EURO CHLOR
Bellows Sealed Globe Valve

EC11.35-G-FL-TT

Euro Chlor
representing the chlor-alkali industry

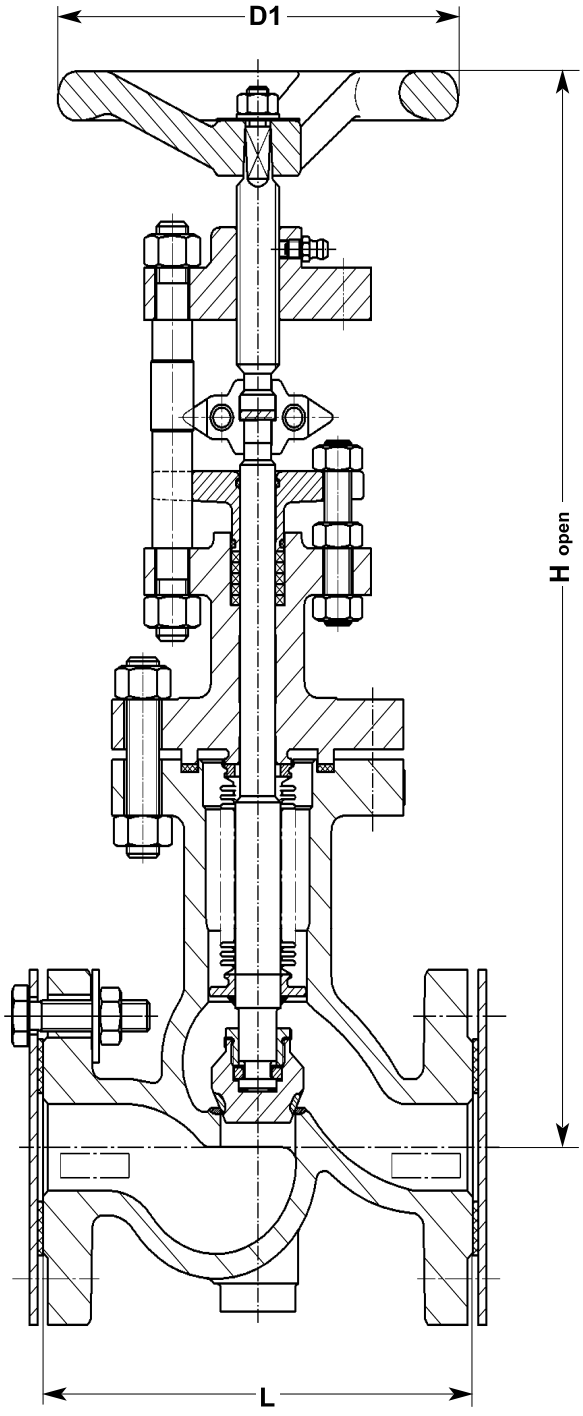
according to EURO CHLOR GEST 89/140

Certificate no. 08/02

DN 15 - 50	
PN 40	
	Low temperature steel
Tmin.	- 40°C
Tmax.	+120°C

Component	Material Low temp. steel *EC11.35-G-FL-TT*
Body	1.1138
Body seat	Stellite 21
Bonnet	1.1138
Disc	1.4571
Disc surface	Stellite 6
Bellows	2.4819
Bonnet gasket	1.4571/PTFE
Stud bolts	1.7225
Nuts	1.7218
Gland packing	PTFE
Gland follower	1.4408
O-Ring	Viton
Stem-upper part	1.4122
Stem-lower part	1.4571
Handwheel	0.6020

Flanges acc. DIN EN 1092-1				
DN	L [mm]	H open [mm]	D1 [mm]	G [kg]
15 *	130	365	150	8
20 *	150	365	150	8
25	160	365	150	8
32 *	180	480	175	14
40	200	480	175	14
50	230	480	200	17



* These sizes are not included in GEST 89/140.
Construction and materials are in conformity with GEST 89/140.

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Bellows Sealed Globe Valve **according to EURO CHLOR recommendation GEST 89/140**; straight type with flanges acc. EN 1092-1 for use on liquid and dry gaseous 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 1.4571 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.
- Body made of cast material 1.1138, seat hardfaced with stellite 21.
- Disc with conical plug made of s.s. 1.4571, sealing surface hardfaced with stellite 6.

Testing / Marking:

- Tests and design acc. to EURO CHLOR recommendation GEST 89/140, GEST 86/128, GEST 86/129.
- Quality level 3 of ASTM E446 or equivalent standard for body and bonnet.
- TÜV type test approval to VdTÜV 1065 available.
- Standard tests to DIN 3230 Part 3, resistance and leak test acc. to item BA/BQ.
- Leak test on closure acc. to item BO/BN (Leakage rate 1 = tight).
- TÜV approved strength calculations acc. to DIN 3840 available for body and bonnet.

Preservation after manufacture and final tests

- Drying at a temperature of 120°C (248°F) for at least 3 hours.
- Introducing of drying agents (Silicagel) into the valve.
- Blanking of inlet and outlet orifice with suitable gaskets and bolted flanges to avoid entry of moisture into the valve.
- Disc secured in closed position.
- Unfinished surfaces protected against rust.
- Lubrication with chlorofluorinated grease.