





Model 350EC4-5 PN63

Straight Way / Protected Bellows

PN63 Sizes DN25 - DN150

Testing / Marking

- test and design acc. to GEST 17/492
- **DIN EN 13709**, DIN EN 1092-1 B2, DIN EN 558 Reihe 2
- TÜV approved strength calculation acc. to DIN EN 12516-2 available for body & bonnet
- standard tests acc. to DIN EN 12266, ISO 5208, resistance and shell strength and leak test acc. to P10 and P11
- leak test on closure acc. to P12 (leakage rate A = tight)
- ASME B16.34 / MSS SP 61 / API 598 / BS 6755
- **max. dp 15 bar in acc. with customer specification**

Preservation

- drying at a temperature of 120°C (248°F) for at least 3 hours
- stuffing 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

Dimensions & Weights & Flow Coefficients

DN	Unit	Globe		Flange facing type B2						Kv [m³/h]	
		L	H	ØR	ØG	ØK	No x ØC	ØD	B	Weight	cv [USGal/min]
25	[mm]	230	415	150	68	100	4 x 18	140	24	11 kg	11
	[in]	9.06	16.34	5.91	2.68	3.94	4 x 0.71	5.51	0.94	24 lbs	12.79
40	[mm]	260	460	200	88	125	4 x 22	170	26	22 kg	27
	[in]	10.24	18.11	7.87	3.46	4.92	4 x 0.87	6.69	1.02	49 lbs	31
50	[mm]	300	460	200	102	135	4 x 22	180	26	25 kg	46
	[in]	11.81	18.11	7.87	4.02	5.31	4 x 0.87	7.09	1.02	55 lbs	53
80	[mm]	380	695	250	138	170	8 x 22	215	28	65 kg	117
	[in]	14.96	27.36	9.84	5.43	6.69	8 x 0.87	8.46	1.10	143 lbs	136
100*	[mm]	430	770	315	162	200	8 x 26	250	30	101 kg	179
	[in]	16.93	30.31	12.40	6.38	7.87	8 x 1.02	9.84	1.18	223 lbs	208
150*	[mm]	550	1005	400	218	280	8 x 33	345	36	215 kg	445
	[in]	21.65	39.57	15.75	8.58	11.02	8 x 1.30	13.58	1.42	474 lbs	517

\* with Equilibrating Disc

Functionality of Equilibrating Disc

Valves equipped with an Equilibrating Disc shall be installed in the system in such a way that the flow (and the pressure) comes from atop the disc.

At closed valve (fig. 1) the Starter Disc (a) will be lifted from its seat by turning the handwheel anticlockwise. This lift provokes immediately an equilibration of the pressure of the media (fig. 2) under the main disc (b). As soon as this balance of pressures is reached up to values mentioned in the table 1, the valve can be operated without supplementary tools or devices by normal hand force by further turning the handwheel (fig. 3).

DIN EN 13709, 4.2.3

Permissible differential pressure [bar]

PN	DN											
	10	15	20	25	32	40	50	65	80	100	125	150
10												
16												
25												25
40											35	25
63										55	35	25

Modifications reserved

Model 350EC4-5 PN63

Straight Way / Protected Bellows

PN63 Sizes DN100 - DN150 Gear operated, without Equilibrating Disc:

Testing / Marking

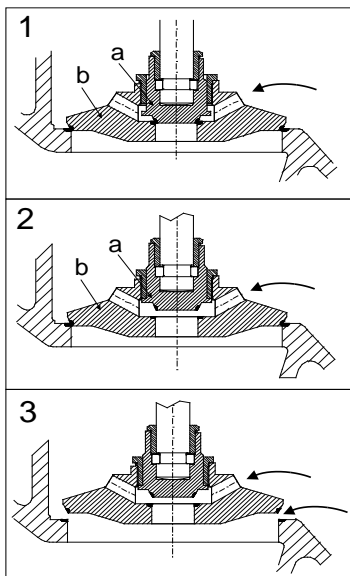
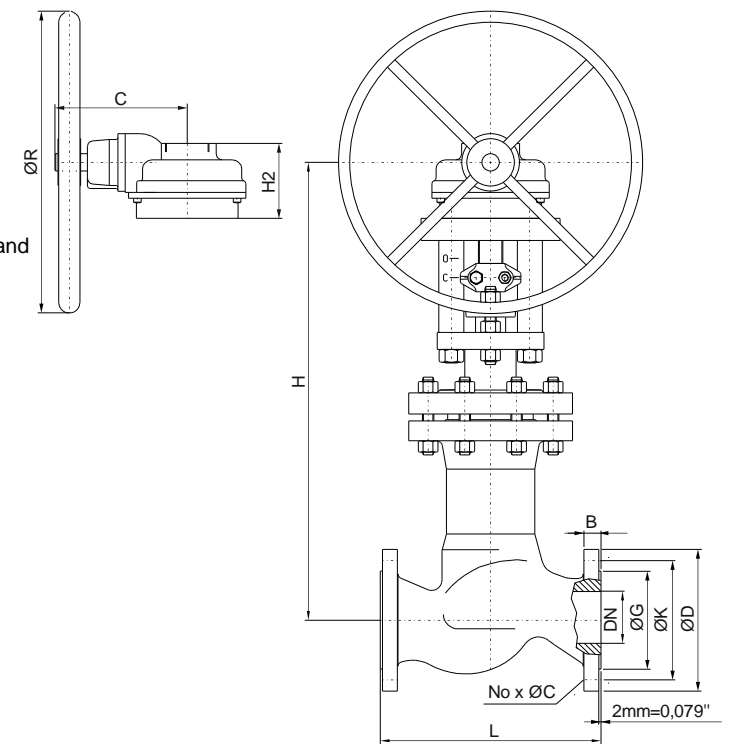
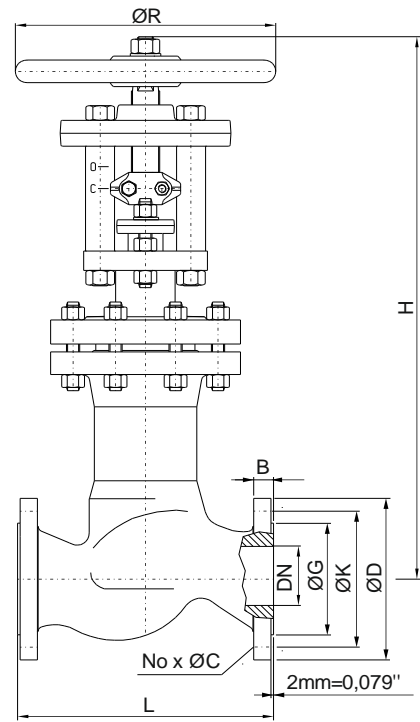
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Preservation

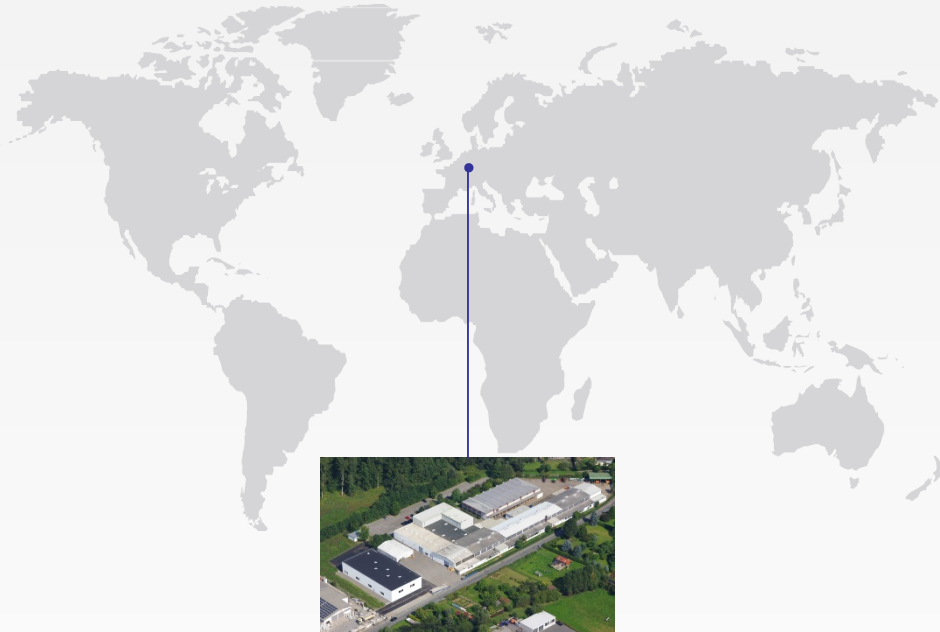
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Dimensions & Weights & Flow Coefficients

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		L	H	ØR	ØG	ØK	No x ØC	ØD	B	C	H2	Weight	cv [USGal/min]
100	[mm]	430	830	400	162	200	8 x 26	250	30	230	130	115 kg	179
	[in]	16.93	32.68	15.75	6.38	7.87	8 x 1.02	9.84	1.18	9.06	5.12	254 lbs	208
150	[mm]	550	1100	400	218	280	8 x 33	345	36	230	130	215 kg	445
	[in]	21.65	43.31	15.75	8.58	11.02	8 x 1.30	13.58	1.42	9.06	5.12	474 lbs	517



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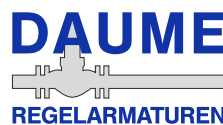
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