

DN 15 - 50			
PN 40			
	C.S.	S.S.	Low temp.
Tmin.	-10°C	-200°C	-50°C
Tmax.	+400°C	+400°C	+300°C

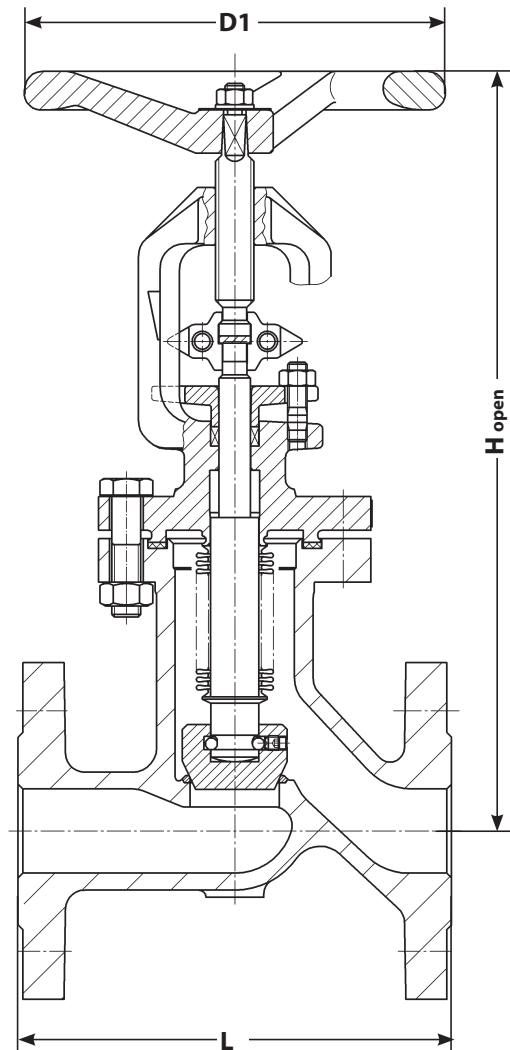
Permissible working pressure acc. EN 1092 - Part 1
Max. differential pressure acc. EN 13709
Terms of delivery DIN 3230/EN 12266-1
Face to face dimension acc. EN 558-1

Available on request :

- Special corrosion resistant materials for:
- Complete valve - Bellows - Trim
- Soft sealing and regulating disc
- Welded bonnet
- Heating jacket

Detailed information and more alternatives are given in the appendix.

Component	Material		
	C.S.	S.S.	Low temp.
	11.3-G-FL	11.3-G-FL-A4	11.3-G-FL-TT
Body	1.0619	1.4408	1.1138
Body seat	1.4370	Stellite 21	1.4370
Bonnet	1.0619	1.4408	1.1138
Disc	1.4021	1.4571	1.4571
Disc surface	1.4021	Stellite 6	Stellite 6
Bellows	1.4571	1.4571	1.4571
Bonnet gasket		1.4571/graphite	
Bolts	A2/70	A2/70	A2/70
Nuts	A2/70	A2/70	A2/70
Gland packing		Pure graphite	
Gland	1.0420	1.4408	1.4408
Stem-upper part	1.4122	1.4122	1.4122
Stem-lower part	1.4301	1.4571	1.4301
Handwheel	0.6020	0.6020	0.6020



DN	L [mm]	H _{open} [mm]	D1 [mm]	G [kg]
15	130	290	150	8
20	150	290	150	8
25	160	300	150	9
32	180	335	175	12
40	200	340	175	13
50	230	360	200	18

Bellows sealed globe valve, straight type, with flanges acc. EN 1092-1; with roll-formed stem screw thread and burnished shaft, coupled stem. Multiplewall liquid contacted bellows made of stainless steel, with anti torque device, tested for 10.000 cycles, metal back seat, safety stuffing box packing made of pure graphite, grooved bonnet gasket made of stainless steel 1.4571 with a coating of pure graphite on both sides, housed in a tongue and grooved flange.

Carbon steel: Body made of cast material 1.0619, seat hardfaced with stainless steel 1.4370, disc with conical plug made of chrome steel 1.4021, vacuum hardened.

Stainless steel: Body made of cast material 1.4408, seat hardfaced with stellite 21, disc with conical plug made of s.s. 1.4571, sealing surface hardfaced with stellite 6.

Low temperature steel: Body made of cast material 1.1138, seat hardfaced with stainless steel 1.4370, disc with conical plug made of s.s. 1.4571, sealing surface hardfaced with stellite 6.

BELLOWS SEALED GLOBE VALVE, FLANGED ENDS

11.3-G-FL

DN 65 - 400			
PN 40			
	C.S.	S.S.	Low temp.
Tmin.	-10°C	-200°C	-50°C
Tmax.	+400°C	+400°C	+300°C

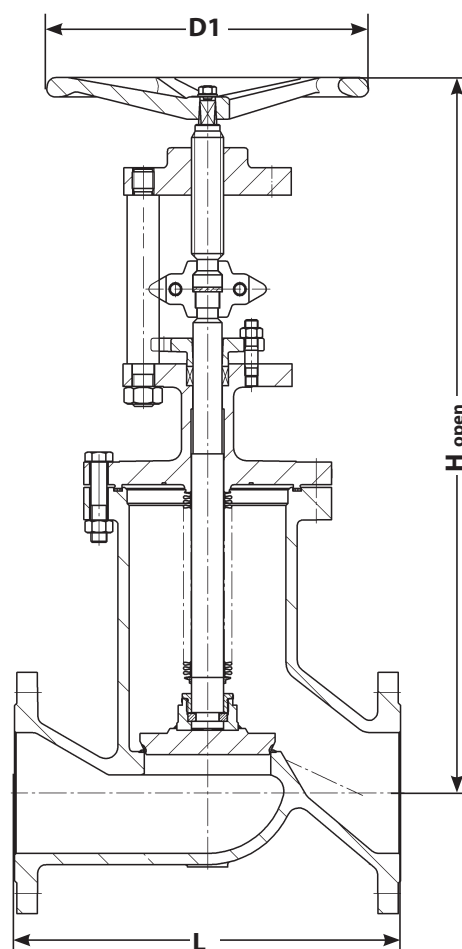
Permissible working pressure acc. EN 1092 - Part 1
Max. differential pressure acc. EN 13709
Terms of delivery DIN 3230/EN 12266-1
Face to face dimension acc. EN 558-1

Available on request :

Special corrosion resistant materials for:
 Complete valve - Bellows - Trim
 Soft sealing and regulating disc
 Welded bonnet
 Heating jacket

Detailed information and more alternatives are given in the appendix.

Component	Material		
	C.S.	S.S.	Low temp.
	11.3-G-FL	11.3-G-FL-A4	11.3-G-FL-TT
Body	1.0619	1.4408	1.1138
Body seat	1.4370	Stellite 21	1.4370
Bonnet	1.0619	1.4408	1.1138
Disc	1.4021/1.0460	1.4571	1.4571/1.0566
Disc surface	1.4021/1.4009	Stellite 6	Stellite 6
Bellows	1.4571	1.4571	1.4571
Bonnet gasket		1.4571/graphite	
Bolts	A2/70	A2/70	A2/70
Nuts	A2/70	A2/70	A2/70
Gland packing		Pure graphite	
Gland	1.0420	1.4408	1.4408
Stem-upper part	1.4122	1.4122	1.4122
Stem-lower part	1.4301	1.4571	1.4301
Handwheel	0.6020	0.6020	0.6020



DN	L [mm]	H open [mm]	D1 [mm]	G [kg]
65	290	460	200	26
80	310	610	250	40
100	350	610	300	56
125	400	615	300	86
150	480	945	400	155
200	600	910	400	255
250	730	1280	600	393
300	850	1285	600	492
350	980	1675	600	800
400	1100	1685	600	1020

Bellows sealed globe valve, straight type, with flanges acc. EN 1092-1; with roll-formed stem screw thread and burnished shaft, coupled stem. Multiplewall liquid contacted bellows made of stainless steel, with anti torque device, tested for 10.000 cycles, metal back seat, safety stuffing box packing made of pure graphite, grooved bonnet gasket made of stainless steel 1.4571 with a coating of pure graphite on both sides, housed in a tongue and grooved flange. Bonnet design DN 65 - 125 with yoke; from DN 150 and above with column and screwed flange. Stem from DN 250 and above provided with an additional guide sleeve.

Carbon steel: Body made of cast material 1.0619, seat hardfaced with stainless steel 1.4370, disc with conical plug made of chrome steel 1.4021, vacuum hardened up to DN 100; above made of 1.0460, hardfaced with 1.4009.

Stainless steel: Body made of cast material 1.4408, seat hardfaced with stellite 21, disc with conical plug made of s.s. 1.4571, sealing surface hardfaced with stellite 6.

Low temperature steel: Body made of cast material 1.1138, seat hardfaced with stainless steel 1.4370, disc with conical plug made of s.s. 1.4571, sealing surface hardfaced with stellite 6 up to DN 125; above made of 1.0566/1.0488, sealing surface hardfaced with stellite 6.

DN 15 - 50			
PN 40			
	C.S.	S.S.	Low temp.
Tmin.	-10°C	-200°C	-50°C
Tmax.	+400°C	+400°C	+300°C

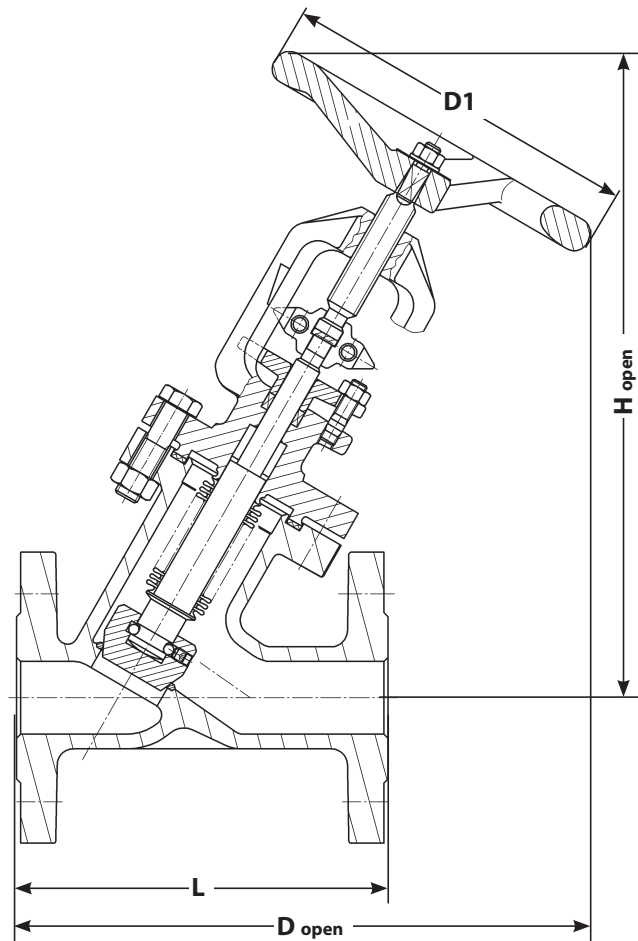
Permissible working pressure acc. EN 1092 - Part 1
Max. differential pressure acc. EN 13709
Terms of delivery DIN 3230/EN 12266-1
Face to face dimension acc. EN 12982

Available on request :

- Special corrosion resistant materials for:
- Complete valve - Bellows - Trim
- Soft sealing and regulating disc
- Welded bonnet
- Heating jacket

Detailed information and more alternatives are given in the appendix.

Component	Material		
	C.S.	S.S.	Low temp.
	11.3-S-FL	11.3-S-FL-A4	11.3-S-FL-TT
Body	1.0619	1.4408	1.1138
Body seat	1.4370	Stellite 21	1.4370
Bonnet	1.0619	1.4408	1.1138
Disc	1.4021	1.4571	1.4571
Disc surface	1.4021	Stellite 6	Stellite 6
Bellows	1.4571	1.4571	1.4571
Bonnet gasket		1.4571/graphite	
Bolts	A2/70	A2/70	A2/70
Nuts	A2/70	A2/70	A2/70
Gland packing		Pure graphite	
Gland	1.0420	1.4408	1.4408
Stem-upper part	1.4122	1.4122	1.4122
Stem-lower part	1.4301	1.4571	1.4301
Handwheel	0.6020	0.6020	0.6020



DN	L [mm]	D _{open} [mm]	H _{open} [mm]	D1 [mm]	G [kg]
15	130	240	295	150	7
20	150	235	295	150	8
25	160	245	295	150	8
32	180	290	330	175	12
40	200	300	330	175	14
50	230	345	360	200	17

Bellows sealed globe valve, y- type, with flanges acc. EN 1092-1; with roll-formed stem screw thread and burnished shaft, coupled stem. Multiplewall liquid contacted bellows made of stainless steel, with anti torque device, tested for 10.000 cycles, metal back seat, safety stuffing box packing made of pure graphite, grooved bonnet gasket made of stainless steel 1.4571 with a coating of pure graphite on both sides, housed in a tongue and grooved flange.

Carbon steel: Body made of cast material 1.0619, seat hardfaced with stainless steel 1.4370, disc with conical plug made of chrome steel 1.4021, vacuum hardened.

Stainless steel: Body made of cast material 1.4408, seat hardfaced with stellite 21, disc with conical plug made of s.s. 1.4571, sealing surface hardfaced with stellite 6.

Low temperature steel: Body made of cast material 1.1138, seat hardfaced with stainless steel 1.4370, disc with conical plug made of s.s. 1.4571, sealing surface hardfaced with stellite 6.

BELLOWS SEALED GLOBE VALVE, FLANGED ENDS

11.3-S-FL

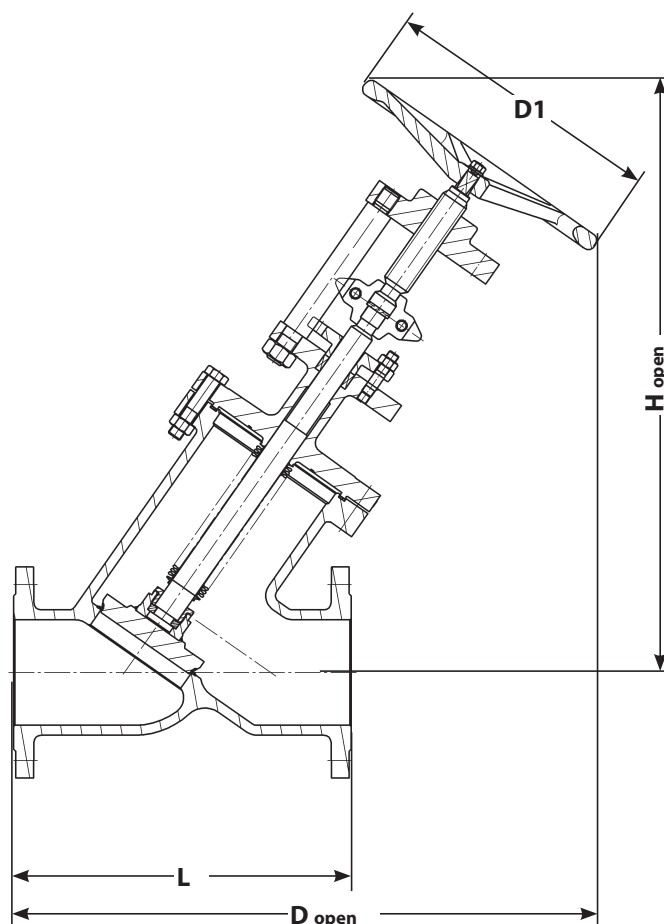
DN 65 - 400			
PN 40			
	C.S.	S.S.	Low temp.
Tmin.	-10°C	-200°C	-50°C
Tmax.	+400°C	+400°C	+300°C

Permissible working pressure acc. EN 1092 - Part 1
Max. differential pressure acc. EN 13709
Terms of delivery DIN 3230/EN 12266-1
Face to face dimension acc. EN 12982

Available on request :

Special corrosion resistant materials for:
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 Soft sealing and regulating disc
 Welded bonnet
 Heating jacket

Detailed information and more alternatives are given in the appendix.



Component	Material		
	C.S. 11.3-S-FL	S.S. 11.3-S-FL-A4	Low temp. 11.3-S-FL-TT
Body	1.0619	1.4408	1.1138
Body seat	1.4370	Stellite 21	1.4370
Bonnet	1.0619	1.4408	1.1138
Disc	1.4021/1.0460	1.4571	1.4571/1.0566
Disc surface	1.4021/1.4009	Stellite 6	Stellite 6
Bellows	1.4571	1.4571	1.4571
Bonnet gasket		1.4571/graphite	
Bolts	A2/70	A2/70	A2/70
Nuts	A2/70	A2/70	A2/70
Gland packing		Pure graphite	
Gland	1.0420	1.4408	1.4408
Stem-upper part	1.4122	1.4122	1.4122
Stem-lower part	1.4301	1.4571	1.4301
Handwheel	0.6020	0.6020	0.6020

DN	L [mm]	D open [mm]	H open [mm]	D1 [mm]	G [kg]
65	290	415	435	200	22
80	310	505	580	250	40
100	350	550	600	300	54
125	400	565	620	300	86
150	480	860	890	400	150
200	600	905	905	400	255
250	730	1285	1220	600	382
300	850	1325	1235	600	510
350	980	1740	1530	600	800
400	1100	1775	1550	600	1020

Bellows sealed globe valve, y- type, with flanges acc. EN 1092-1; with roll-formed stem screw thread and burnished shaft, coupled stem. Multiplewall liquid contacted bellows made of stainless steel, with anti torque device, tested for 10.000 cycles, metal back seat, safety stuffing box packing made of pure graphite, grooved bonnet gasket made of stainless steel 1.4571 with a coating of pure graphite on both sides, housed in a tongue and grooved flange. Bonnet design DN 65 - 125 with yoke; from DN 150 and above with column and screwed flange. Stem from DN 250 and above provided with an additional guide sleeve.

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Stainless steel: Body made of cast material 1.4408, seat hardfaced with stellite 21, disc with conical plug made of s.s. 1.4571, sealing surface hardfaced with stellite 6.

Low temperature steel: Body made of cast material 1.1138, seat hardfaced with stainless steel 1.4370, disc with conical plug made of s.s. 1.4571, sealing surface hardfaced with stellite 6 up to DN 125; above made of 1.0566/1.0488, sealing surface hardfaced with stellite 6.