

DESCRIPTION

The BLD dampers are used in offshore and marine applications to prevent backflow through ventilation ductwork system. The BLD dampers do not need an actuator or motor. Non-return dampers can be installed in rectangular or circular ducts, horizontally or vertically. If required, they can easily be set by adjusting the weight of each damper/installation. When the blades are in the open position, the device does not cause significant pressure loss, noise or flow disturbance. The damper has ATAX approved. Closed damper fulfills the leakage requirement of NORSK. Leakage class of closed damper accords to EN1751 class 2. Blades contain silicone seal to lower the leakage through blades. Maximum duct pressure for damper construction is 5000Pa and maximum air velocity 15m/s.

The BLD non-return dampers meet international standards for both rectangular (width B 200-1200mm and height H 200-1400mm, 1mm division) and circular ducts (\varnothing 100-1250mm). Non-standard dimensions are available on request. Standard flange width is 27mm. Flanges and drilling are also available according to ISO 15138 standards. Standard frame material thickness is 3mm. Blades are made of two sheets, each being 0.8mm thick.

TECHNICAL SPECIFICATION & DIMENSIONS

- material frame: carbon steel (painted or galvanized) or stainless steel
- material blades: stainless steel or galvanized
- material maintenance-free bearings: stainless steel (bronze bearings optional)
- material shafts: stainless steel

Weights [kg] of standard BLD dampers

H [mm]	B [mm]										
	200	300	400	500	600	700	800	900	1000	1100	1200
200	8	10	12	14	16	17	16	20	22	24	25
300	11	13	15	17	19	20	22	24	26	28	29
400	13	15	17	19	21	23	24	27	29	30	32
500	15	18	20	22	24	26	28	30	32	34	36
600	17	20	22	24	26	29	31	33	35	37	40
700	20	22	25	27	30	32	34	37	39	41	44
800	22	24	27	29	32	34	37	40	42	44	47
900	24	27	30	32	35	38	41	43	46	48	51
1000	26	26	32	35	38	40	43	46	49	51	54
1100	29	32	35	38	41	44	47	50	53	55	58
1200	31	34	37	40	43	46	49	52	56	58	62
1300	33	37	40	43	46	50	53	56	59	62	66
1400	35	39	42	45	49	52	56	59	62	65	69

Note: weights do not include counter weights.

