

DESCRIPTION

The BRD pressure-relief dampers are used in offshore and marine applications to prevent backflow through ventilation ductwork system. The pressure relief dampers do not need an actuator or motor. It can be installed in rectangular or circular ducts horizontally or vertically. Opening pressure can easily be set by adjusting weight of each damper/installation. Pressure relief dampers can be supplied with non-standard dimensions on request. Blades contain silicone seal to lower the leakage through them. Dampers got ATEX approved. Closed damper fulfills the leakage requirement of NORSK. Leakage class of closed damper accords to EN1751 class 2. Opening pressure is adjusted by changing the position of counterweight(s), which are included. Standard construction places weights on the right hand side. Opening pressure range is between 30Pa and 150Pa. Maximum duct pressure for damper construction is 5000Pa and maximum air velocity 15m/s. The BRD pressure relief dampers meet international standards for both rectangular (width B 200-1200mm and height H 200-1400mm, 1mm division) and circular ducts (Ø100-1250mm). 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 sheets, each 0.8mm thick.

TECHNICAL SPECIFICATION & DIMENSIONS

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

Weights [kg] of standard BRD dampers

H [mm]	B [mm]										
	200	300	400	500	600	700	800	900	1000	1100	1200
200	12	12	14	16	19	20	22	24	26	28	29
300	13	15	18	20	21	24	26	29	31	34	35
400	15	18	20	23	25	28	30	33	36	37	40
500	17	21	24	27	29	32	35	37	40	43	45
600	20	24	26	29	32	36	39	42	45	47	51
700	23	26	30	33	37	40	43	47	50	53	57
800	24	27	33	36	40	43	47	51	54	58	62
900	28	32	36	39	44	48	52	56	60	63	67
1000	30	34	39	43	48	51	55	60	64	68	72
1100	33	38	42	47	51	56	60	65	70	72	78
1200	35	40	45	50	54	59	64	69	74	78	84
1300	38	44	48	53	58	64	69	74	79	83	89
1400	40	46	51	56	62	67	73	78	83	88	94

Circular connection

D2 ØD [mm]	Weight [kg]
200	15
250	17
315	21
400	26
500	36

D2 ØD [mm]	Weight [kg]
630	45
800	63
1000	87
1250	116

