

**Bellows Sealed Globe Valve with flanges  
according to EURO CHLOR recommendation**

**EC11.35-G-FL  
Certificate no. 08/02**

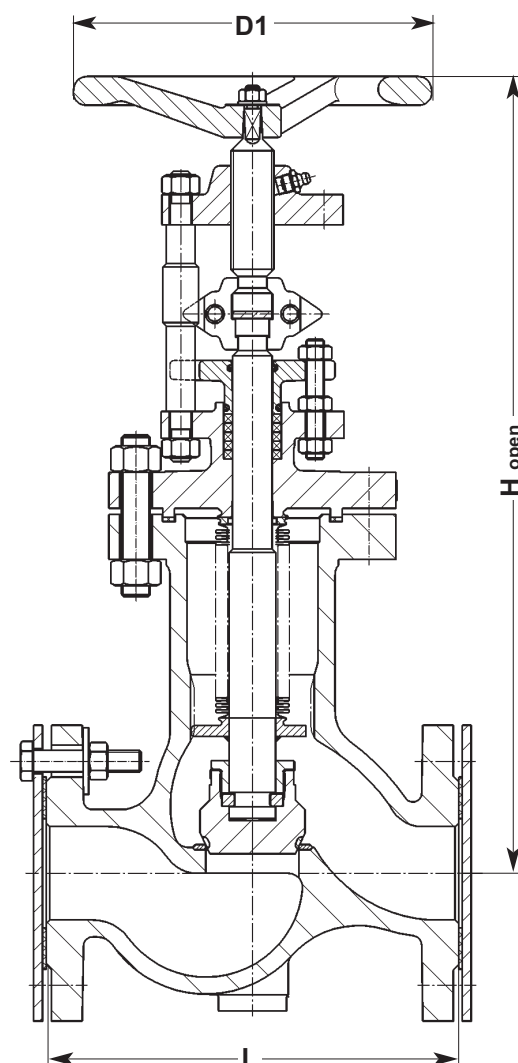
<b>DN 25, 40, 50</b>	<b>1", 1 1/2", 2"</b>
<b>PN 40</b>	<b>ASME 300lb</b>
<b>Low temperature steel</b>	
<b>Tmin. -40°C</b>	
<b>Tmax. +120°C</b>	

<b>Permissible working pressure acc. EN 1092-Part 1 / ASME B16.94 - 1998</b>
<b>Max. differential pressure acc. EN 13709</b>
<b>Terms of delivery DIN 3230/EN 12266-1 acc. API 598</b>
<b>Face to face dimensions acc. EN 558-1 / ASME B16.10</b>

Component	Material	
	Low temperature steel	
	EC11.35-G-FL	
	DIN EN 1092-1	ASME B 16.5
Body	1.1138	A 352 (LCC)
Body seat	Stellite 21	Stellite 21
Bonnet	1.1138	A 352 (LCC)
Disc	1.4571	A 182 (316 TI)
Disc surface	Stellite 6	Stellite 6
Bellows	2.4819	Hastelloy C276
Bonnet gasket	1.4571/PTFE	A 182 (316 TI)/PTFE
Stud bolts	1.7225	A 320 (L7, L7M)
Nuts	1.7218	A 194 (7,7M)
Gland packing	PTFE	PTFE
Gland follower	1.4408	A 351 (CF8M)
Stem-upper part	1.4122	1.4122
Stem-lower part	1.4571	A 182 (316 TI)
Handwheel	0.6020	A 48 (30B)

DIN EN 1092-1				
DN	L [mm]	H <sub>open</sub> [mm]	D1 [mm]	G [kg]
25	160	355	150	8
40	200	465	175	14
50	230	470	200	17

ASME B 16.5				
NPS	L [mm]	H <sub>open</sub> [mm]	D1 [mm]	G [kg]
1"	203	355	150	8
1 1/2"	229	465	175	14
2"	267	470	200	17



Bellows Sealed Globe Valve according to EURO CHLOR recommendation GEST 89/140; straight type with flanges acc. EN 1092-1 rather ASME B 16.5 for use on liquid chlorine service and similar toxic, aggressive and corrosive media.

**Construction characteristics:**

- Bonnet flange in tongue and grooved design; bolting by stud bolts, with a nut at each end; bonnet gasket made of A 182 (316 TI) with PTFE coating.
- In- and outlet flanges securely bolted with blank flanges and fitted with suitable gaskets.
- Bellows anti-torque device with integrated position indicator for open and closed positions.
- Safety gland packing made of PTFE-silk; gland follower with double O-ring seal to prevent ingress of water into the packing area
- Protected multiple wall bellows made of 2.4819/Hastelloy C276, designed for 20.000 operations, installed beyond main flow area.

**Low temperature steel:** Body made of cast material 1.1138/A 352 (LCC), seat hardfaced with stellite 21, disc with conical plug made of s.s. 1.4571/A182 (316 TI), sealing surface hardfaced with stellite 6.

Technical data as well as mounting and maintenance instructions are given in the appendix of the main catalogue.

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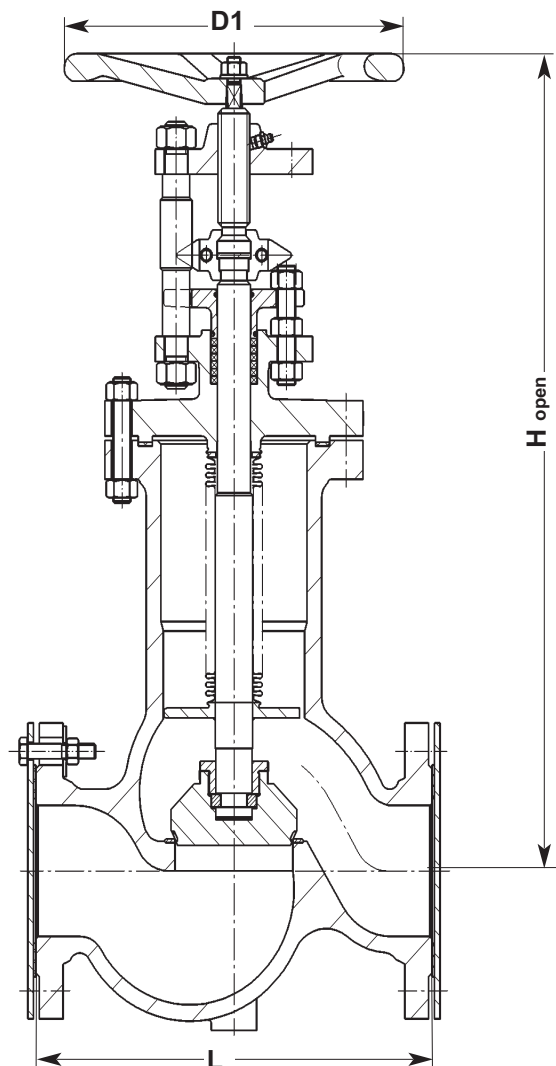
<b>DN 80, 100, 150</b>	<b>3", 4", 6"</b>
<b>PN 40</b>	<b>ASME 300lb</b>
<b>Low temperature steel</b>	
<b>Tmin. -40°C</b>	
<b>Tmax. +120°C</b>	

<b>Permissible working pressure acc. EN 1092-Part 1 / ASME B16.94 - 1998</b>
<b>Max. differential pressure acc. EN 13709</b>
<b>Terms of delivery DIN 3230/EN 12266-1 acc. API 598</b>
<b>Face to face dimensions acc. EN 558-1 / ASME B16.10</b>

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Bonnet	1.1138	A 352 (LCC)
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Disc surface	Stellite 6	Stellite 6
Bellows	2.4819	Hastelloy C276
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Stem-lower part	1.4571	A 182 (316 TI)
Handwheel	0.6020	A 48 (30B)

DIN EN 1092-1				
DN	L [mm]	H <sub>open</sub> [mm]	D1 [mm]	G [kg]
80	310	655	250	40
100	350	685	300	56
150	480	990	400	155

ASME B 16.5				
DN	L [mm]	H <sub>open</sub> [mm]	D1 [mm]	G [kg]
3"	318	655	250	40
4"	356	685	300	56
6"	445	990	400	155



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