

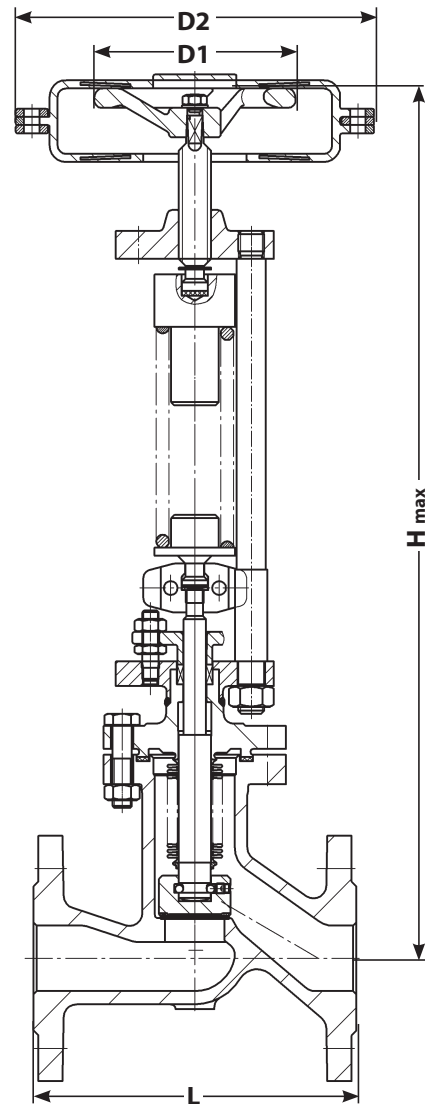
DN 15 - 50			
PN 40			
	C.S.	S.S.	Low temp.
Tmin.	-10°C	-200°C	-50°C
Tmax.	+400°C	+400°C	+300°C

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

Spring-Range-Table:				
Opening pressure in bar when using different springs				
DN 15 - 25 :	0,5 - 6 bar	5 - 10 bar	10 - 16 bar	16 - 25 bar
DN 32 - 40 :	0,5 - 3 bar	3 - 6 bar	6 - 10 bar	10 - 25 bar
DN 50 :	0,5 - 3 bar	3 - 6 bar	6 - 10 bar	10 - 20 bar

Detailed information and more alternatives are given in the appendix.

Component	Material		
	C.S. 14.3-G-FL	S.S. 14.3-G-FL-A4	Low temp. 14.3-G-FL-TT
Body	1.0619	1.4408	1.1138
Body seat	1.4370	Stellite 21	1.4370
Bonnet	1.0619	1.4408	1.0566
Disc	1.4571	1.4571	1.4571
Disc surface	Stellite 6	Stellite 6	Stellite 6
Bellows	1.4571	1.4571	1.4571
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	1.4571	1.4571	1.4301
Bush	1.4301	1.4301	1.4301
Spring	1.4310	1.4310	1.4310
Handwheel	0.6020	0.0620	0.0620
Valve cover		Polypropylene	



DN	L [mm]	H _{max} [mm]	D1 [mm]	D2 [mm]	G [kg]
15	130	465	125	185	9
20	150	465	125	185	10
25	160	520	125	185	10
32	180	540	125	185	14
40	200	540	125	185	16
50	230	560	125	185	19

Bellows sealed relief 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.

The opening pressure can be re-adjusted by removing the valve cover and turning the handwheel clockwise.

Carbon steel: Body made of cast material 1.0619, seat hardfaced with stainless steel 1.4370, disc made of stainless steel 1.4571, sealing surface hardfaced with stellite 6.

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

RELIEF VALVE, FLANGED ENDS

14.3-G-FL

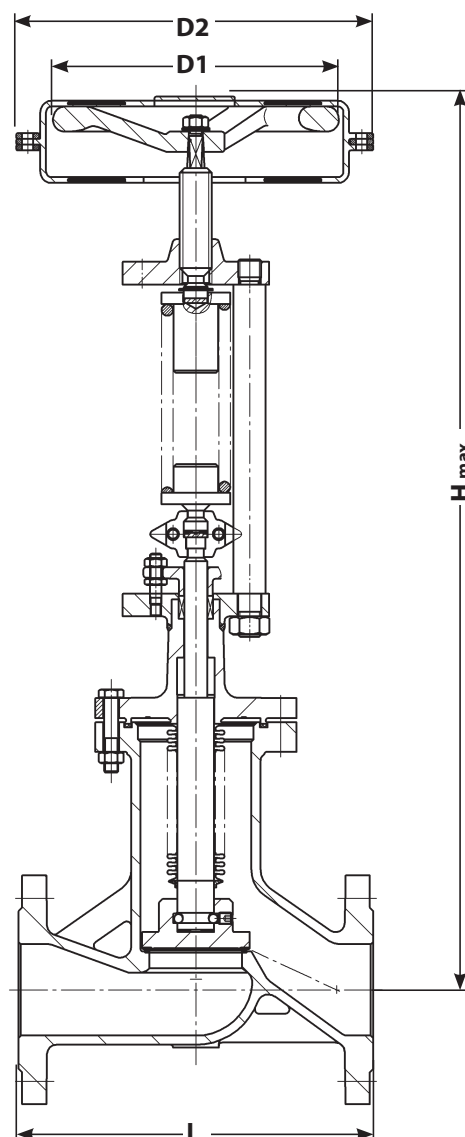
DN 65 - 150			
PN 40			
	C.S.	S.S.	Low temp.
Tmin.	-10°C	-200°C	-50°C
Tmax.	+400°C	+400°C	+300°C

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

Spring-Range-Table:				
Opening pressure in bar when using different springs				
DN 65 - 150:	0,5 - 3 bar	3 - 6 bar	5 - 10 bar	10 - 16 bar

Detailed information and more alternatives are given in the appendix.

Component	Material		
	C.S.	S.S.	Low temp.
	14.3-G-FL	14.3-G-FL-A4	14.3-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	1.4571/1.0460	1.4571	1.4571
Disc surface	St.6/1.4009	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	1.4571	1.4571	1.4301
Bush	1.4301	1.4301	1.4301
Spring	1.4310	1.4310	1.4310
Handwheel	0.6020	0.0620	0.0620
Valve cover		Polypropylene	



DN	L [mm]	H _{max} [mm]	D1 [mm]	D2 [mm]	G [kg]
65	290	625	125	185	28
80	310	795	250	315	42
100	350	795	250	315	58
125	400	780	250	315	88
150	480	1215	300	400	157

Bellows sealed relief 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.

The opening pressure can be re-adjusted by removing the valve cover and turning the handwheel clockwise.

Carbon steel: Body made of cast material 1.0619, seat hardfaced with stainless steel 1.4370, disc made of stainless steel 1.4571, sealing surface hardfaced with stellite 6 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 made of stainless steel 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 made of stainless steel 1.4571, sealing surface hardfaced with stellite 6.

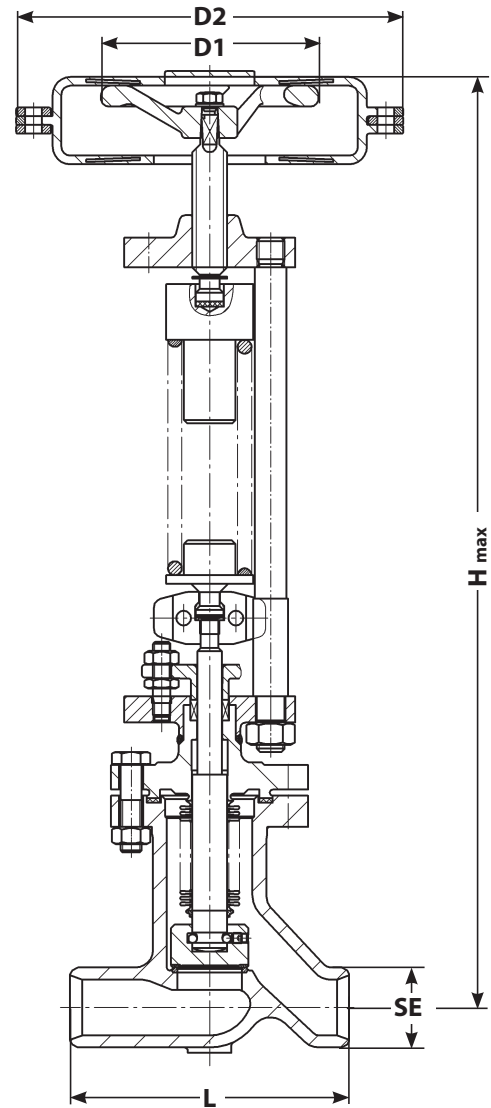
DN 15 - 50			
PN 40			
	C.S.	S.S.	Low temp.
Tmin.	-10°C	-200°C	-50°C
Tmax.	+400°C	+400°C	+300°C

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

Spring-Range-Table:				
Opening pressure in bar when using different springs				
DN 15 - 25 :	0,5 - 6 bar	5 - 10 bar	10 - 16 bar	16 - 25 bar
DN 32 - 40 :	0,5 - 3 bar	3 - 6 bar	6 - 10 bar	10 - 25 bar
DN 50 :	0,5 - 3 bar	3 - 6 bar	6 - 10 bar	10 - 20 bar

Detailed information and more alternatives are given in the appendix.

Component	Material		
	C.S. 14.3-G-SE	S.S. 14.3-G-SE-A4	Low temp. 14.3-G-SE-TT
Body	1.0619/1.0460	1.4408/1.4571	1.1138/1.0488
Body seat	1.4370	Stellite 21	1.4370
Bonnet	1.0619	1.4408	1.0566
Disc	1.4571	1.4571	1.4571
Disc surface	Stellite 6	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	1.4571	1.4571	1.4301
Bush	1.4301	1.4301	1.4301
Spring	1.4310	1.4310	1.4310
Handwheel	0.6020	0.0620	0.0620
Valve cover		Polypropylene	



DN	SE [mm]	L [mm]	H _{max} [mm]	D1 [mm]	D2 [mm]	G [kg]
15	21,3*2,0	130	500	125	185	8
20	26,9*2,3	130	500	125	185	9
25	33,7*2,6	130	500	125	185	9
32	42,4*2,6	160	540	125	185	12
40	48,3*2,6	180	540	125	185	13
50	60,3*3,2	210	560	125	185	15

Bellows sealed relief valve, straight type, with butt welding ends acc. EN 12627; with roll-formed stem screw thread and burnished shaft, coupled stem. Multiple wall 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.

The opening pressure can be re-adjusted by removing the valve cover and turning the handwheel clockwise.

Carbon steel: Body made of cast/forged material 1.0619/1.0460, seat hardfaced with stainless steel 1.4370, disc made of stainless steel 1.4571, sealing surface hardfaced with stellite 6.

Stainless steel: Body made of cast/forged material 1.4408/1.4571, seat hardfaced with stellite 21, disc made of stainless steel 1.4571, sealing surface hardfaced with stellite 6.

Low temperature steel: Body made of cast/forged material 1.1138/1.0488, seat hardfaced with stainless steel 1.4370, disc made of stainless steel 1.4571, sealing surface hardfaced with stellite 6.

RELIEF VALVE, BUTTWELD ENDS

14.3-G-SE

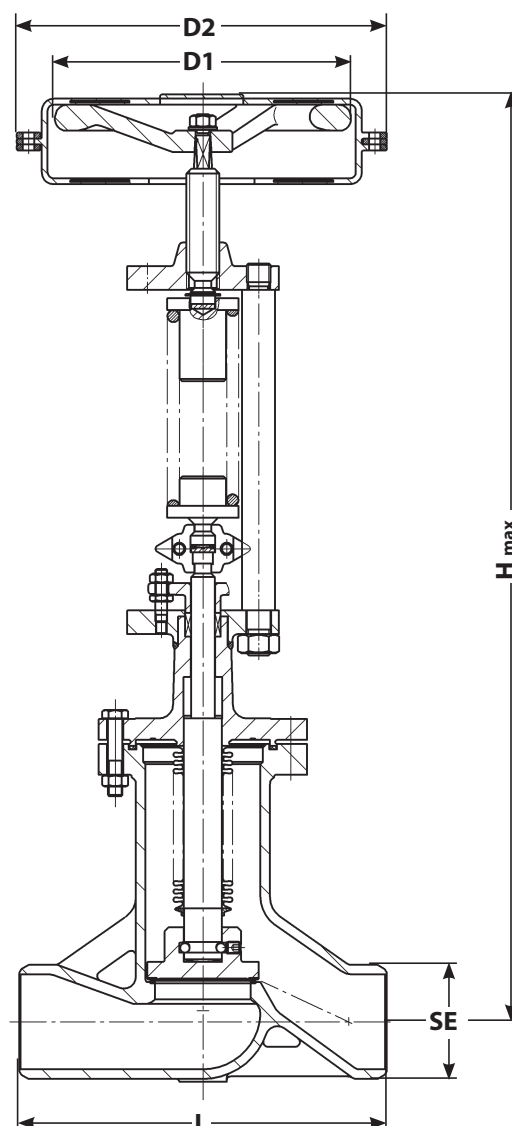
DN 65 - 150			
PN 40			
	C.S.	S.S.	Low temp.
Tmin.	-10°C	-200°C	-50°C
Tmax.	+400°C	+400°C	+300°C

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

Spring-Range-Table:				
Opening pressure in bar when using different springs				
DN 65 - 150:	0,5 - 3 bar	3 - 6 bar	5 - 10 bar	10 - 16 bar

Detailed information and more alternatives are given in the appendix.

Component	Material		
	C.S.	S.S.	Low temp.
	14.3-G-SE	14.3-G-SE-A4	14.3-G-SE-TT
Body	1.0619	1.4408	1.1138
Body seat	1.4370	Stellite 21	1.4370
Bonnet	1.0619	1.4408	1.1138
Disc	1.4571/1.0460	1.4571	1.4571
Disc surface	St.6/1.4009	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	1.4571	1.4571	1.4301
Bush	1.4301	1.4301	1.4301
Spring	1.4310	1.4310	1.4310
Handwheel	0.6020	0.0620	0.0620
Valve cover		Polypropylene	



DN	SE [mm]	L [mm]	H _{max} [mm]	D1 [mm]	D2 [mm]	G [kg]	
65	76,1*	3,6	290	625	125	185	20
80	88,9*	4,0	310	795	250	315	32
100	114,3*	5,0	350	795	250	315	40
125	139,7*	4,5	400	780	250	315	74
150	168,3*	5,6	480	1215	300	400	132

Bellows sealed relief valve, straight type, with buttwelding ends acc. EN 12627; 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.

The opening pressure can be re-adjusted by removing the valve cover and turning the handwheel clockwise.

Carbon steel: Body made of cast material 1.0619, seat hardfaced with stainless steel 1.4370, disc made of stainless steel 1.4571, sealing surface hardfaced with stellite 6 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 made of stainless steel 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 made of stainless steel 1.4571, sealing surface hardfaced with stellite 6.

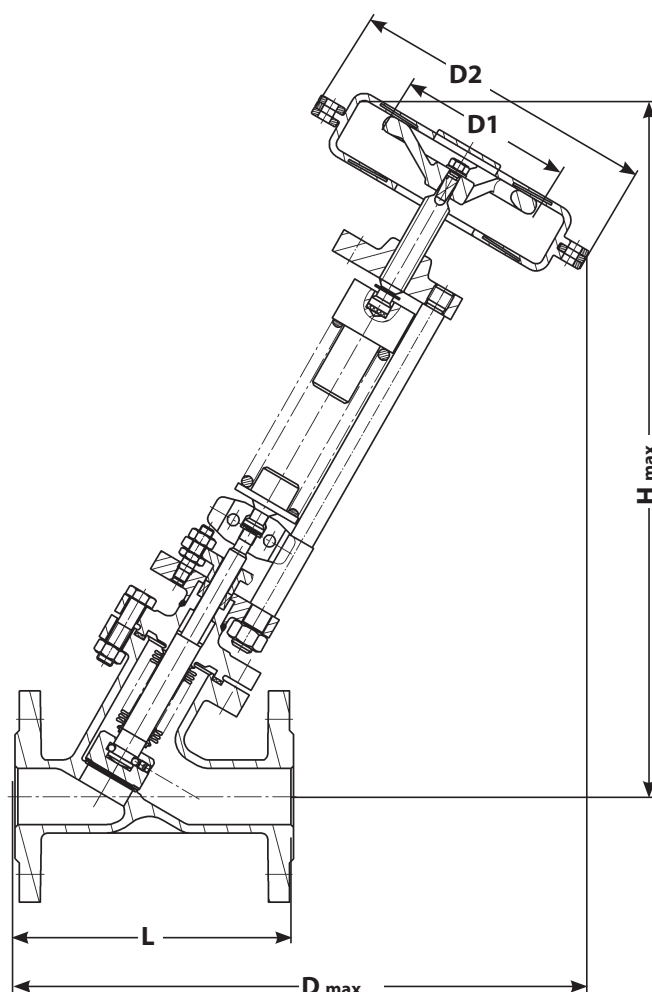
DN 15 - 50			
PN 40			
	C.S.	S.S.	Low temp.
Tmin.	-10°C	-200°C	-50°C
Tmax.	+400°C	+400°C	+300°C

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

Spring-Range-Table:				
Opening pressure in bar when using different springs				
DN 15 - 25 :	0,5 - 6 bar	5 - 10 bar	10 - 16 bar	16 - 25 bar
DN 32 - 40 :	0,5 - 3 bar	3 - 6 bar	6 - 10 bar	10 - 25 bar
DN 50 :	0,5 - 3 bar	3 - 6 bar	6 - 10 bar	10 - 20 bar

Detailed information and more alternatives are given in the appendix.

Component	Material		
	C.S.	S.S.	Low temp.
	14.3-S-FL	14.3-S-FL-A4	14.3-S-FL-TT
Body	1.0619	1.4408	1.1138
Body seat	1.4370	Stellite 21	1.4370
Bonnet	1.0619	1.4408	1.0566
Disc	1.4571	1.4571	1.4571
Disc surface	Stellite 6	Stellite 6	Stellite 6
Bellows	1.4571	1.4571	1.4571
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	1.4571	1.4571	1.4301
Bush	1.4301	1.4301	1.4301
Spring	1.4310	1.4310	1.4310
Handwheel	0.6020	0.0620	0.0620
Valve cover		Polypropylene	



DN	L [mm]	D _{max} [mm]	H _{max} [mm]	D1 [mm]	D2 [mm]	G [kg]
15	130	360	495	125	185	9
20	150	355	495	125	185	10
25	160	365	500	125	185	10
32	180	405	505	125	185	14
40	200	415	500	125	185	16
50	230	445	525	125	185	19

Bellows sealed relief 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.

The opening pressure can be re-adjusted by removing the valve cover and turning the handwheel clockwise.

Carbon steel: Body made of cast material 1.0619, seat hardfaced with stainless steel 1.4370, disc made of stainless steel 1.4571, sealing surface hardfaced with stellite 6.

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

RELIEF VALVE, FLANGED ENDS

14.3-S-FL

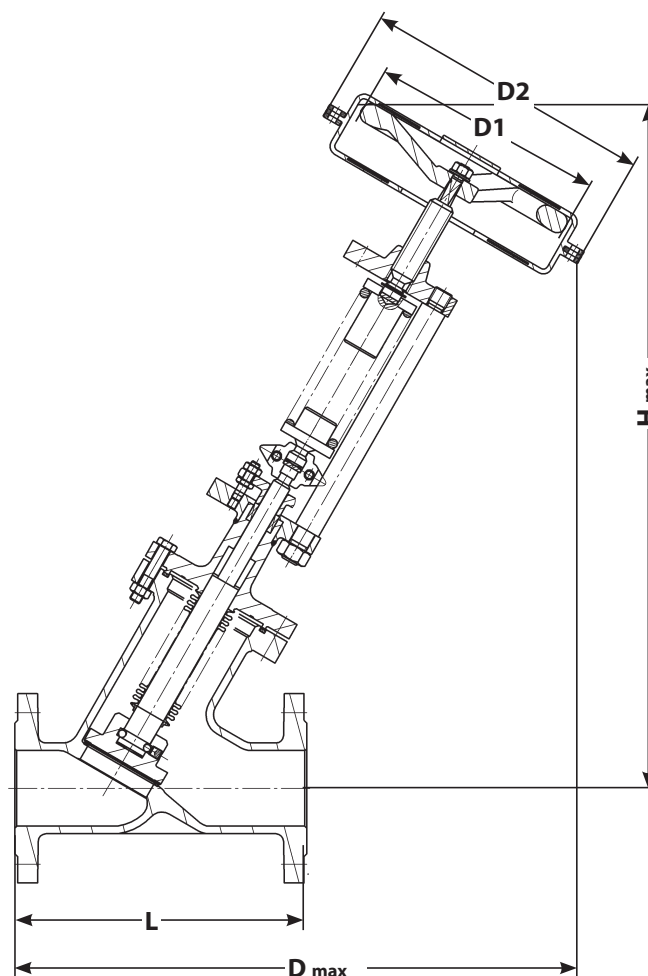
DN 65 - 150			
PN 40			
	C.S.	S.S.	Low temp.
Tmin.	-10°C	-200°C	-50°C
Tmax.	+400°C	+400°C	+300°C

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

Spring-Range-Table:			
Opening pressure in bar when using different springs			
DN 65 - 150:	0,5 - 3 bar	3 - 6 bar	5 - 10 bar 10 - 16 bar

Detailed information and more alternatives are given in the appendix.

Component	Material		
	C.S.	S.S.	Low temp.
	14.3-G-FL	14.3-G-FL-A4	14.3-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	1.4571/1.0460	1.4571	1.4571
Disc surface	St.6/1.4009	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	1.4571	1.4571	1.4301
Bush	1.4301	1.4301	1.4301
Spring	1.4310	1.4310	1.4310
Handwheel	0.6020	0.0620	0.0620
Valve cover		Polypropylene	



DN	L [mm]	D max [mm]	H max [mm]	D1 [mm]	D2 [mm]	G [kg]
65	290	505	570	125	185	28
80	310	605	735	250	315	42
100	350	630	740	250	315	58
125	400	635	750	250	315	88
150	480	965	1070	300	400	157

Bellows sealed relief 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.

The opening pressure can be re-adjusted by removing the valve cover and turning the handwheel clockwise.

Carbon steel: Body made of cast material 1.0619, seat hardfaced with stainless steel 1.4370, disc made of stainless steel 1.4571, sealing surface hardfaced with stellite 6 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 made of stainless steel 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 made of stainless steel 1.4571, sealing surface hardfaced with stellite 6.

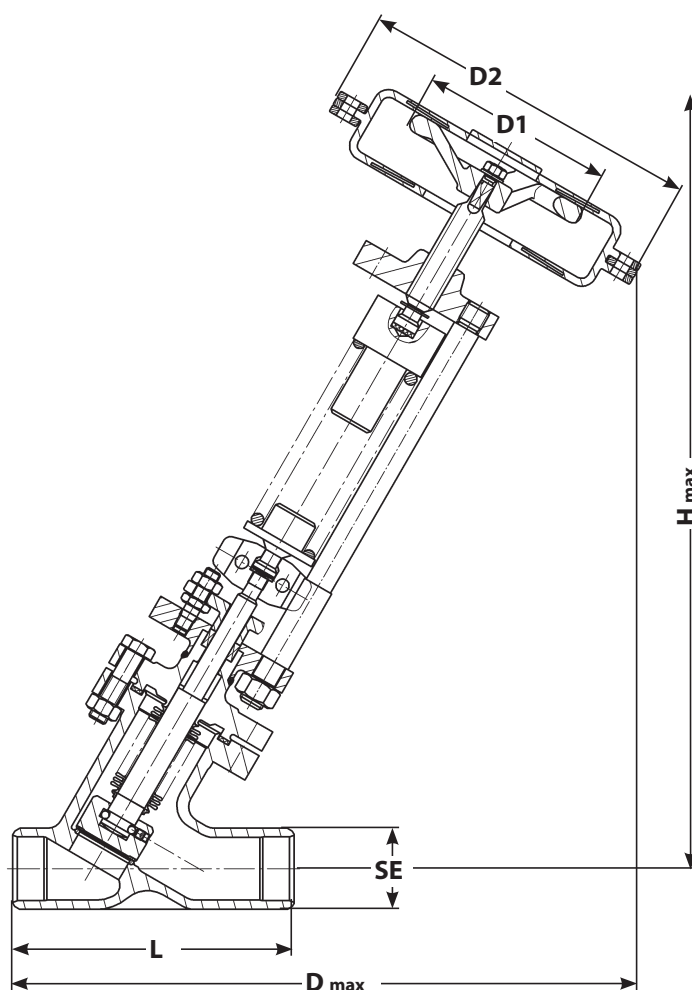
DN 15 - 50			
PN 40			
	C.S.	S.S.	Low temp.
Tmin.	-10°C	-200°C	-50°C
Tmax.	+400°C	+400°C	+300°C

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

Spring-Range-Table:

Detailed information and more alternatives are given in the appendix.

Component	Material		
	C.S.	S.S.	Low temp.
	14.3-S-SE	14.3-S-SE-A4	14.3-S-SE-TT
Body	1.0619/1.0460	1.4408/1.4571	1.1138/1.0488
Body seat	1.4370	Stellite 21	1.4370
Bonnet	1.0619	1.4408	1.0566
Disc	1.4571	1.4571	1.4571
Disc surface	Stellite 6	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	1.4571	1.4571	1.4301
Bush	1.4301	1.4301	1.4301
Spring	1.4310	1.4310	1.4310
Handwheel	0.6020	0.0620	0.0620
Valve cover		Polypropylene	



DN	SE [mm]	L [mm]	D _{max} [mm]	H _{max} [mm]	D1 [mm]	D2 [mm]	G [kg]
15	21,3*2,0	130	375	475	125	185	8
20	26,9*2,3	130	375	475	125	185	9
25	33,7*2,6	130	375	475	125	185	9
32	42,4*2,6	160	410	505	125	185	12
40	48,3*2,6	180	405	500	125	185	13
50	60,3*3,2	210	435	525	125	185	15

Bellows sealed relief valve, y-type, with buttwelding ends acc. EN 12627; 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.

The opening pressure can be re-adjusted by removing the valve cover and turning the handwheel clockwise.

Carbon steel: Body made of cast/forged material 1.0619/1.0460, seat hardfaced with stainless steel 1.4370, disc made of stainless steel 1.4571, sealing surface hardfaced with stellite 6.

Stainless steel: Body made of cast/forged material 1.4408/1.4571, seat hardfaced with stellite 21, disc made of stainless steel 1.4571, sealing surface hardfaced with stellite 6.

Low temperature steel: Body made of cast/forged material 1.1138/1.0488, seat hardfaced with stainless steel 1.4370, disc made of stainless steel 1.4571, sealing surface hardfaced with stellite 6.

RELIEF VALVE, BUTTWELD ENDS

14.3-S-SE

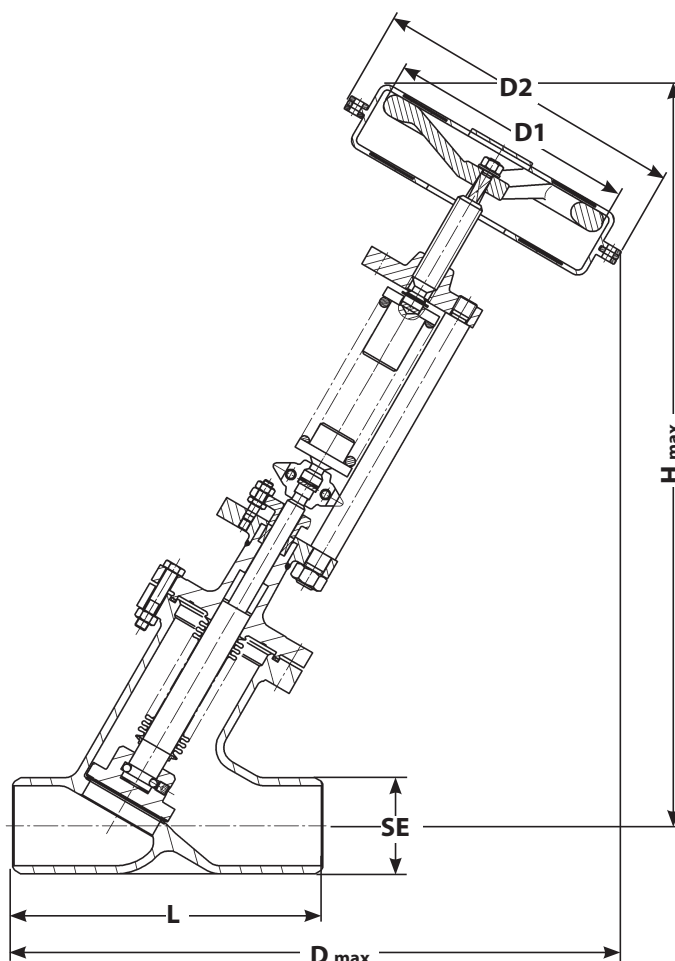
DN 65 - 150			
PN 40			
	C.S.	S.S.	Low temp.
Tmin.	-10°C	-200°C	-50°C
Tmax.	+400°C	+400°C	+300°C

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

Spring-range-table: Opening pressure when using different springs				
DN 65 - 150:	0,5 - 3 bar	3 - 6 bar	5 - 10 bar	10 - 16 bar

Detailed information and more alternatives are given in the appendix.

Component	Material		
	C.S.	S.S.	Low temp.
	14.3-S-SE	14.3-S-SE-A4	14.3-S-SE-TT
Body	1.0619	1.4408	1.1138
Body seat	1.4370	Stellite 21	1.4370
Bonnet	1.0619	1.4408	1.1138
Disc	1.4571/1.0460	1.4571	1.4571
Disc surface	St.6/1.4009	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	1.4571	1.4571	1.4301
Bush	1.4301	1.4301	1.4301
Spring	1.4310	1.4310	1.4310
Handwheel	0.6020	0.0620	0.0620
Valve cover		Polypropylene	



DN1	SE [mm]	L [mm]	D _{max} [mm]	H _{max} [mm]	D1 [mm]	D2 [mm]	G [kg]
65	76,1*3,6	290	505	570	125	185	20
80	88,9*4,0	310	610	740	250	315	32
100	114,3*5,0	350	635	745	250	315	40
125	139,7*4,5	400	640	755	250	315	74
150	168,3*5,6	480	965	1070	300	400	132

Bellows sealed relief valve, y-type, with buttwelding ends acc. EN 12627; 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.

The opening pressure can be re-adjusted by removing the valve cover and turning the handwheel clockwise.

Carbon steel: Body made of cast material 1.0619, seat hardfaced with stainless steel 1.4370, disc made of stainless steel 1.4571, sealing surface hardfaced with stellite 6 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 made of stainless steel 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 made of stainless steel 1.4571, sealing surface hardfaced with stellite 6.