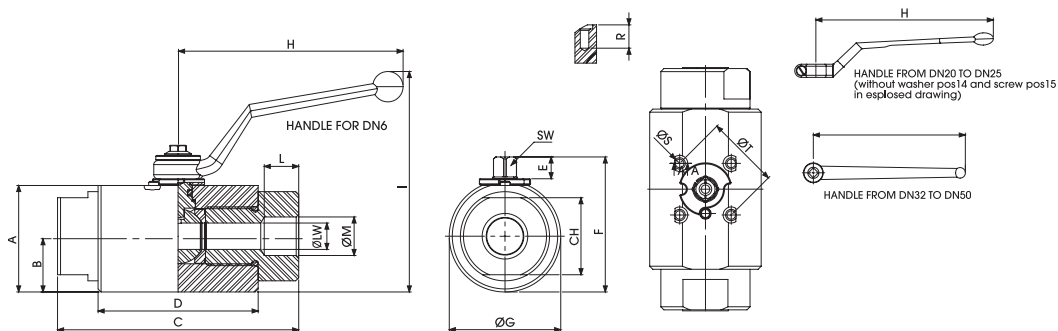


section A-A
scale 1:1

GHP DIN/ISO 228 BSP

Standard

TYPE	PN	DN	A	B	C	D	E	F	ØG	H	I	L	ØM	CH	ØT	ISO5211	ØS	R	SW	ØLW	KG	CARBON STEEL	STAINLESS STEEL
																						ITEM CODE	ITEM CODE
GHP G 1/2	37 MPa	13	53	27,5	119	79	11	66,5	55	110	102,5	17	G 1/2	38	36	F03	M5	9	9	13	1,81	GH2GGT3H024A000	GH2GGT3H044A000
GHP G 3/4	37 MPa	20	70	38,5	149	99	14	88,6	77	180	118	21	G 3/4	55	50	F05	M6	9	14	20	4,378	GH2GGT4H024A000	GH2GGT4H044A000
GHP G 1	37 MPa	25	80,5	45	168	105	14	99	90	180	129	24	G 1	60	50	F05	M6	9	14	25	6,219	GH2GGT5H024A000	GH2GGT5H044A000
GHP G 1 1/4	37 MPa	32	95	48,5	156	106	14	113	97	300	112	25	G 1 1/4	70	50	F05	M6	9	17	32	6,74	GH2GGT6H024A000	GH2GGT6H044A000
GHP G 1 1/2	37 MPa	40	111,5	58	166,5	110,5	14	130	116	300	128	25	G 1 1/2	75	50	F05	M6	9	17	40	10	GH2GGT7H024A000	GH2GGT7H044A000
GHP G 2	37 MPa	50	118,5	61,5	175	115	14	137	123	300	137	27	G 2	85	50	F05	M6	9	17	49	11,169	GH2GGT8H024A000	GH2GGT8H044A000
GHP G 2 1/2	37 MPa	65	184,5	93,5	211,5	131,5	30,5	223,5	187	600	280	32	G 2 1/2	140	102	F10	M10	20	24	63	36,5	GH2GGT9H02NA000	GH2GGT9H04NA000
GHP G 3	37 MPa	80	200	102	239	162,5	30,5	239	204	600	294	32	G 3	140	102	F10	M10	20	24	74	46,5	GH2GGTAH02NA000	GH2GGTAH04NA000
GHP G 4	37 MPa	100	236	120	295,5	218	31	268,5	240	450	316,5	38	G 4	170	102	F10	M10	20	24	95	77	GH2GGTBH02NA000	GH2GGTBH04NA000



section A-A
scale 1:1

GHP ANSI-ASME B1.20.1 NPT

Standard

TYPE	PN	DN	A	B	C	D	E	F	OG	H	I	L	OM	CH	OT	ISO5211	OS	R	SW	OLW	KG	CARBON STEEL	STAINLESS STEEL
																						ITEM CODE	ITEM CODE
GHP N 1/2	37 MPa	13	53	27,5	119	79	11	66,5	55	110	102,5	17	N 1/2	38	36	F03	M5	9	9	13	1,81	GH2NNT3H024A000	GH2NNT3H044A000
GHP N 3/4	37 MPa	20	70	38,5	149	99	14	88,6	77	180	118	21	N 3/4	55	50	F05	M6	9	14	20	4,378	GH2NNT4H024A000	GH2NNT4H044A000
GHP N 1	37 MPa	25	80,5	45	168	105	14	99	90	180	129	24	N 1	60	50	F05	M6	9	14	25	6,219	GH2NNT5H024A000	GH2NNT5H044A000
GHP N 1 1/4	37 MPa	32	95	48,5	156	106	14	113	97	300	112	25	N 1 1/4	70	50	F05	M6	9	17	32	6,74	GH2NNT6H024A000	GH2NNT6H044A000
GHP N 1 1/2	37 MPa	40	111,5	58	166,5	110,5	14	130	116	300	128	25	N 1 1/2	75	50	F05	M6	9	17	40	10	GH2NNT7H024A000	GH2NNT7H044A000
GHP N 2	37 MPa	50	118,5	61,5	175	115	14	137	123	300	137	27	N 2	85	50	F05	M6	9	17	49	11,169	GH2NNT8H024A000	GH2NNT8H044A000
GHP N 2 1/2	37 MPa	65	184,5	93,5	211,5	131,5	30,5	223,5	187	600	280	32	N 2 1/2	140	102	F10	M10	20	24	63	36,5	GH2NNT9H02NA000	GH2NNT9H04NA000
GHP N 3	37 MPa	80	200	102	239	162,5	30,5	239	204	600	294	32	N 3	140	102	F10	M10	20	24	74	46,5	GH2NNTAH02NA000	GH2NNTAH04NA000
GHP N 4	37 MPa	100	236	120	295,5	218	31	268,5	240	450	316,5	38	N 4	170	102	F10	M10	20	24	95	77	GH2NNTBH02NA000	GH2NNTBH04NA000

— OTHER

QC – GPS – RF – BD – VU

VUBA – SJ – DDF – VBP

GEV



QC

QUICK COUPLINGS

ISO 7241/A
ISO 7241/B
ISO 16028 FLAT FACE
ISO 5675



CARBON STEEL

QC	G ½		1M/F	DN12,5	1	B
TYPE OF COUPLING	BSP	NPT		DN/ISO	BODY MATERIAL	SEAL MATERIAL
ISO 7241/A	G ¼ G ⅜ G ½ G ¾ G 1 G 1 ¼ G 1 ½ G 2	N ¼ N ⅜ N ½ N ¾ N 1 N 1 ¼ N 1 ½ N 2	MALE FEMALE	6,3 10 12,5 20 25 31,5 40 50	1,0737	B NBR E FKM*

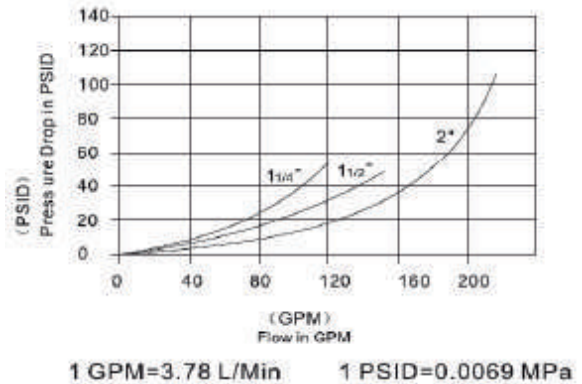
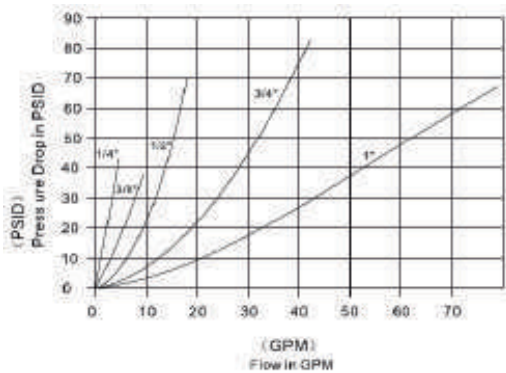
STAINLESS STEEL

QC	G ½		1M/F	DN12,5	1	B
TYPE OF COUPLING	BSP	NPT		DN/ISO	BODY MATERIAL	SEAL MATERIAL
ISO A	G ¼ G ⅜ G ½ G ¾ G 1 G 1 ¼ G 1 ½ G 2	N ¼ N ⅜ N ½ N ¾ N 1 N 1 ¼ N 1 ½ N 2	MALE FEMALE	6,3 10 12,5 20 25 31,5 40 50	1,4404	E FKM

PERFORMANCE

(1/4", 3/8", 1/2", 3/4", 1")
Series (1/4", 3/8", 1/2", 3/4", 1")
200SUS (Test Fluid: Oil-200SUS)

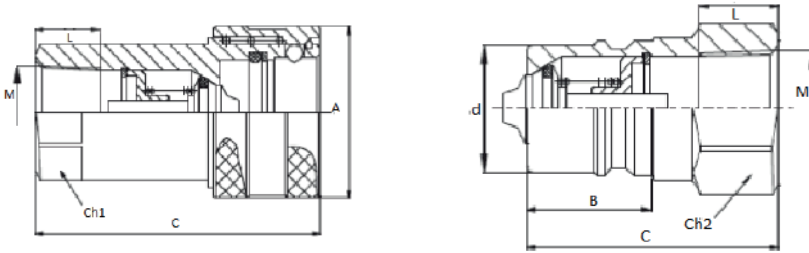
(11/4", 11/2", 2")
(11/4", 11/2", 2")



*On request: • Cups

• Plugs

For further special requests please consult our technical/commercial service



QUICK COUPLINGS ISO 7241/A BSP WITH POPPET (QC MALE / FEMALE)

Standard

CARBON STEEL

TYPE	PN	DN/ISO	A	B	C	d	ch1	ch2	L	M	ITEM CODE
QC ISO A G 1/4 MALE	35 MPa	6,3	-	15	35,5	11,86	-	19	14	G 1/4	NC01G010000
QC ISO A G 3/8 MALE	35 MPa	10	-	19	39	17,3	-	22	14,5	G 3/8	NC01G020000
QC ISO A G 1/2 MALE	35 MPa	12,5	-	27	44	20,5	-	27	16	G 1/2	NC01G030000
QC ISO A G 3/4 MALE	30 MPa	20	-	28,5	55,5	29,1	-	34	19	G 3/4	NC01G040000
QC ISO A G 1 MALE	30 MPa	25	-	35	66	34,34	-	41	21	G 1	NC01G050000
QC ISO A G 1 1/4 MALE	25 MPa	31,5	-	46	75	45	-	50	25	G 1 1/4	NC01G060000
QC ISO A G 1 1/2 MALE	15 MPa	40	-	52	83,5	55	-	60	27	G 1 1/2	NC01G070000
QC ISO A G 2 MALE	15 MPa	50	-	64	105	65	-	75	26	G 2	NC01G080000
QC ISO A G 1/4 FEMALE	35 MPa	6,3	25	-	49,6	-	19	-	14	G 1/4	NC02G010000
QC ISO A G 3/8 FEMALE	35 MPa	10	32	-	57	-	22	-	14,5	G 3/8	NC02G020000
QC ISO A G 1/2 FEMALE	35 MPa	12,5	38,25	-	66	-	27	-	16	G 1/2	NC02G030000
QC ISO A G 3/4 FEMALE	30 MPa	20	48	-	83	-	34	-	19	G 3/4	NC02G040000
QC ISO A G 1 FEMALE	30 MPa	25	56	-	100	-	41	-	21	G 1	NC02G050000
QC ISO A G 1 1/4 FEMALE	25 MPa	31,5	69,5	-	117	-	50	-	25	G 1 1/4	NC02G060000
QC ISO A G 1 1/2 FEMALE	15 MPa	40	84	-	133	-	60	-	27	G 1 1/2	NC02G070000
QC ISO A G 2 FEMALE	15 MPa	50	99	-	165	-	75	-	26	G 2	NC02G080000

QUICK COUPLINGS ISO 7241/A NPT WITH POPPET (QC MALE/FEMALE)

TYPE	PN	DN/ISO	Standard								CARBON STEEL
			A	B	C	d	ch1	ch2	L	M	ITEM CODE
QC ISO A N 1/4 MALE	35 MPa	6,3	-	15	35,5	11,86	-	19	14	NPT 1/4	NC01N010000
QC ISO A N 3/8 MALE	35 MPa	10	-	19	39	17,3	-	22	14,5	NPT 3/8	NC01N020000
QC ISO A N 1/2 MALE	35 MPa	12,5	-	27	44	20,5	-	27	16	NPT 1/2	NC01N030000
QC ISO A N 3/4 MALE	30 MPa	20	-	28,5	55,5	29,1	-	34	19	NPT 3/4	NC01N040000
QC ISO A N 1 MALE	30 MPa	25	-	35	66	34,34	-	41	21	NPT 1	NC01N050000
QC ISO A N 1 1/4 MALE	25 MPa	31,5	-	46	75	45	-	50	25	NPT 1 1/4	NC01N060000
QC ISO A N 1 1/2 MALE	15 MPa	40	-	52	83,5	55	-	60	27	NPT 1 1/2	NC01N070000
QC ISO A N 2 MALE	15 MPa	50	-	64	105	65	-	75	26	NPT 2	NC01N080000
QC ISO A N 1/4 FEMALE	35 MPa	6,3	25	-	49,6	-	19	-	14	NPT 1/4	NC02N010000
QC ISO A N 3/8 FEMALE	35 MPa	10	32	-	57	-	22	-	14,5	NPT 3/8	NC02N020000
QC ISO A N 1/2 FEMALE	35 MPa	12,5	38,25	-	66	-	27	-	16	NPT 1/2	NC02N030000
QC ISO A N 3/4 FEMALE	30 MPa	20	48	-	83	-	34	-	19	NPT 3/4	NC02N040000
QC ISO A N 1 FEMALE	30 MPa	25	56	-	100	-	41	-	21	NPT 1	NC02N050000
QC ISO A N 1 1/4 FEMALE	25 MPa	31,5	69,5	-	117	-	50	-	25	NPT 1 1/4	NC02N060000
QC ISO A N 1 1/2 FEMALE	15 MPa	40	84	-	133	-	60	-	27	NPT 1 1/2	NC02N070000
QC ISO A N 2 FEMALE	15 MPa	50	99	-	165	-	75	-	26	NPT 2	NC02N080000

QUICK COUPLINGS ISO 7241/A BSP WITH POPPET (QC MALE / FEMALE)

Standard												STAINLESS STEEL
TYPE	PN	DN/ISO	A	B	C	d	ch1	ch2	L	M	ITEM CODE	
QC ISO A SG 1/4 MALE	15 MPa	6,3	-	15	35,5	11,86	-	19	14	G 1/4	NC01G010001	
QC ISO A SG 3/8 MALE	15 MPa	10	-	19	39	17,3	-	22	14,5	G 3/8	NC01G020001	
QC ISO A SG 1/2 MALE	10 MPa	12,5	-	27	44	20,5	-	27	16	G 1/2	NC01G030001	
QC ISO A SG 3/4 MALE	10 MPa	20	-	28,5	55,5	29,1	-	34	19	G 3/4	NC01G040001	
QC ISO A SG 1 MALE	7 MPa	25	-	35	66	34,34	-	41	21	G 1	NC01G050001	
QC ISO A SG 1 1/4 MALE	7 MPa	31,5	-	46	75	45	-	50	25	G 1 1/4	NC01G060001	
QC ISO A SG 1 1/2 MALE	7 MPa	40	-	52	83,5	55	-	60	27	G 1 1/2	NC01G070001	
QC ISO A SG 2 MALE	7 MPa	50	-	64	105	65	-	75	26	G 2	NC01G080001	
QC ISO A SG 1/4 FEMALE	15 MPa	6,3	25	-	49,6	-	19	-	14	G 1/4	NC02G010001	
QC ISO A SG 3/8 FEMALE	15 MPa	10	32	-	57	-	22	-	14,5	G 3/8	NC02G020001	
QC ISO A SG 1/2 FEMALE	10 MPa	12,5	38,25	-	66	-	27	-	16	G 1/2	NC02G030001	
QC ISO A SG 3/4 FEMALE	10 MPa	20	48	-	83	-	34	-	19	G 3/4	NC02G040001	
QC ISO A SG 1 FEMALE	7 MPa	25	56	-	100	-	41	-	21	G 1	NC02G050001	
QC ISO A SG 1 1/4 FEMALE	7 MPa	31,5	69,5	-	117	-	50	-	25	G 1 1/4	NC02G060001	
QC ISO A SG 1 1/2 FEMALE	7 MPa	40	84	-	133	-	60	-	27	G 1 1/2	NC02G070001	
QC ISO A SG 2 FEMALE	7 MPa	50	99	-	165	-	75	-	26	G 2	NC02G080001	

QUICK COUPLINGS ISO 7241/A NPT WITH POPPET (QC MALE / FEMALE)

Standard												STAINLESS STEEL
TYPE	PN	DN/ISO	A	B	C	d	ch1	ch2	L	M	ITEM CODE	
QC ISO A N 1/4 MALE	15 MPa	6,3	-	15	35,5	11,86	-	19	14	NPT 1/4	NC01N010001	
QC ISO A N 3/8 MALE	15 MPa	10	-	19	39	17,3	-	22	14,5	NPT 3/8	NC01N020001	
QC ISO A N 1/2 MALE	10 MPa	12,5	-	27	44	20,5	-	27	16	NPT 1/2	NC01N030001	
QC ISO A N 3/4 MALE	10 MPa	20	-	28,5	55,5	29,1	-	34	19	NPT 3/4	NC01N040001	
QC ISO A N 1 MALE	7 MPa	25	-	35	66	34,34	-	41	21	NPT 1	NC01N050001	
QC ISO A N 1 1/4 MALE	7 MPa	31,5	-	46	75	45	-	50	25	NPT 1 1/4	NC01N060001	
QC ISO A N 1 1/2 MALE	7 MPa	40	-	52	83,5	55	-	60	27	NPT 1 1/2	NC01N070001	
QC ISO A N 2 MALE	7 MPa	50	-	64	105	65	-	75	26	NPT 2	NC01N080001	
QC ISO A N 1/4 FEMALE	15 MPa	6,3	25	-	49,6	-	19	-	14	NPT 1/4	NC02N010001	
QC ISO A N 3/8 FEMALE	15 MPa	10	32	-	57	-	22	-	14,5	NPT 3/8	NC02N020001	
QC ISO A N 1/2 FEMALE	10 MPa	12,5	38,25	-	66	-	27	-	16	NPT 1/2	NC02N030001	
QC ISO A N 3/4 FEMALE	10 MPa	20	48	-	83	-	34	-	19	NPT 3/4	NC02N040001	
QC ISO A N 1 FEMALE	7 MPa	25	56	-	100	-	41	-	21	NPT 1	NC02N050001	
QC ISO A N 1 1/4 FEMALE	7 MPa	31,5	69,5	-	117	-	50	-	25	NPT 1 1/4	NC02N060001	
QC ISO A N 1 1/2 FEMALE	7 MPa	40	84	-	133	-	60	-	27	NPT 1 1/2	NC02N070001	
QC ISO A N 2 FEMALE	7 MPa	50	99	-	165	-	75	-	26	NPT 2	NC02N080001	

CARBON STEEL

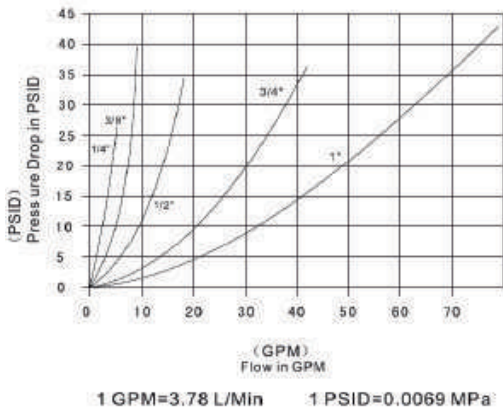
QC	G ½		1M/F	DN12,5	1	B
TYPE OF COUPLING	BSP	NPT		DN/ISO	BODY MATERIAL	SEAL MATERIAL
ISO 7241/B	G ½	N ½	MALE FEMALE	5	1,0737	B NBR E FKM*
	G ¼	N ¼		6,3		
	G ¾	N ¾	10			
	G ½	N ½	12,5			
	G ¾	N ¾	20			
	G 1	N 1	25			
	G 1 ½	N 1 ½	40			
G 2	N 2	50				

STAINLESS STEEL

QC	G ½		1M/F	DN12,5	1	B
TYPE OF COUPLING	BSP	NPT		DN/ISO	BODY MATERIAL	SEAL MATERIAL
ISO 7241/B	G ½	N ½	MALE FEMALE	5	1,4404	E FKM
	G ¼	N ¼		6,3		
	G ¾	N ¾	10			
	G ½	N ½	12,5			
	G ¾	N ¾	20			
	G 1	N 1	25			
	G 1 ½	N 1 ½	40			
G 2	N 2	50				

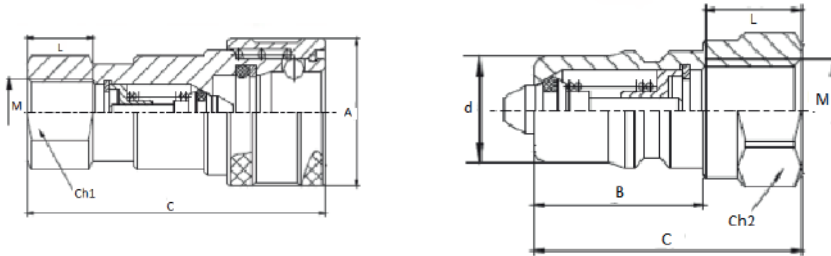
PERFORMANCE

(1/4", 3/8", 1/2", 3/4", 1")
Series (1/4", 3/8", 1/2", 3/4", 1")
200SUS (Test Fluid: Oil-200SUS)



*On request: • Cups • Plugs

For further special requests please consult our technical/commercial service



QUICK COUPLINGS ISO 7241/B BSP WITH POPPET (QC MALE / FEMALE)

Standard

CARBON STEEL

TYPE	PN	DN/ISO	A	B	C	d	ch1	ch2	L	M	ITEM CODE
QC ISO B G 1/8 MALE	35 MPa	5	-	19	29	10,8	-	14	9,5	G 1/8	NC03G000000
QC ISO B G 1/4 MALE	35 MPa	6,3	-	22,8	36	14,2	-	19	13	G 1/4	NC03G010000
QC ISO B G 3/8 MALE	30 MPa	10	-	25	40	19	-	24	13	G 3/8	NC03G020000
QC ISO B G 1/2 MALE	30 MPa	12,5	-	28	46,5	23,5	-	28,5	20,5	G 1/2	NC03G030000
QC ISO B G 3/4 MALE	20 MPa	20	-	36	56	31,5	-	36	22	G 3/4	NC03G040000
QC ISO B G 1 MALE	20 MPa	25	-	45	63	37,8	-	41	23	G 1	NC03G050000
QC ISO B G 1 1/2 MALE	6 MPa	40	-	53,5	122	44,5	-	65	20,5	G 1 1/2	NC03G070000
QC ISO B G 2 MALE	6 MPa	50	-	66	139,2	63,2	-	95	20	G 2	NC03G080000
QC ISO B G 1/8 FEMALE	35 MPa	5	24	-	48	-	17	-	9,5	G 1/8	NC04G000000
QC ISO B G 1/4 FEMALE	35 MPa	6,3	28,5	-	58	-	19	-	13	G 1/4	NC04G010000
QC ISO B G 3/8 FEMALE	30 MPa	10	35	-	65	-	24	-	13	G 3/8	NC04G020000
QC ISO B G 1/2 FEMALE	30 MPa	12,5	44,5	-	74	-	28,5	-	20,5	G 1/2	NC04G030000
QC ISO B G 3/4 FEMALE	20 MPa	20	54	-	92	-	36	-	22	G 3/4	NC04G040000
QC ISO B G 1 FEMALE	20 MPa	25	63,5	-	103	-	41	-	23	G 1	NC04G050000
QC ISO B G 1 1/2 FEMALE	6 MPa	40	73,5	-	124	-	65	-	20,5	G 1 1/2	NC04G070000
QC ISO B G 2 FEMALE	6 MPa	50	101	-	141,5	-	95	-	20	G 2	NC04G080000

QUICK COUPLINGS ISO 7241/B NPT WITH POPPET (QC MALE/FEMALE)

TYPE	PN	DN/ISO	Standard								CARBON STEEL
			A	B	C	d	ch1	ch2	L	M	ITEM CODE
QC ISO B N 1/8 MALE	35 MPa	5	-	19	29	10,8	-	14	9,5	NPT 1/8	NC03N000000
QC ISO B N 1/4 MALE	35 MPa	6,3	-	22,8	36	14,2	-	19	13	NPT 1/4	NC03N010000
QC ISO B N 3/8 MALE	30 MPa	10	-	25	40	19	-	24	13	NPT 3/8	NC03N020000
QC ISO B N 1/2 MALE	30 MPa	12,5	-	28	46,5	23,5	-	28,5	20,5	NPT 1/2	NC03N030000
QC ISO B N 3/4 MALE	20 MPa	20	-	36	56	31,5	-	36	22	NPT 3/4	NC03N040000
QC ISO B N 1 MALE	20 MPa	25	-	45	63	37,8	-	41	23	NPT 1	NC03N050000
QC ISO B N 1 1/2 MALE	6 MPa	40	-	53,5	122	44,5	-	65	20,5	NPT 1 1/2	NC03N070000
QC ISO B N 2 MALE	6 MPa	50	-	66	139,2	63,2	-	95	20	NPT 2	NC03N080000
QC ISO B N 1/8 FEMALE	35 MPa	5	24	-	48	-	17	-	9,5	NPT 1/8	NC04N000000
QC ISO B N 1/4 FEMALE	35 MPa	6,3	28,5	-	58	-	19	-	13	NPT 1/4	NC04N010000
QC ISO B N 3/8 FEMALE	30 MPa	10	35	-	65	-	24	-	13	NPT 3/8	NC04N020000
QC ISO B N 1/2 FEMALE	30 MPa	12,5	44,5	-	74	-	28,5	-	20,5	NPT 1/2	NC04N030000
QC ISO B N 3/4 FEMALE	20 MPa	20	54	-	92	-	36	-	22	NPT 3/4	NC04N040000
QC ISO B N 1 FEMALE	20 MPa	25	63,5	-	103	-	41	-	23	NPT 1	NC04N050000
QC ISO B N 1 1/2 FEMALE	6 MPa	40	73,5	-	124	-	65	-	20,5	G 1 1/2	NC04N070000
QC ISO B N 2 FEMALE	6 MPa	50	101	-	141,5	-	95	-	20	G 2	NC04N080000

QUICK COUPLINGS ISO 7241/B BSP WITH POPPET (QC MALE / FEMALE)

Standard												STAINLESS STEEL
TYPE	PN	DN/ISO	A	B	C	d	ch1	ch2	L	M	ITEM CODE	
QC ISO B SG 1/8 MALE	15 Mpa	5	-	19	31	10,8	-	14	10	G 1/8	NC03G000001	
QC ISO B SG 1/4 MALE	15 MPa	6,3	-	22,8	36	14,2	-	19	13	G 1/4	NC03G010001	
QC ISO B SG 3/8 MALE	15 MPa	10	-	25	40	19	-	24	13	G 3/8	NC03G020001	
QC ISO B SG 1/2 MALE	10MPa	12,5	-	28	45,5	23,5	-	27	17	G 1/2	NC03G030001	
QC ISO B SG 3/4 MALE	10 MPa	20	-	36	56	31,5	-	36	22	G 3/4	NC03G040001	
QC ISO B SG 1 MALE	7 MPa	25	-	35,5	63	37,8	-	45	23	G 1	NC03G050001	
QC ISO B SG 1/8 FEMALE	15 Mpa	5	24	-	50	-	17	-	10	G 1/8	NC04G000001	
QC ISO B SG 1/4 FEMALE	15 MPa	6,3	28,5	-	58	-	19	-	13	G 1/4	NC04G010001	
QC ISO B SG 3/8 FEMALE	15 MPa	10	35	-	65	-	24	-	13	G 3/8	NC04G020001	
QC ISO B SG 1/2 FEMALE	10MPa	12,5	42	-	73,4	-	30	-	17	G 1/2	NC04G030001	
QC ISO B SG 3/4 FEMALE	10 MPa	20	54	-	92	-	36	-	22	G 3/4	NC04G040001	
QC ISO B SG 1 FEMALE	7 MPa	25	65	-	103	-	41	-	23	G 1	NC04G050001	

QUICK COUPLINGS ISO 7241/B NPT WITH POPPET (QC MALE/FEMALE)

Standard												STAINLESS STEEL
TYPE	PN	DN/ISO	A	B	C	d	ch1	ch2	L	M	ITEM CODE	
QC ISO B N 1/8 MALE	15 Mpa	5	-	19	31	10,8	-	14	10	NPT 1/8	NC03N000001	
QC ISO B N 1/4 MALE	15 MPa	6,3	-	22,8	36	14,2	-	19	13	NPT 1/4	NC03N010001	
QC ISO B N 3/8 MALE	15 MPa	10	-	25	40	19	-	24	13	NPT 3/8	NC03N020001	
QC ISO B N 1/2 MALE	10MPa	12,5	-	28	45,5	23,5	-	27	17	NPT 1/2	NC03N030001	
QC ISO B N 3/4 MALE	10 MPa	20	-	36	56	31,5	-	36	22	NPT 3/4	NC03N040001	
QC ISO B N 1 MALE	7 MPa	25	-	35,5	63	37,8	-	45	23	NPT 1	NC03N050001	
QC ISO B N 1/8 FEMALE	15 Mpa	5	24	-	50	-	17	-	10	NPT 1/8	NC04N000001	
QC ISO B N 1/4 FEMALE	15 MPa	6,3	28,5	-	58	-	19	-	13	NPT 1/4	NC04N010001	
QC ISO B N 3/8 FEMALE	15 MPa	10	35	-	65	-	24	-	13	NPT 3/8	NC04N020001	
QC ISO B N 1/2 FEMALE	10MPa	12,5	42	-	73,4	-	30	-	17	NPT 1/2	NC04N030001	
QC ISO B N 3/4 FEMALE	10 MPa	20	54	-	92	-	36	-	22	NPT 3/4	NC04N040001	
QC ISO B N 1 FEMALE	7 MPa	25	65	-	103	-	41	-	23	NPT 1	NC04N050001	

CARBON STEEL

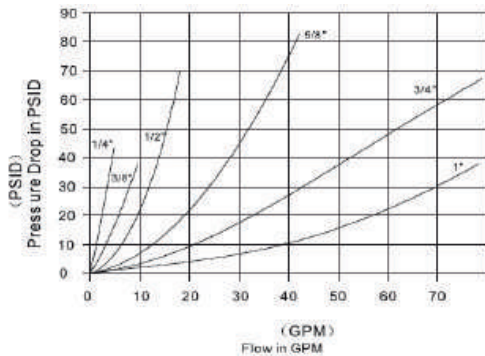
QC	G ½		1M/F	DN12,5	1	B
TYPE OF COUPLING	BSP	NPT		DN/ISO	BODY MATERIAL	SEAL MATERIAL
ISO 16028 FF	G ¼	N ¼	MALE FEMALE	6,3	1,0737	B NBR E FKM*
	G ¾	N ¾		10		
	G ½ ISO10	N ½ ISO10	10			
	G ½ ISO12,5	N ½ ISO12,5	12,5			
	G ¾ ISO 12,5	N ¾ ISO 12,5	12,5			
	G ¾ ISO 16	N ¾ ISO 16	16			
	G ¾ ISO 19	N ¾ ISO 19	19			
	G 1	N 1	19			
	G 1 ¼	N 1 ¼	25			
	G 1 ½	N 1 ½				
	G 2	N 2				

STAINLESS STEEL

QC	G ½		1M/F	DN12,5	1	B
TYPE OF COUPLING	BSP	NPT		DN/ISO	BODY MATERIAL	SEAL MATERIAL
ISO 16028 FF	G ¼	N ¼	MALE FEMALE	6,3	1,4404	E FKM
	G ¾	N ¾		10		
	G ½ ISO10	N ½ ISO10	10			
	G ½ ISO12,5	N ½ ISO12,5	12,5			
	G ¾ ISO 12,5	N ¾ ISO 12,5	12,5			
	G ¾ ISO 16	N ¾ ISO 16	16			
	G ¾ ISO 19	N ¾ ISO 19	19			
	G 1	N 1	19			
	G 1 ¼	N 1 ¼	25			

PERFORMANCE

(1/4", 3/8", 1/2", 5/8", 3/4", 1")
Series (1/4", 3/8", 1/2", 5/8", 3/4", 1")
200SUS (Test Fluid: Oil-200SUS)

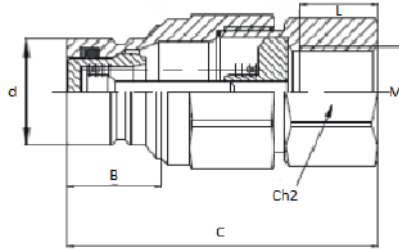
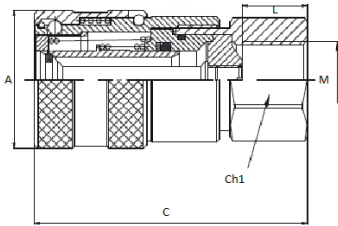


1 GPM=3.78 L/Min

1 PSID=0.0069 MPa

*On request: • Cups • Plugs

For further special requests please consult our technical/commercial service



QUICK COUPLINGS ISO 16028 FLAT FACE BSP (QC MALE / FEMALE)

Standard

CARBON STEEL

TYPE	PN	DN/ISO	A	B	C	d	ch1	ch2	L	M	ITEM CODE
QC FF G 1/4 MALE	35 Mpa	6,3	-	15,2	49,2	16,1	-	20	14	G 1/4	NC05G010000
QC FF G 3/8 MALE	30 Mpa	10	-	19,5	55,8	19,7	-	24	14	G 3/8	NC05G020000
QC FF G 1/2 MALE ISO 10	30 MPa	10	-	19,5	59,8	19,7	-	27	18	G 1/2	NC05G030000
QC FF G 1/2 MALE ISO 12,5	30 MPa	12,5	-	21,6	72	24,5	-	32	18	G 1/2	NC05G030003
QC FF G 3/4 MALE ISO 12,5	25 Mpa	12,5	-	21,6	76	24,5	-	36	22	G 3/4	NC05G040000
QC FF G 3/4 MALE ISO 16	25 MPa	16	-	21,6	75,5	27	-	36	22	G 3/4	NC05G040004
QC FF G 3/4 MALE ISO 19	25 MPa	19	-	29	93,8	30	-	41	22	G 3/4	NC05G040005
QC FF G 1 MALE	20 Mpa	19	-	29	93,8	30	-	41	23,5	G 1	NC05G050000
QC FF G 1 1/4 MALE	20 MPa	25	-	34	90	36	-	55	24	G 1 1/4	NC05G060000
QC FF G 1 1/2 MALE	20 MPa	-	-	38	112	57	-	65	30	G 1 1/2	NC05G070000
QC FF G 2 MALE	20 MPa	-	-	40,5	123,9	73	-	75	31	G 2	NC05G080000
QC FF G 1/4 FEMALE	35 Mpa	6,3	28	-	58,2	-	20	-	14	G 1/4	NC06G010000
QC FF G 3/8 FEMALE	30 Mpa	10	32	-	68,2	-	24	-	14	G 3/8	NC06G020000
QC FF G 1/2 FEMALE ISO 10	30 MPa	10	32	-	72,2	-	27	-	18	G 1/2	NC06G030000
QC FF G 1/2 FEMALE ISO 12,5	30 MPa	12,5	38	-	75	-	32	-	18	G 1/2	NC06G030003
QC FF G 3/4 FEMALE ISO 12,5	25 Mpa	12,5	38	-	79	-	36	-	22	G 3/4	NC06G040000
QC FF G 3/4 FEMALE ISO 16	25 MPa	16	42	-	80	-	36	-	22	G 3/4	NC06G040004
QC FF G 3/4 FEMALE ISO 19	25 MPa	19	48	-	99,8	-	41	-	22	G 3/4	NC06G040005
QC FF G 1 FEMALE	20 Mpa	19	48	-	99,8	-	41	-	23,5	G 1	NC06G050000
QC FF G 1 1/4 FEMALE	20 MPa	25	56	-	111,5	-	55	-	24	G 1 1/4	NC06G060000
QC FF G 1 1/2 FEMALE	20 MPa	-	79,5	-	150	-	65	-	30	G 1 1/2	NC06G070000
QC FF G 2 FEMALE	20 MPa	-	98,5	-	167	-	85	-	31	G 2	NC06G080000

QUICK COUPLINGS ISO 16028 FLAT FACE NPT (QC MALE / FEMALE)

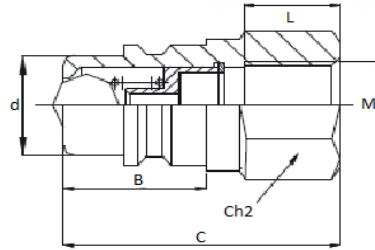
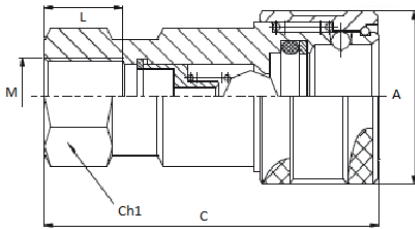
TYPE	PN	DN/ISO	Standard								CARBON STEEL
			A	B	C	d	ch1	ch2	L	M	ITEM CODE
QC FF N 1/4 MALE	35 Mpa	6,3	-	15,2	49,2	16,1	-	20	14	NPT 1/4	NC05N010000
QC FF N 3/8 MALE	30 Mpa	10	-	19,5	55,8	19,7	-	24	14	NPT 3/8	NC05N020000
QC FF N 1/2 MALE ISO 10	30 MPa	10	-	19,5	59,8	19,7	-	27	18	NPT 1/2	NC05N030000
QC FF N 1/2 MALE ISO 12,5	30 MPa	12,5	-	21,6	72	24,5	-	32	18	NPT 1/2	NC05N030003
QC FF N 3/4 MALE ISO 12,5	25 Mpa	12,5	-	21,6	76	24,5	-	36	22	NPT 3/4	NC05N040000
QC FF N 3/4 MALE ISO 16	25 MPa	16	-	21,6	75,5	27	-	36	22	NPT 3/4	NC05N040004
QC FF N 3/4 MALE ISO 19	25 MPa	19	-	29	93,8	30	-	41	22	NPT 3/4	NC05N040005
QC FF N 1 MALE	20 Mpa	19	-	29	93,8	30	-	41	23,5	NPT 1	NC05N050000
QC FF N 1 1/4 MALE	20 MPa	25	-	34	90	36	-	55	24	NPT 1 1/4	NC05N060000
QC FF N 1 1/2 MALE	20 MPa	-	-	38	112	57	-	65	30	NPT 1 1/2	NC05N070000
QC FF N 2 MALE	20 MPa	-	-	40,5	123,9	73	-	75	31	NPT 2	NC05N080000
QC FF N 1/4 FEMALE	35 Mpa	6,3	28	-	58,2	-	20	-	14	NPT 1/4	NC06N010000
QC FF N 3/8 FEMALE	30 Mpa	10	32	-	68,2	-	24	-	14	NPT 3/8	NC06N020000
QC FF N 1/2 FEMALE ISO 10	30 MPa	10	32	-	72,2	-	27	-	18	NPT 1/2	NC06N030000
QC FF N 1/2 FEMALE ISO 12,5	30 MPa	12,5	38	-	75	-	32	-	18	NPT 1/2	NC06N030003
QC FF N 3/4 FEMALE ISO 12,5	25 Mpa	12,5	38	-	79	-	36	-	22	NPT 3/4	NC06N040000
QC FF N 3/4 FEMALE ISO 16	25 MPa	16	42	-	80	-	36	-	22	NPT 3/4	NC06N040004
QC FF N 3/4 FEMALE ISO 19	25 MPa	19	48	-	99,8	-	41	-	22	NPT 3/4	NC06N040005
QC FF N 1 FEMALE	20 Mpa	19	48	-	99,8	-	41	-	23,5	NPT 1	NC06N050000
QC FF N 1 1/4 FEMALE	20 MPa	25	56	-	111,5	-	55	-	24	NPT 1 1/4	NC06N060000
QC FF N 1 1/2 FEMALE	20 MPa	-	79,5	-	150	-	65	-	30	NPT 1 1/2	NC06N070000
QC N 2 FEMALE	20 MPa	-	98,5	-	167	-	85	-	31	NPT 2	NC06N080000

QUICK COUPLINGS ISO 16028 FLAT FACE BSP (QC MALE / FEMALE)

Standard												STAINLESS STEEL
TYPE	PN	DN/ISO	A	B	C	d	ch1	ch2	L	M		ITEM CODE
QC FF SG 1/4 MALE	35 Mpa	6,3	-	15,2	49,2	16,1	-	20	14	G 1/4		NC05G010001
QC FF SG 3/8 MALE	30 Mpa	10	-	19,5	55,8	19,7	-	24	14	G 3/8		NC05G020001
QC FF SG 1/2 MALE ISO 10	30 MPa	10	-	19,5	59,8	19,7	-	27	18	G 1/2		NC05G030001
QC FF SG 1/2 MALE ISO 12,5	30 MPa	12,5	-	21,6	72	24,5	-	32	18	G 1/2		NC05G030002
QC FF SG 3/4 MALE ISO 12,5	25 Mpa	12,5	-	21,6	76	24,5	-	36	22	G 3/4		NC05G040001
QC FF SG 3/4 MALE ISO 16	25 MPa	16	-	21,6	75,5	27	-	36	22	G 3/4		NC05G040002
QC FF SG 3/4 MALE ISO 19	25 MPa	19	-	29	93,8	30	-	41	22	G 3/4		NC05G040003
QC FF SG 1 MALE	20 Mpa	19	-	29	93,8	30	-	41	23,5	G 1		NC05G050001
QC FF SG 1 1/4 MALE	20 Mpa	25	-	34	90	36	-	55	24	G 1 1/4		NC05G060001
QC FF SG 1/4 FEMALE	35 Mpa	6,3	28	-	58,2	-	20	-	14	G 1/4		NC06G010001
QC FF SG 3/8 FEMALE	30 Mpa	10	32	-	68,2	-	24	-	14	G 3/8		NC06G020001
QC FF SG 1/2 FEMALE ISO 10	30 MPa	10	32	-	72,2	-	27	-	18	G 1/2		NC06G030001
QC FF SG 1/2 FEMALE ISO 12,5	30 MPa	12,5	38	-	75	-	32	-	18	G 1/2		NC06G030002
QC FF SG 3/4 FEMALE ISO 12,5	25 Mpa	12,5	38	-	79	-	36	-	22	G 3/4		NC06G040001
QC FF SG 3/4 FEMALE ISO 16	25 MPa	16	42	-	80	-	36	-	22	G 3/4		NC06G040002
QC FF SG 3/4 FEMALE ISO 19	25 MPa	19	48	-	99,8	-	41	-	22	G 3/4		NC06G040003
QC FF SG 1 FEMALE	20 Mpa	19	48	-	99,8	-	41	-	23,5	G 1		NC06G050001
QC FF SG 1 1/4 FEMALE	20 Mpa	25	56	-	111,5	-	55	-	24	G 1 1/4		NC06G060001

QUICK COUPLINGS ISO 16028 FLAT FACE NPT (QC MALE / FEMALE)

Standard												STAINLESS STEEL
TYPE	PN	DN/ISO	A	B	C	d	ch1	ch2	L	M		ITEM CODE
QC FF N 1/4 MALE	35 Mpa	6,3	-	15,2	49,2	16,1	-	20	14	NPT 1/4		NC05N010001
QC FF N 3/8 MALE	30 Mpa	10	-	19,5	55,8	19,7	-	24	14	NPT 3/8		NC05N020001
QC FF N 1/2 MALE ISO 10	30 MPa	10	-	19,5	59,8	19,7	-	27	18	NPT 1/2		NC05N030001
QC FF N 1/2 MALE ISO 12,5	30 MPa	12,5	-	21,6	72	24,5	-	32	18	NPT 1/2		NC05N030002
QC FF N 3/4 MALE ISO 12,5	25 Mpa	12,5	-	21,6	76	24,5	-	36	22	NPT 3/4		NC05N040001
QC FF N 3/4 MALE ISO 16	25 MPa	16	-	21,6	75,5	27	-	36	22	NPT 3/4		NC05N040002
QC FF N 3/4 MALE ISO 19	25 MPa	19	-	29	93,8	30	-	41	22	NPT 3/4		NC05N040003
QC FF N 1 MALE	20 Mpa	19	-	29	93,8	30	-	41	23,5	NPT 1		NC05N050001
QC FF N 1 1/4 MALE	20 MPa	25	-	34	90	36	-	55	24	NPT 1 1/4		NC05N060001
QC FF N 1/4 FEMALE	35 Mpa	6,3	28	-	58,2	-	20	-	14	NPT 1/4		NC06N010001
QC FF N 3/8 FEMALE	30 Mpa	10	32	-	68,2	-	24	-	14	NPT 3/8		NC06N020001
QC FF N 1/2 FEMALE ISO 10	30 MPa	10	32	-	72,2	-	27	-	18	NPT 1/2		NC06N030001
QC FF N 1/2 FEMALE ISO 12,5	30 MPa	12,5	38	-	75	-	32	-	18	NPT 1/2		NC06N030002
QC FF N 3/4 FEMALE ISO 12,5	25 Mpa	12,5	38	-	79	-	36	-	22	NPT 3/4		NC06N040001
QC FF N 3/4 FEMALE ISO 16	25 MPa	16	42	-	80	-	36	-	22	NPT 3/4		NC06N040002
QC FF N 3/4 FEMALE ISO 19	25 MPa	19	48	-	99,8	-	41	-	22	NPT 3/4		NC06N040003
QC FF N 1 FEMALE	20 Mpa	19	48	-	99,8	-	41	-	23,5	NPT 1		NC06N050001
QC FF N 1 1/4 FEMALE	20 MPa	25	56	-	111,5	-	55	-	24	NPT 1 1/4		NC06N060001



QUICK COUPLINGS ISO 5675 BSP WITH BALL VALVE (QC MALE / FEMALE)

TYPE	PN	DN/ISO	Standard								CARBON STEEL	
			A	B	C	d	ch1	ch2	L	M	ITEM CODE	
QC N G 1/4 MALE	35 MPa	6,3	-	18,5	36	14,2	-	19	12,5	G 1/4	NC07G010000	
QC N G 3/8 MALE	28 MPa	10	-	22	40	19	-	24	13	G 3/8	NC07G020000	
QC N G 1/2 MALE	28 MPa	12,5	-	27	43,5	20,5	-	27	16	G 1/2	NC07G030000	
QC N G 3/4 MALE	20 MPa	20	-	32	53,5	28	-	34	19	G 3/4	NC07G040000	
QC N G 1 MALE	20 MPa	25	-	38	63	31,3	-	41	21	G 1	NC07G050000	
QC N G 1/4 FEMALE	35 MPa	6,3	27,6	-	53,5	-	19	-	12,5	G 1/4	NC08G010000	
QC N G 3/8 FEMALE	28 MPa	10	34	-	63	-	24	-	13	G 3/8	NC08G020000	
QC N G 1/2 FEMALE	28 MPa	12,5	38,6	-	66,3	-	27	-	16	G 1/2	NC08G030000	
QC N G 3/4 FEMALE	20 MPa	20	48,2	-	82,5	-	34	-	19	G 3/4	NC08G040000	
QC N G 1 FEMALE	20 MPa	25	56	-	96,5	-	41	-	21	G 1	NC08G050000	

QUICK COUPLINGS ISO 5675 NPT WITH BALL VALVE (QC MALE / FEMALE)

TYPE	PN	DN/ISO	Standard								CARBON STEEL	
			A	B	C	d	ch1	ch2	L	M	ITEM CODE	
QC N N 1/4 MALE	35 MPa	6,3	-	18,5	36	14,2	-	19	12,5	NPT 1/4	NC07N010000	
QC N N 3/8 MALE	28 MPa	10	-	22	40	19	-	24	13	NPT 3/8	NC07N020000	
QC N N 1/2 MALE	28 MPa	12,5	-	27	43,5	20,5	-	27	16	NPT 1/2	NC07N030000	
QC N N 3/4 MALE	20 MPa	20	-	32	53,5	28	-	34	19	NPT 3/4	NC07N040000	
QC N N 1 MALE	20 MPa	25	-	38	63	31,3	-	41	21	NPT 1	NC07N050000	
QC N N 1/4 FEMALE	35 MPa	6,3	27,6	-	53,5	-	19	-	12,5	NPT 1/4	NC08N010000	
QC N N 3/8 FEMALE	28 MPa	10	34	-	63	-	24	-	13	NPT 3/8	NC08N020000	
QC N N 1/2 FEMALE	28 MPa	12,5	38,6	-	66,3	-	27	-	16	NPT 1/2	NC08N030000	
QC N N 3/4 FEMALE	20 MPa	20	48,2	-	82,5	-	34	-	19	NPT 3/4	NC08N040000	
QC N N 1 FEMALE	20 MPa	25	56	-	96,5	-	41	-	21	NPT 1	NC08N050000	

GPS

3 WAYS SINGLE PILOT OPERATED CHECK VALVES

CARBON STEEL

- Type: 3-ways single pilot operated check valves GPS
- Body: zinc-plated steel
- Operating pressure: 350-400 Bar
- Temp range: -20°C to +100°C

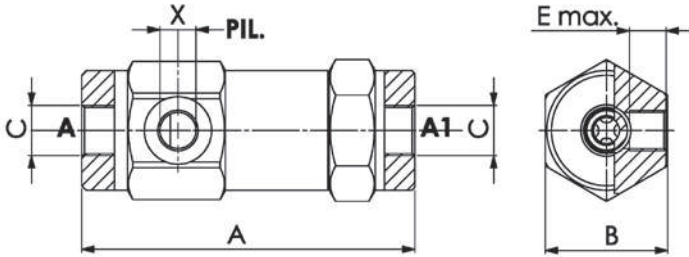


**CARBON STEEL**

POS	DESCRIPTION	MATERIAL	Q.TY
1	Body	1,0737	1
2	Adapter	1,0737	1
3	Ball	1,0737	1
4	Spring	1,0116	1
5	Stem	1,0737	1
6	Ball seat	POM	2
7	Washer	1,0737	1
8	Stem ring	POM	1
9	Spine	1,0737	1
10	Spring ball	1,0116	1
11	Adapter o-ring	FKM	2
12	Adapter o-ring	FKM	2
13	Stem o-ring	FKM	1
14	Screw	DIN 7991 8.8	1
15	Caps	PVC	3

CARBON STEEL

GPS	G ¼	2,5	V
TYPE AND WAY OF VALVE	PORT SIZE	CRACKING PRESSURE	SEALS HOLE
GPS	G ¼	2,5	NBR
	G ¾	5	
	G ½	3	
	G ¾	0,5	
	G 1	1	



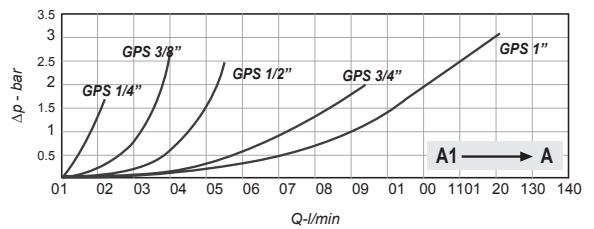
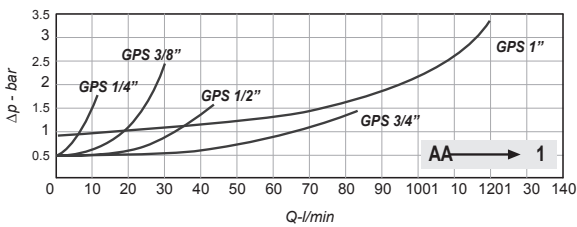
GPS

TYPE	MAXFLOW l/min	MAX PRESSURE BAR	CRACKING PRESSURE	A mm	B mm	C BSPP	X BSPP	E mm	PILOT RATIO	KG	ITEM CODE
GPS G 1/4	12	400	2,5	103	36	1/4	1/4	11	1:9	0,650	G550202A01AARAA
GPS G 3/8	30	400	5	109	40	3/8	1/4	11,5	1:6	0,820	G550203A01AARAA
GPS G 1/2	45	350	3	120	42	1/2	1/4	11	1:4,5	0,960	G550204A01AAPAA
GPS G 3/4	85	350	0,5	131	55	3/4	1/4	14	1:3,7	1,950	G550205A01AAPAA
GPS G 1	120	350	1	165	55	1	1/4	14	1:3,5	2,35	G550206A01AAPAA

*On request: • 8 Bar spring

PRESSURE DROP CURVES

Oil viscosity 24 mm /sec. (3,5°E)
Temperature 50° C



CRACKING
PRESSURE
0,50 bar

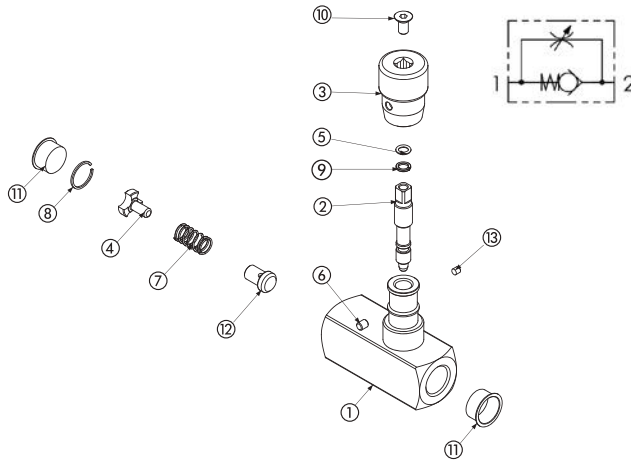
RF

FLOW CONTROL

CARBON STEEL

- Type: check valve RF
- Body: square
- Operating pressure: PN 400
- Temp range: -20°C to +100°C



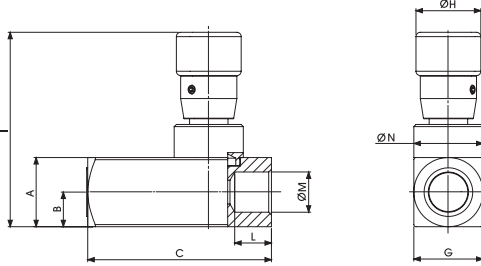


CARBON STEEL			
POS	DESCRIPTION	MATERIAL	Q.TY
1	Body	1,0737	1
2	Stem	1,0503	1
3	Handle	ALLUMINIUM	1
4	Spring ring	X 35 Cr Mo 17	1
5	Stem ring	PTFE	1
6	Spine	1,0737	1
7	Spring	1,0116	1
8	Seeger	X 35 Cr Mo 17	1
9	Stem o-ring	NBR	1
10	Screw	DIN 7991 8.8	1
11	Caps	PVC	2
12	Poppet	1,0737	1
13	Screw	DIN 7991 8.8	1

CARBON STEEL			
RF	G ½		CS
TYPE AND WAY OF VALVE	GAS DIN/ ISO 228 BSP	NPT ANSI/ ASME B1.20.1	MATERIAL
RF flow control	G ¼ G ¾ G ½ G ¾ G 1	N ¼ N ¾ N ½ N ¾ N 1	CS carbon steel

- *On request:
- Special threads
 - Pressure class PN 350
 - Spring closed: 1BAR - 3BAR - 5BAR - 8BAR

For further special requests please consult our technical/commercial service



RF DIN/ISO 228 BSP

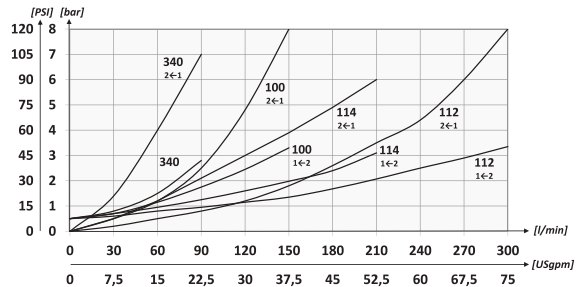
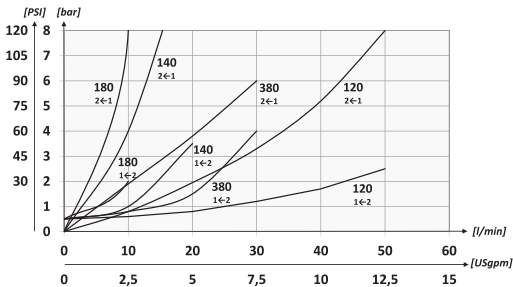
Standard

TYPE	PN	DN	MAX FLOW L/m	A	B	C	G	ØH	I	L	ØM	ØN	KG	CARBON STEEL
														ITEM CODE
RF G 1/4	40 Mpa	6	15	25	12,5	66	25	33	75	15,5	G 1/4	M 20x1	0,41	GF2GGT130110000
RF G 3/8	40 Mpa	10	30	25	12,5	77	25	33	75	15,5	G 3/8	M 20x1	0,42	GF2GGT230110000
RF G 1/2	40 Mpa	13	50	30	15	91	30	33	81	17	G 1/2	M 25x1,5	0,63	GF2GGT330110000
RF G 3/4	40 Mpa	20	80	40	20	112,5	40	42	110	21	G 3/4	M 25x1,5	1,52	GF2GGT430110000
RF G 1	40 Mpa	25	150	45	22,5	141	45	42	115	24	G 1	M 35x1,5	2,1	GF2GGT530110000

RF ANSI/ASME B1.20.1 NPT

Standard

TYPE	PN	DN	MAX FLOW L/m	A	B	C	G	ØH	I	L	ØM	ØN	KG	CARBON STEEL
														ITEM CODE
RF N 1/4	40 Mpa	6	15	25	12,5	66	25	33	75	15,5	N 1/4	M 20x1	0,41	GF2NNT130110000
RF N 3/8	40 Mpa	10	30	25	12,5	77	25	33	75	15,5	N 3/8	M 20x1	0,42	GF2NNT230110000
RF N 1/2	40 Mpa	13	50	30	15	91	30	33	81	17	N 1/2	M 25x1,5	0,63	GF2NNT330110000
RF N 3/4	40 Mpa	20	80	40	20	112,5	40	42	110	21	N 3/4	M 25x1,5	1,52	GF2NNT430110000
RF N 1	40 Mpa	25	150	45	22,5	141	45	42	115	24	N 1	M 35x1,5	2,1	GF2NNT530110000



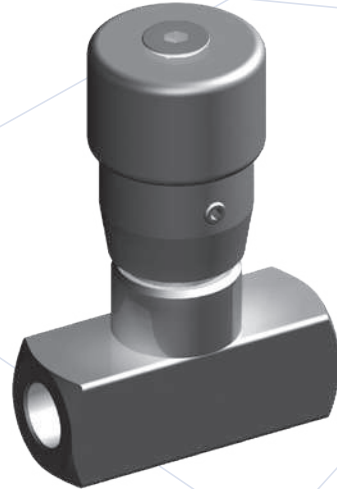
**CRACKING
PRESSURE
0,50 bar**

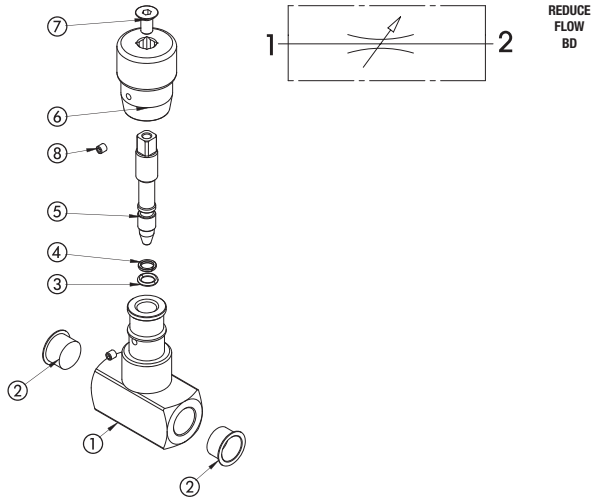
BD

FLOW CONTROL B-DIRECTIONAL

CARBON STEEL

- Type: reduce flow B-directional
- Body: square
- Operating pressure: PN 400
- Temp range: -20°C to +100°C



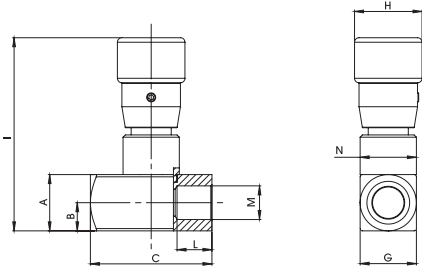


CARBON STEEL			
POS	DESCRIPTION	MATERIAL	Q.TY
1	Body	1,0737	1
2	Caps	PVC	2
3	Stem	1,05	1
4	Stem o-ring	NBR	1
5	Stem ring	PTFE	1
6	Handle	ALLUMINIUM	1
7	Screw	DIN 7991 8.8	1
8	Screw	DIN 7991 8.8	1

CARBON STEEL			
BD	G ½		CS
TYPE AND WAY OF VALVE	GAS DIN/ ISO 228 BSP	NPT ANSI/ ASME B1.20.1	MATERIAL
BD flow control	G ¼	N ¼	CS carbon steel
	G ¾	N ¾	
	G ½	N ½	
	G ¾	N ¾	
	G 1	N 1	

- *On request:
- Special Threads
 - Pressure Class PN 350

For further special requests please consult our technical/commercial service



BD DIN/ISO 228 BSP

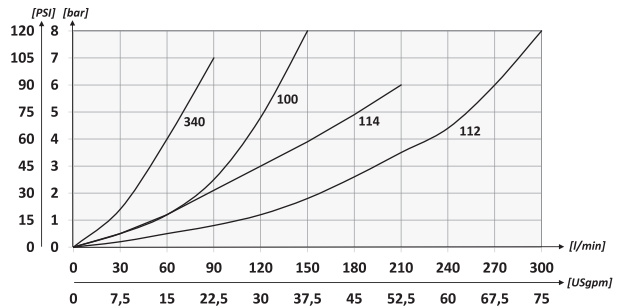
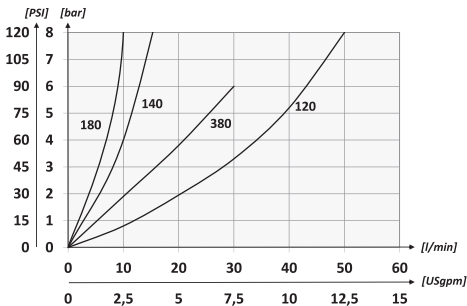
Standard

TYPE	PN	DN	MAX FLOW L/m	A	B	C	G	ØH	I	L	ØM	ØN	KG	CARBON STEEL
														ITEM CODE
BD G 1/4	40 Mpa	6	15	25	12,5	54	25	30	75	15,5	G 1/4	M20X1	0,33	GG2GGT130110000
BD G 3/8	40 Mpa	10	30	25	12,5	54	25	30	75	15,5	G 3/8	M20X1	0,31	GG2GGT230110000
BD G 1/2	40 Mpa	13	50	30	15	64	30	33	81	17	G 1/2	M25X1,5	0,48	GG2GGT330110000
BD G 3/4	40 Mpa	20	80	40	20	81	40	42	110	21	G 3/4	M35X1,5	1,13	GG2GGT430110000
BD G 1	40 Mpa	25	150	45	22,5	102	45	42	115	24	G 1	M35X1,5	1,5	GG2GGT530110000

BD ANSI/ASME B1.20.1 NPT

Standard

TYPE	PN	DN	MAX FLOW L/m	A	B	C	G	ØH	I	L	ØM	ØN	KG	CARBON STEEL
														ITEM CODE
BD N 1/4	40 Mpa	6	15	25	12,5	54	25	30	75	15,5	N 1/4	M20X1	0,33	GG2NNT130110000
BD N 3/8	40 Mpa	10	30	25	12,5	54	25	30	75	15,5	N 3/8	M20X1	0,31	GG2NNT230110000
BD N 1/2	40 Mpa	13	50	30	15	64	30	33	81	17	N 1/2	M25X1,5	0,48	GG2NNT330110000
BD N 3/4	40 Mpa	20	80	40	20	81	40	42	110	21	N 3/4	M35X1,5	1,13	GG2NNT430110000
BD N 1	40 Mpa	25	150	45	22,5	102	45	42	115	24	N 1	M35X1,5	1,5	GG2NNT530110000



VU

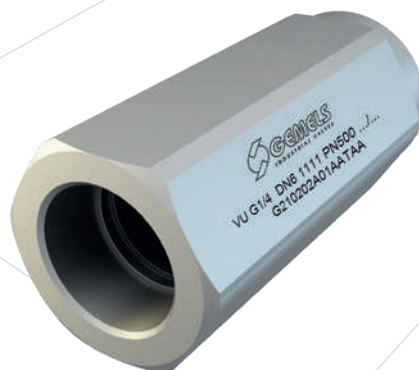
CHECK VALVES

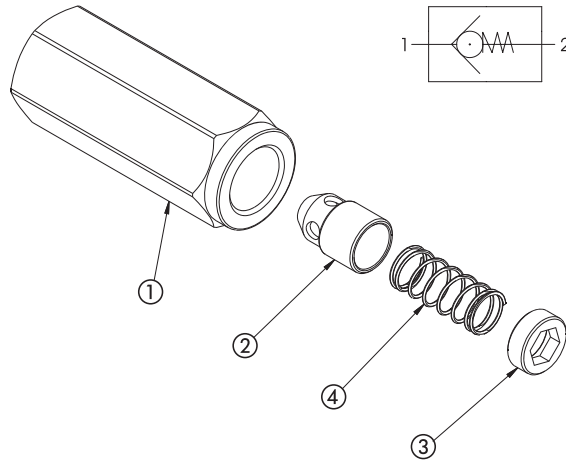
CARBON STEEL

- Type: check valve VU
- Body: exagone
- Operating pressure: up to PN500
- Temp range: -20°C to +100°C

STAINLESS STEEL

- Type: check valve VU
- Body: exagone
- Operating pressure: up to PN500
- Temp range: -30°C to +100°C





CARBON STEEL

POS	DESCRIPTION	MATERIAL	Q.TY
1	Body	1,0737	1
2	Poppet	1,4749	1
3	Ring	1,0737	1
4	Spring	1,0116	1

CARBON STEEL

VU	G ½	CS		
TYPE AND WAY OF VALVE	GAS DIN/ ISO 228 BSP	NPT ANSI/ ASME B1.20.1	SAE J1926-1	MATERIAL
VU check valves	G ¼	N ¼	SAE4	CS carbon steel
	G ¾	N ¾	SAE6	
	G ½	N ½	SAE8	
	G ¾	N ¾	SAE12	
	G 1	N 1	SAE16	
	G 1 ¼	N 1 ¼		
	G 1 ½	N 1 ½		
	G 2	N 2		

STAINLESS STEEL

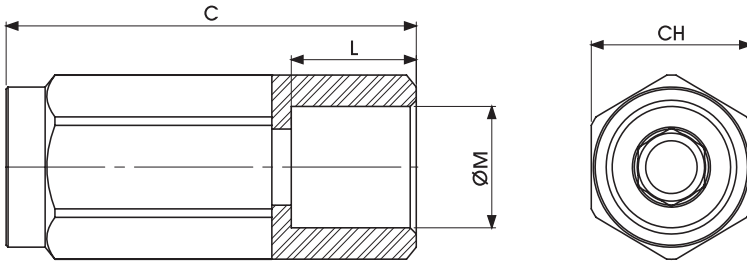
POS	DESCRIPTION	MATERIAL	Q.TY
1	Body	1,4404	1
2	Poppet	1,4305	1
3	Ring	1,4305	1
4	Spring	1,4310	1

STAINLES STEEL

VU	G ½	SS		
TYPE AND WAY OF VALVE	GAS DIN/ ISO 228 BSP	NPT ANSI/ ASME B1.20.1	SAE J1926-1	MATERIAL
VU check valves	G ¼	N ¼	SAE4	SS stainless steel
	G ¾	N ¾	SAE6	
	G ½	N ½	SAE8	
	G ¾	N ¾	SAE12	
	G 1	N 1	SAE16	
	G 1 ¼	N 1 ¼		
	G 1 ½	N 1 ½		
	G 2	N 2		

- *On request:
- Special threads
 - Pressure class up to PN500
 - Spring closed: 1BAR - 3BAR - 5BAR - 8BAR

For further special requests please consult our technical/commercial service



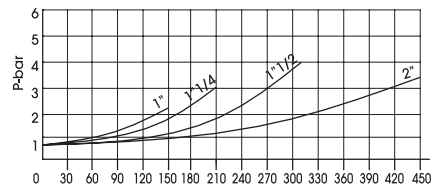
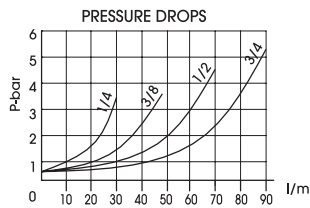
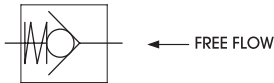
VU DIN ISO 228 BSP GAS

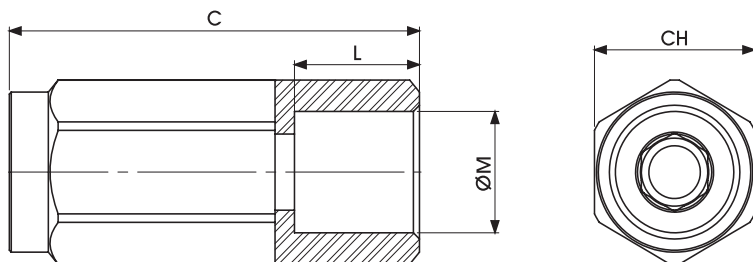
Standard

TYPE	PN	DN	MAX FLOW L/m	CRACKING PRESSURE	C	L	ØM	CH	KG	CARBON STEEL	STAINLESS STEEL
										ITEM CODE	ITEM CODE
VU G 1/4	50 MPa	6	15	0.4/0.7 BAR	62	15.5	G 1/4	19	0,11	GC2GGT150110000	GC2GGT150440000
VU G 3/8	50 MPa	10	30	0.4/0.7 BAR	68	15.5	G 3/8	24	0,2	GC2GGT250110000	GC2GGT250440000
VU G 1/2	50 MPa	13	50	0.4/0.7 BAR	77	17	G 1/2	30	0,35	GC2GGT350110000	GC2GGT350440000
VU G 3/4	40 MPa	20	90	0.4/0.7 BAR	88	21	G 3/4	36	0,53	GC2GGT440110000	GC2GGT440440000
VU G 1	35 MPa	25	150	0.4/0.7 BAR	105	24	G 1	41	0,75	GC2GGT530110000	GC2GGT530440000
VU G 1 1/4	35 MPa	32	200	0.4/0.7 BAR	135	24	G 1 1/4	55	1,81	GC2GGT630110000	GC2GGT630440000
VU G 1 1/2	35 MPa	40	300	0.4/0.7 BAR	145	24	G 1 1/2	60	2,2	GC2GGT730110000	GC2GGT730440000
VU G 2	35 MPa	50	430	0.4/0.7 BAR	175	27	G 2	75	4,17	GC2GGT830110000	GC2GGT830440000

On request trim in stainless steel

HYDRAULIC DIAGRAM





VU ANSI/ASME B1.20.1 NPT

Standard

TYPE	PN	DN	MAX FLOW L/m	CRACKING PRESSURE	C	L	ØM	CH	KG	CARBON STEEL	STAINLESS STEEL
										ITEM CODE	ITEM CODE
VU N 1/4	50 MPa	6	15	0.4/0.7 BAR	62	15.5	N 1/4	19	0,11	GC2NNT150110000	GC2NNT150440000
VU N 3/8	50 MPa	10	30	0.4/0.7 BAR	68	15.5	N 3/8	24	0,2	GC2NNT250110000	GC2NNT250440000
VU N 1/2	50 MPa	13	50	0.4/0.7 BAR	77	17	N 1/2	30	0,35	GC2NNT350110000	GC2NNT350440000
VU N 3/4	40 MPa	20	90	0.4/0.7 BAR	88	21	N 3/4	36	0,53	GC2NNT440110000	GC2NNT440440000
VU N 1	35 MPa	25	150	0.4/0.7 BAR	105	24	N 1	41	0,75	GC2NNT530110000	GC2NNT530440000
VU N 1 1/4	35 MPa	32	200	0.4/0.7 BAR	135	24	N 1 1/4	55	1,81	GC2NNT630110000	GC2NNT630440000
VU N 1 1/2	35 MPa	40	300	0.4/0.7 BAR	145	24	N 1 1/2	60	2,2	GC2NNT730110000	GC2NNT730440000
VU N 2	35 MPa	50	430	0.4/0.7 BAR	175	27	N 2	75	4,17	GC2NNT830110000	GC2NNT830440000

On request trim in stainless steel

VU SAE J1926-1

Standard

TYPE	PN	DN	MAX FLOW L/m	CRACKING PRESSURE	C	L	ØM	CH	KG	CARBON STEEL	STAINLESS STEEL
										ITEM CODE	ITEM CODE
VU SAE4	50 MPa	6	15	0.4/0.7 BAR	62	15.5	N 1/4	19	0,11	GC2EEE050110000	GC2EEE050440000
VU SAE6	50 MPa	10	30	0.4/0.7 BAR	68	15.5	N 3/8	24	0,2	GC2EEE150110000	GC2EEE150440000
VU SAE8	50 MPa	13	50	0.4/0.7 BAR	77	17	N 1/2	30	0,35	GC2EEE250110000	GC2EEE250440000
VU SAE12	40 MPa	20	90	0.4/0.7 BAR	88	21	N 3/4	36	0,53	GC2EEE340110000	GC2EEE340440000
VU SAE16	35 MPa	25	150	0.4/0.7 BAR	105	24	N 1	41	0,75	GC2EEE430110000	GC2EEE430440000

On request trim in stainless steel

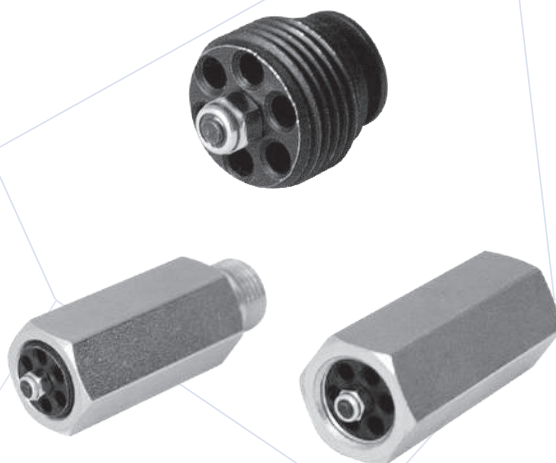
VB VUBA

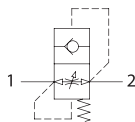
HOSE BREAK VALVE

CARBON STEEL

- Type: hose break valve VB
- Body: exagone
- Operating pressure: 300-350 Bar
- Temp range: -20°C to +100°C

VBF Female insert
VBM Male insert

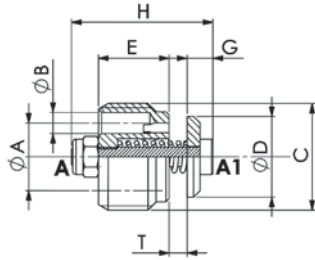




CARBON STEEL

VB	G 3/8	T0,5	F0,5	
TYPE AND WAY OF VALVE	GAS DIN/ISO 228 BSP	SETTING	F (THROTTLING HOLE*)	
			ø min (mm)	ø max (mm)
VB	G 1/4 G 3/8 G 1/2 G 3/4 G 1	0,25 > 4,25	VB G 1/4 0,50 VB G 3/8 0,50 VB G 1/2 0,50 VB G 3/4 0,50 VB G 1 0,50	1,00 1,25 1,50 2,50 3,00

* omit if not requested



Components

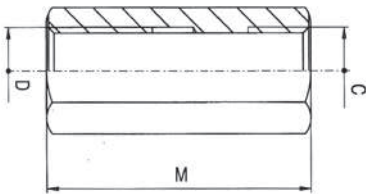
VB VALVE

Standard

TYPE	FLOW min-max l/min	A	B	C	D	E	G	H	KG	ITEM CODE
VB G 1/4	8-25	8,5	2,4	1/4	9,5	8	5,0	23	0,0065	G540102A01AAPAA
VB G 3/8	16-50	11	3,5	3/8	12,5	11	5,0	23	0,0125	G540103A01AAPAA
VB G 1/2	25-80	13	4,5	1/2	15,0	13	6,0	29	0,0235	G540104A01AAPAA
VB G 3/4	50-150	16	6,0	3/4	18,5	18	6,0	34	0,0460	G540105A01AAPAA
VB G 1	70-200	20	7,0	1	23,0	21	7,5	40	0,0945	G540106A01AAPAA

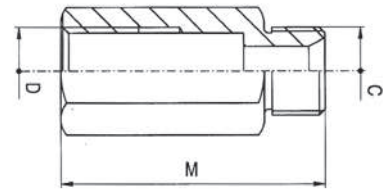
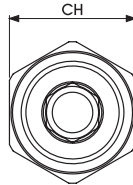
VBF

Female housing



VBM

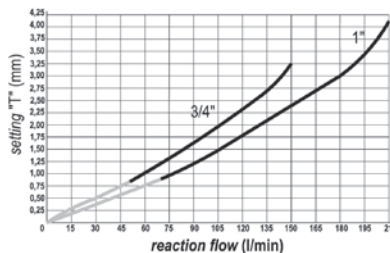
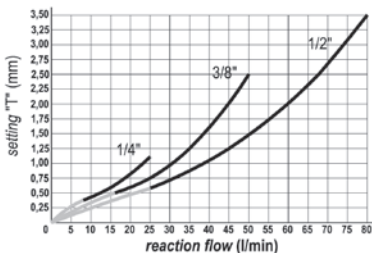
Male housing



TYPE	CS	C-D	M	CH	KG	Q (L/1')	ITEM CODE
VBF G 1/4	1/4	G 1/4	48	19	0,01	28	C01AA03583A010Z
VBF G 3/8	3/8	G 3/8	52	22	0,01	50	C01AA03584A010Z
VBF G 1/2	1/2	G 1/2	60	27	0,02	85	C01AA03585A010Z
VBF G 3/4	3/4	G 3/4	72	36	0,05	150	C01AA03586A010Z
VBF G 1	1	G 1	85	46	0,09	180	C01AA03587A010Z

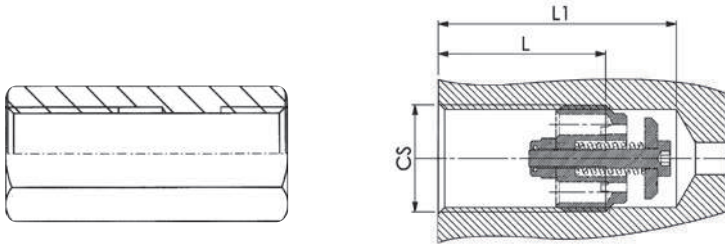
TYPE	CS	C-D	M	CH	KG	Q (L/1')	ITEM CODE
VBM G 1/4	1/4	G 1/4	48	19	0,01	28	C01AA03578A010Z
VBM G 3/8	3/8	G 3/8	58	22	0,01	50	C01AA03579A010Z
VBM G 1/2	1/2	G 1/2	65	27	0,02	85	C01AA03580A010Z
VBM G 3/4	3/4	G 3/4	78	36	0,05	150	C01AA03581A010Z
VBM G 1	1	G 1	85	46	0,09	180	C01AA03582A010Z

For actuator moved by directional control valve, the reaction flow has to be calculated multiply the nominal flow by 1.5 and by 2 for actuator moved by solenoid operated directional control valve. It is normal to set the reaction flow 1,5 times the rate flow of the system. If not required, the setting of "T" will be supplied at the maximum value.



Warning:

the setting values indicated in this diagram are indicative, for any setting value of "T", the reaction flow can change by $\pm 10\%$ and beyond based on the features of the equipment in which they are installed.



Applications:

Screw in the valve connecting 1 to the pressure flow and 2 to the actuator. The use together with flow control valve is recommended.

VB + VBF Assembled (Female-Female)

Standard

TYPE	FLOW min-max l/min	MAX PRESSURE BAR	T	CAVITY			ITEM CODE
				CS	L	L1	
VB G 1/4	8-25	350	<i>see diagram</i>	1/4	24,2	35,2	G480202A0100PAA
VB G 3/8	16-50			3/8	26,2	37,1	G480203A0100PAA
VB G 1/2	25-80			1/2	30,3	45,2	G480204A0100PAA
VB G 3/4	50-150			3/4	38,1	54,2	G480205A0100PAA
VB G 1	70-200			1	46,2	66,1	G480206A0100PAA

VB + VBM Assembled (Male-Female)

Standard

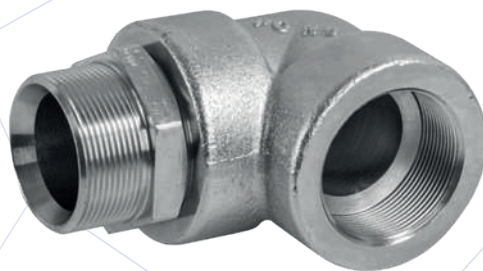
TYPE	FLOW min-max l/min	MAX PRESSURE BAR	T	CAVITY			ITEM CODE
				CS	L	L1	
VB G 1/4	8-25	350	<i>see diagram</i>	1/4	24,2	35,2	G580302A0100PAA
VB G 3/8	16-50			3/8	26,2	37,1	G580303A0100PAA
VB G 1/2	25-80			1/2	30,3	45,2	G580304A0100PAA
VB G 3/4	50-150			3/4	38,1	54,2	G580305A0100PAA
VB G 1	70-200			1	46,2	66,1	G580306A0100PAA

SJ

SWIVEL JOINTS

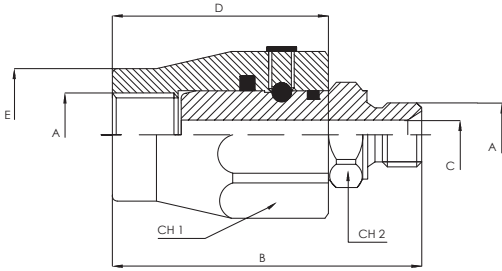
CARBON STEEL

- Type: swivel joint
- Operating pressure: 250-400 Bar
- Temp range: -20°C to +80°C



CARBON STEEL

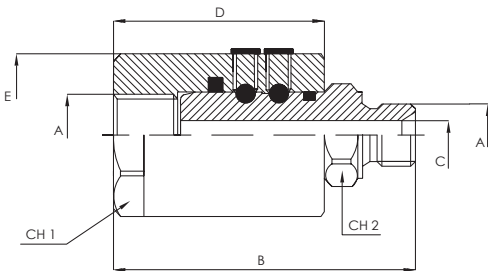
SJ	10	G ½	CS
TYPE AND WAY OF VALVE		GAS DIN/ISO 228 BSP	MATERIAL
SJ swivel joint	10 line 90 90°	G ¼ G ⅜ G ½ G ¾ G 1 G 1 ¼ G 1 ½ G 2	CS carbon steel



SJ - IN LINE FROM 1/4" TO 1/2"

Standard

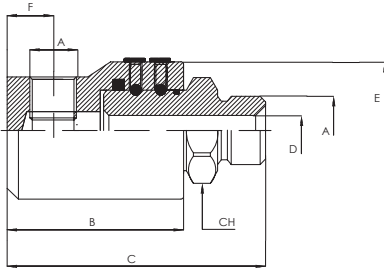
TYPE	A	B	C	D	E	CH1	CH2	MAX ROTATING PRESSURE	MAX STATIC PRESSURE	CARBON STEEL
										ITEM CODE
SJ10 IN LINE 1/4 BSP	G 1/4	61	6	42	24	30	19	200	400	NSJ2G010000
SJ10 IN LINE 3/8 BSP	G 3/8	66	8,5	44	25	34	24	200	400	NSJ2G020000
SJ10 IN LINE 1/2 BSP	G 1/2	71	11,5	47	32	36	27	150	300	NSJ2G030000



SJ - IN LINE FROM 3/4" TO 2"

Standard

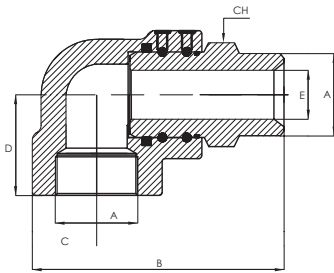
TYPE	A	B	C	D	ØE	CH1	CH2	MAX ROTATING PRESSURE	MAX STATIC PRESSURE	CARBON STEEL
										ITEM CODE
SJ10 IN LINE 3/4 BSP	G 3/4	87,5	15	56,5	49,5	45	34	150	300	NSJ2G040000
SJ10 IN LINE 1" BSP	G 1	93,7	20	61,5	54,5	50	41	100	250	NSJ2G050000
SJ10 IN LINE 1"1/4 BSP	G 1 1/4	101	28	63	60	55	50	100	300	NSJ2G060000
SJ10 IN LINE 1"1/2 BSP	G 1 1/2	110	35	70	69,5	65	55	80	300	NSJ2G070000
SJ10 IN LINE 2" BSP	G 2	119	44	75	84,5	75	65	50	300	NSJ2G080000



SJ - AT 90° FROM 1/4" TO 1"

Standard

TYPE	A	B mm	C mm	D mm	ØE mm	F mm	CH mm	MAX ROTATING PRESSURE	MAX STATIC PRESSURE	CARBON STEEL
								bar	bar	ITEM CODE
SJ90 AT 90 1/4 BSP	G 1/4	50	70	6	33,5	11	19	200	400	NSJ1G010000
SJ90 AT 90 3/8 BSP	G 3/8	54	77	8,5	37,5	13	24	200	400	NSJ1G020000
SJ90 AT 90 1/2 BSP	G 1/2	63	87	11,5	39,5	14	27	150	300	NSJ1G030000
SJ90 AT 90 3/4 BSP	G 3/4	74	104	15	54,5	19,5	34	150	300	NSJ1G040000
SJ90 AT 90 1" BSP	G 1	87	119	21	55/60	24	41	100	300	NSJ1G050000



SJ - AT 90° FROM 1 1/4" TO 2"

Standard

TYPE	A	B mm	C mm	D mm	E mm	CH mm	MAX ROTATING PRESSURE	MAX STATIC PRESSURE	CARBON STEEL
							bar	bar	ITEM CODE
SJ90 AT 90 1"1/4 BSP	G1 1/4	119,5	32	52	28	50	100	300	NSJ1G060000
SJ90 AT 90 1"1/2 BSP	G1 1/2	140	37	62	35	55	80	300	NSJ1G070000
SJ90 AT 90 2" BSP	G2	151	42	64	44	65	50	250	NSJ1G080000