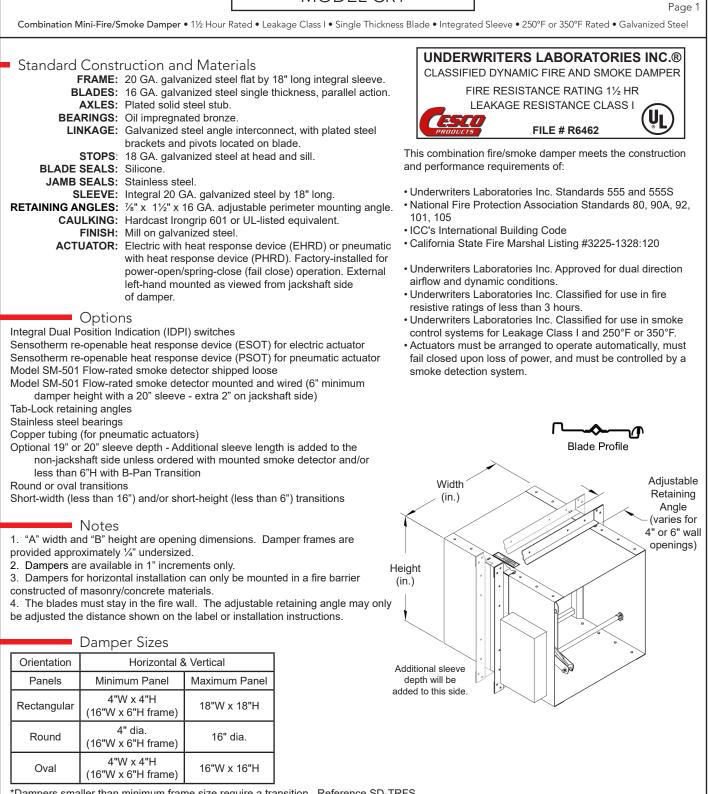
January 2023

MODEL CR1



*Dampers smaller than minimum frame size require a transition. Reference SD-TRFS. Dampers less than 6"H will have a 20" sleeve with the additional sleeve length on the jackshaft side when a B-Pan type transition is ordered.

In the interest of product development, Cesco Products reserves the right to make changes without notice. 450 Riverside Dr • Wyalusing PA, 18853



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MODEL CR1

Page 2

Combination Mini-Fire/Smoke Damper • 11/2 Hour Rated • Leakage Class I • Single Thickness Blade • Integrated Sleeve • 250°F or 350°F Rated • Galvanized Steel

Operational Rating

Maximum Differential Pressure: 4 in. w.g. Maximum Velocity: 2000 fpm

Leakage Rating

UL Class I

8 cfm per sq. ft. maximum @ 4 in. w.g.

Sound Rating

The Noise Criterion data below was tested in accordance with ASTM E477.99 in the center octave band.

Noise Criterion (NC)							
Damper	Velocity fpm (m/s)						
Size	1000 (5.08)	2000 (10.16)	3000 (15.24)	4000 (20.32)			
12"W x 12"H (305mm x 305mm)	22dB	44dB	55dB	62dB			

Pressure Drop Rating

The pressure drop data shown below is based on laboratory conditions. The test setup does not take into account elbows or other duct fittings that are part of every actual duct system. The configuration of the actual duct system immediately upstream and downstream of the damper often contributes more pressure loss than the damper itself.

<u>12"W</u>	<u>x 12"H</u>	<u>24"W x 24"H</u>			
Velocity (FPM)	ΔΡ (in. w.g.)	Velocity (FPM)	ΔP (in. w.g.)		
500	0.01	500	0.01		
1000	0.04	1000	0.04		
1500	0.09	1500	0.08		
2000	0.16	2000	0.15		
2500	0.25	2500	0.23		

This damper tested in accordance with AMCA 500-D, Figure 5.3

Intake air converted to standard air density.



Cesco Products certifies that the model CR1 damper shown here is licensed to bear the AMCA seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program. The AMCA Certified Ratings Seal applies to Air Performance Ratings only.

ltem #	Qty	Damper Size	Horizontal	Vertical	250°F	350°F	Velocity	Pressure		
			Orientation		Temp. Rating		Operational Rating		Union Made	
Arch. / Eng.:				EDR:		ECN:		Job:		
Contractor:										
Project:					Date:		DWN:		DWG:	
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