

COUNTERBALANCED BACKDRAFT DAMPER HIGH PERFORMANCE • HEAVY DUTY STEEL FRAME • EXTRUDED ALUMINUM BLADES **MODEL: 1390CB**

AIRFLOW

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EXTERNAL

COUNTER-

Model 1390CB is a counterbalanced backdraft damper designed for pressure relief to automatically assist in maintaining and limiting desired pressures in medium to heavy duty commercial and light duty industrial HVAC or process air systems. The unique extruded aluminum blade design and fully adjustable counterbalance assembly offer pressure relief at extremely low pressure differentials. The rugged steel mitered corner frame is reinforced to resist racking, and ball bearings provide extreme sensitivity and ultra-smooth operation. Neoprene blade seals provide quiet closure as well as extra weather protection.



Nailor Industries Inc. reserves the right to change any information concerning product or pricing without notice.



COUNTERBALANCED BACKDRAFT DAMPER HIGH PERFORMANCE • HEAVY DUTY PERFORMANCE DATA MODEL: 1390CB

PERFORMANCE LIMITATIONS AND LEAKAGE DATA:

Damper Width	Maximum Back Pressure	Maximum System Velocity	Operational Data		Leakage*	
			Blades Begin Opening	Blades Fully Open	% of Maximum Flow	CFM per Sq. Ft.
48" (1219)	4.0" w.g.	2500 fpm			1.48	37.0
36" (914)	8.0" w.g.	2500 fpm	.01" w.g.	.06" w.g.	1.68	42.0
24" (610)	12.0" w.g.	2500 fpm	(2.5 Pa)	(14.9 Pa)	2.04	51.0
12" (305)	16.0" w.g.	2500 fpm			3.36	84.0

Pressure and velocity limitations shown are guidelines for design purposes. Although ratings are on the conservative side, contact Nailor for requirements beyond limitations shown.

*Leakage data is based upon a pressure differential of 1 in. w.g., tested in accordance with AMCA Standard 500-D.



PRESSURE DROP: SIZE: 36" x 36" (914 x 914)

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