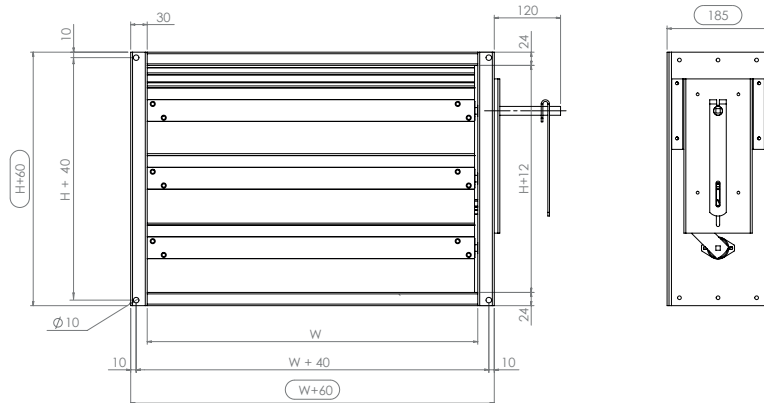


BALANCING AND SHUT OFF DAMPER

GLO 150 - GLS 150

The marine dampers type GLO 150-GLS 150 are designed to control or shut-off HVAC ductworks. The GLO 150-GLS 150 range is suitable for large-sized ventilation networks (up to 2 000 x 2 000 mm).



CHARACTERISTICS

		GLO 150	GLS 150
Upstream/downstream airtightness according to EN 1751		Not classified	Class 3
Frame airtightness according to EN 1751		Class A <i>Option</i> : Class C	
Frame	Material	Galvanized steel <i>Option</i> : stainless steel AISI 304 L or 316 L	
	Thickness	1.5 mm	
	Depth	185 mm	
	Flange	Top and bottom 24 mm - Sides 30 mm <i>Option</i> : flanges according ISO 15138	
Drilling		Ø10 in angles <i>Option</i> : drilling according to ISO 15138 - Special drilling on request	
Blades	Material	Galvanized steel <i>Option</i> : stainless steel AISI 304 L or 316 L	
	Thickness	2 x 0.8 mm	
	Height	100 mm or 150 mm pitch	
	Bearings	Nylon bearings <i>Options</i> : teflon or bronze bearings with zinc-plated steel or stainless steel cage	
Shafts		Ø 12 mm zinc-plated steel <i>Options</i> : stainless steel AISI 304L - 1.4307 or AISI 316L - 1.4404	
Seals		N/A	Stainless steel lateral seals EPDM seal on blades <i>Option</i> : silicone seals for T°C resistance up to 200°C
Linkage		Opposed blade operation in zinc-plated steel <i>Option</i> : stainless steel AISI 304 L or 316 L	
Control		Manual : smooth shaft Ø16 - lever and clocking device Suitable for actuator : smooth shaft Ø16 - length 130 mm Special adaptation according to the actuator	
Dimensions		Width W from 150 to 2 000 mm with a 50 mm pitch Height H from 150 to 2 000 mm with a 50 mm pitch Circular adaptation from Ø100 to Ø1250 mm	

BALANCING AND SHUT OFF DAMPER

GLO 150 - GLS 150

WEIGHT (Kg)

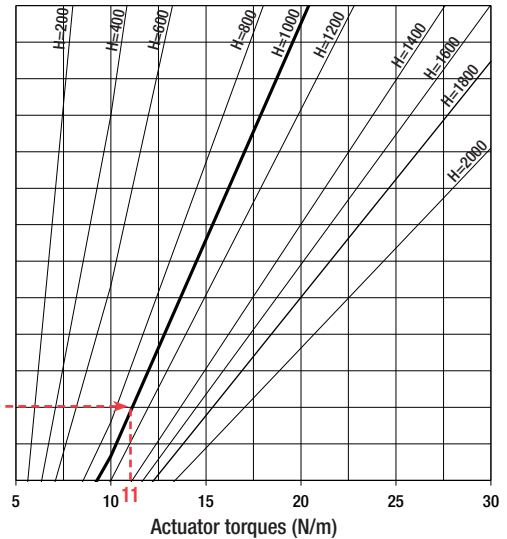
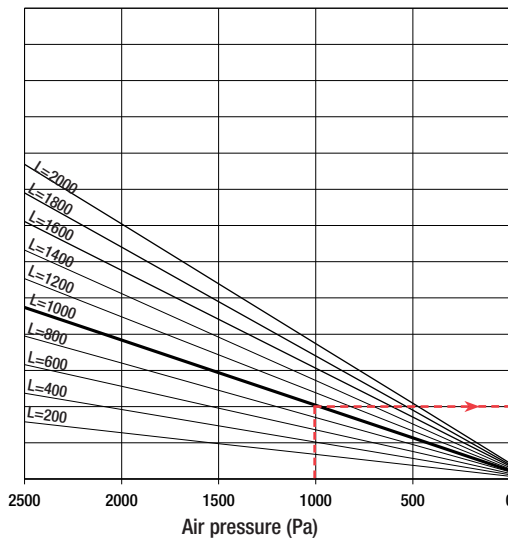
H \ L	200	400	600	800	1000	1200	1400	1600	1800	2000
200	9	11	12	14	16	21	23	25	27	29
400	11	14	16	18	21	28	30	33	35	37
600	16	19	23	26	29	40	43	46	50	53
800	20	23	27	31	34	48	52	55	59	62
1000	23	27	31	35	39	55	59	63	67	72
1200	27	32	37	42	47	67	72	77	82	87
1400	31	36	41	47	52	75	80	85	91	96
1600	34	40	45	51	57	82	88	94	100	105
1800	38	45	52	58	65	94	100	107	114	121
2000	41	49	56	63	70	101	109	116	123	130

MOTOR TORQUE (Nm)

In order to determine the motor torque, consider the maximum accidental pressure. The design must include a safety coefficient.

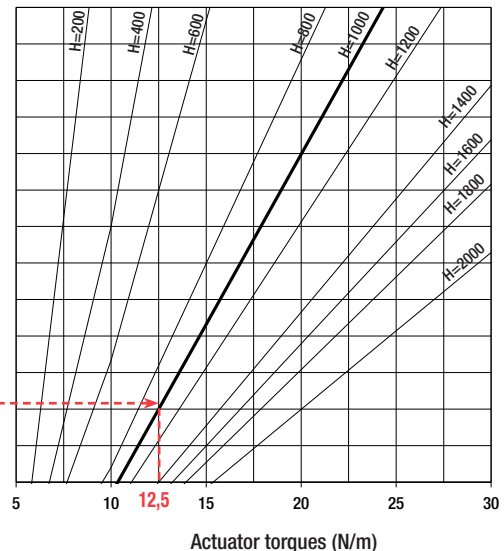
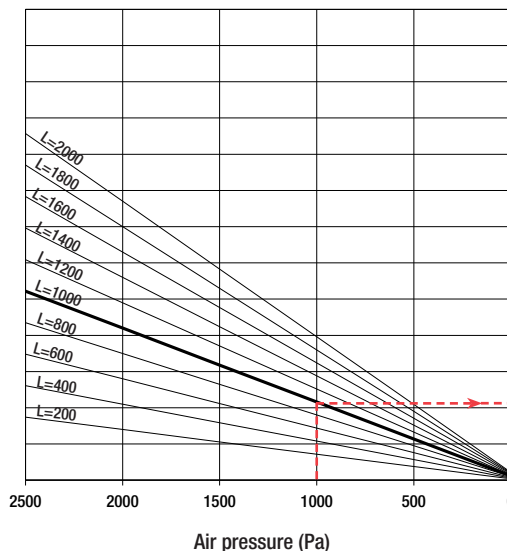
GLO 150 damper

Ex :
 $\Delta P = 1000\text{Pa}$
 Damper :
 L 1000 x H=1000
 $\Rightarrow C_m = 11\text{ Nm}$



GLS 150 damper

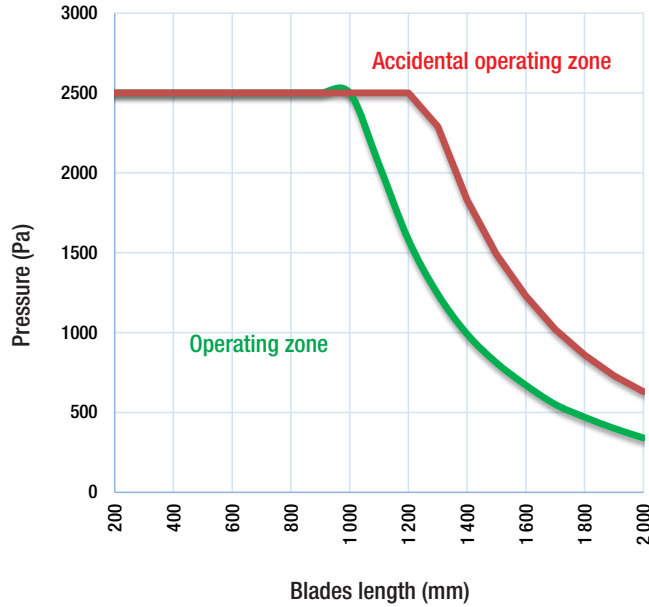
Ex :
 $\Delta P = 1000\text{Pa}$
 Damper :
 L 1000 x H=1000
 $\Rightarrow C_m = 12,5\text{ Nm}$



BALANCING AND SHUT OFF DAMPER

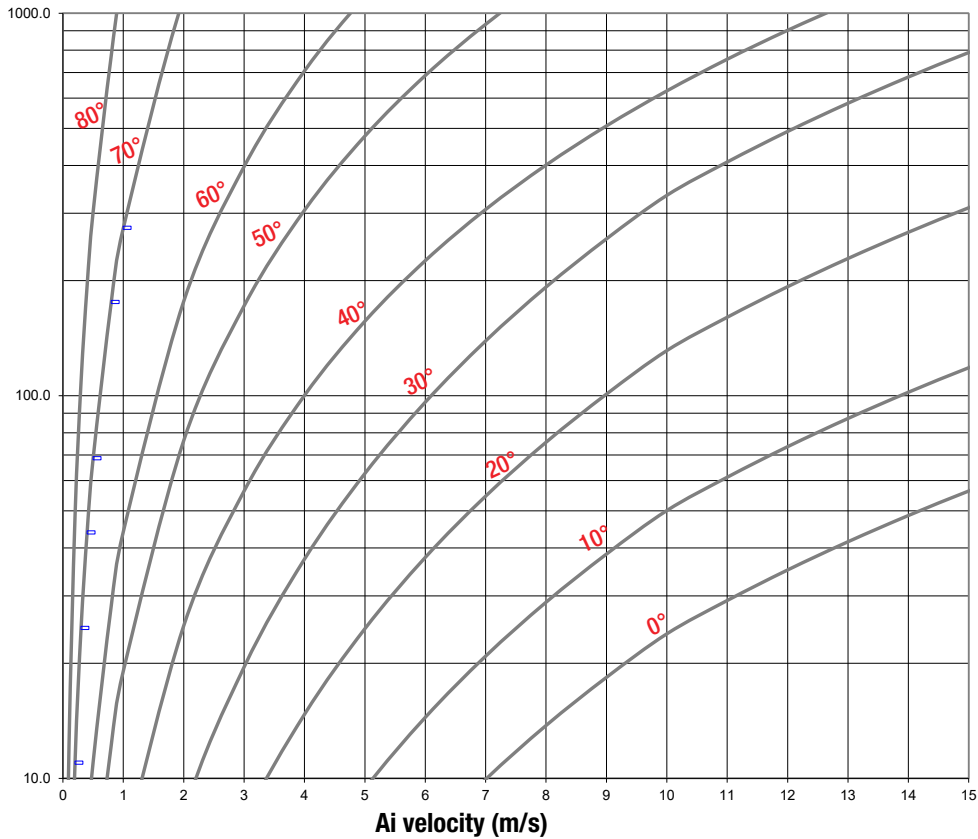
GLO 150 - GLS 150

MECHANICAL RESISTANCE



PRESSURE LOSS

Pressure loss (Pa) according to air velocity (m/s) and blades opening angle (°). Damper ducted upstream and downstream. 0° = damper fully open

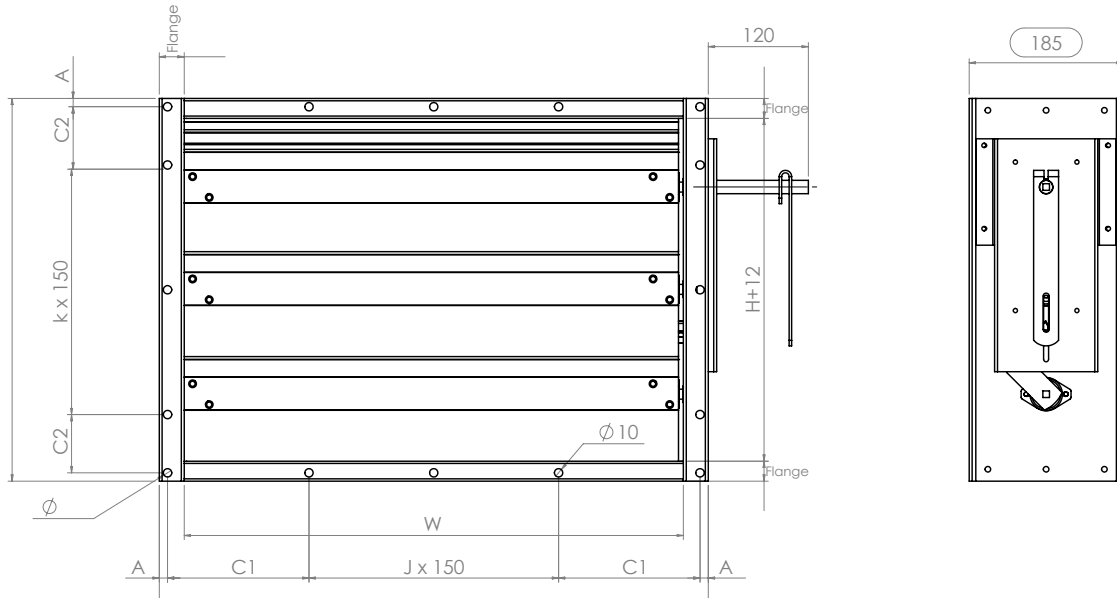


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BALANCING AND SHUT OFF DAMPER

GLO 150 - GLS 150

ISO 15138 FLANGE AND DRILLING



ISO 15138	Flange width	A	C1 / C2	Ø
W or H ≤ 350	40 mm	10 mm	75 < Cx ≤ 150	10
W or H > 350 ≤ 1000	50 mm	20 mm	75 < Cx ≤ 150	12
W or H > 1000	80 mm	40 mm	75 < Cx ≤ 150	14