NON-RETURN DAMPER

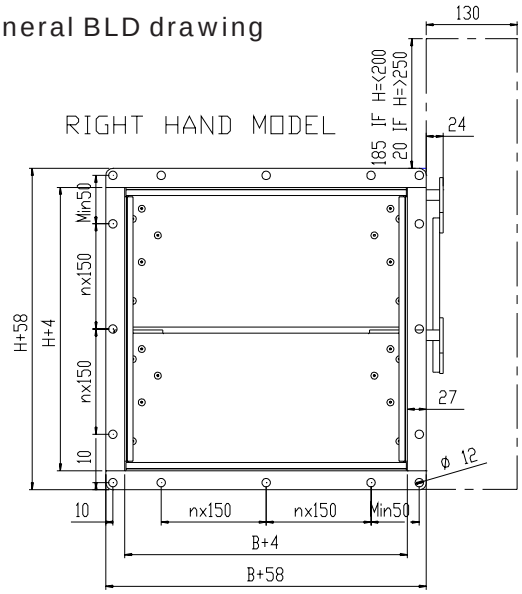
Halton BLD for offshore applications

Halton BLD non-return 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. Weights for BLD dampers are available as an option. When the blades are in the open position, the device does not cause significant pressure loss, noise or flow disturbance (with weights). Non-return dampers of non-standard dimensions can be supplied on request.

Features

- Fixed frame in painted, galvanized or stainless steel. Blades of galvanized or stainless steel. Maintenance-free stainless steel bearings and shafts. Bronze bearings available as an option
- Models for horizontal or vertical installation
- Blades contain silicone seal to lower the leakage through blades
- Blades linked and open in parallel
- Adjustable by changing the position of counterweights. Counterweights supplied on request
- Standard construction places weights on the right hand side, weights on the left hand side available as an option
- Maximum duct pressure 2000 Pa, maximum air velocity 20 m/s.

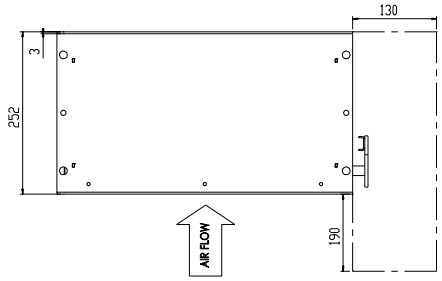
General BLD drawing



BLD dimensions and material thickness

BLD non-return dampers meet international standards for both rectangular (width B 200-1200 height H 200-1400 mm, 50 mm division) and circular ducts (Ø100 - 1250 mm). Special non-standard dimensions are available on request. Modular construction sizes up to 2400x2800 mm are available. Standard thickness of frame material is 3 mm. Blades are made of two sheets, each being 0.8 mm thick.

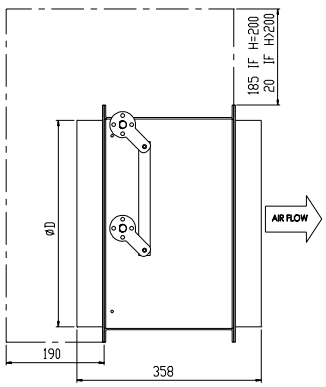
General BLD drawing, top



Weights, BLD without counterweights (kg)

	B / Width (mm)										
H / Height	200	300	400	500	600	700	800	900	1000	1100	1200
(mm)											
200	8	10	12	14	16	17	19	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	29	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

General BLD drawing, circular connections



Halton Marine