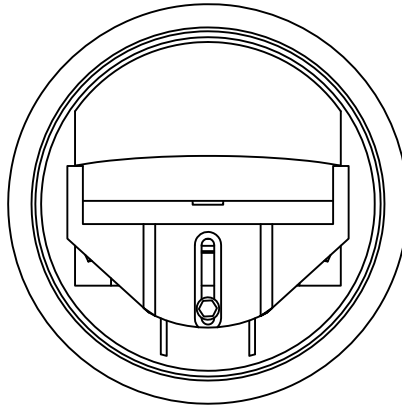
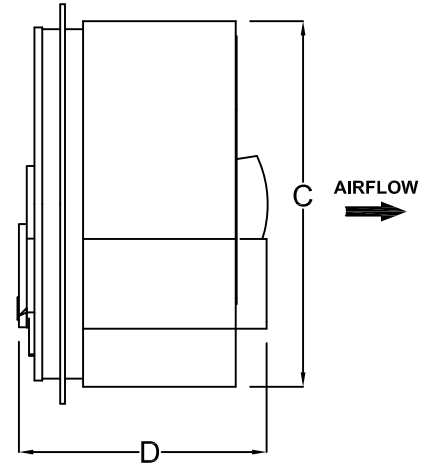


Application and Design:

Precision/Flow™ Model CR is a factory set constant volume control damper for high pressures composed of fire retardant plastics. It contains a self regulating airfoil damper blade and spring piston design to maintain a factory preset air volume flow. These dampers are designed to operate in a pressure range of 0.6" wg to 2.4" w.g. They automatically adjust for variable duct pressures caused by building pressure, thermal stack effect, dust build-up, etc. This damper also creates a very cost effective answer to balancing air systems for HVAC and ventilation in high rise buildings, without the requirement for on-site balancing, electrical / pneumatic controls or sensors. Model CR requires no standard maintenance under normal conditions.



FRONT VIEW



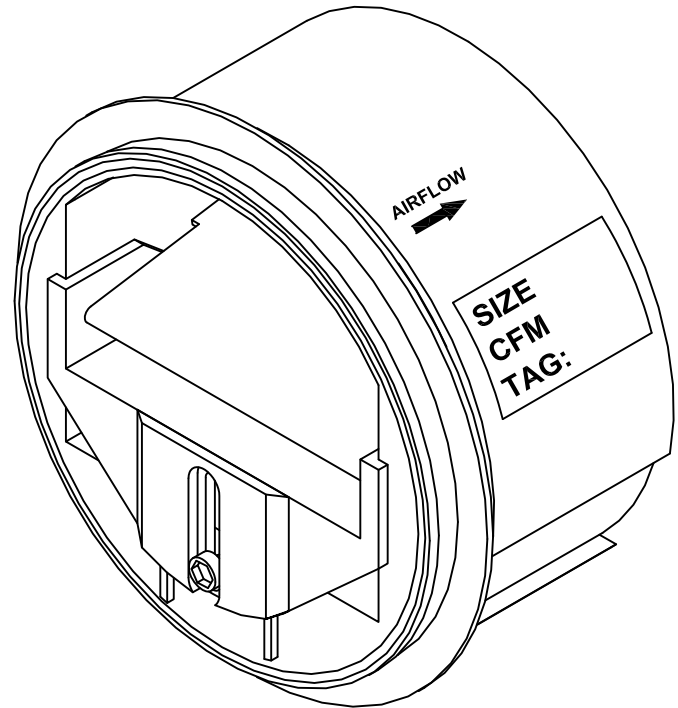
SIDE VIEW

STANDARD CONSTRUCTION:

Regulating Damper: UL94V-0 ABS Plastic
 UL-2043 listing

Damper (nominal)	C	D
4 (101.6)	3.8 (96.5)	2.8 (70)
5 (127)	4.8 (121.9)	3.4 (86)
6 (152.4)	5.8 (147.2)	3.6 (91)
8 (203.2)	7.6 (193)	3.6 (91)
10 (254)	9.7 (246.4)	5.0 (127)

*Sizes in inches (millimeters)



OPTIONAL:

- 24 Ga. Galvanized Shell Enclosure

Range of Operation Static Pressure	
Minimum	0.6" w.c.
Maximum	2.4" w.c.

Job Name: _____
 Location: _____
 Architect: _____
 Engineer: _____
 Contractor: _____

Precision/Flow™ Model CR-HP
 (Supply, Exhaust, or Return)

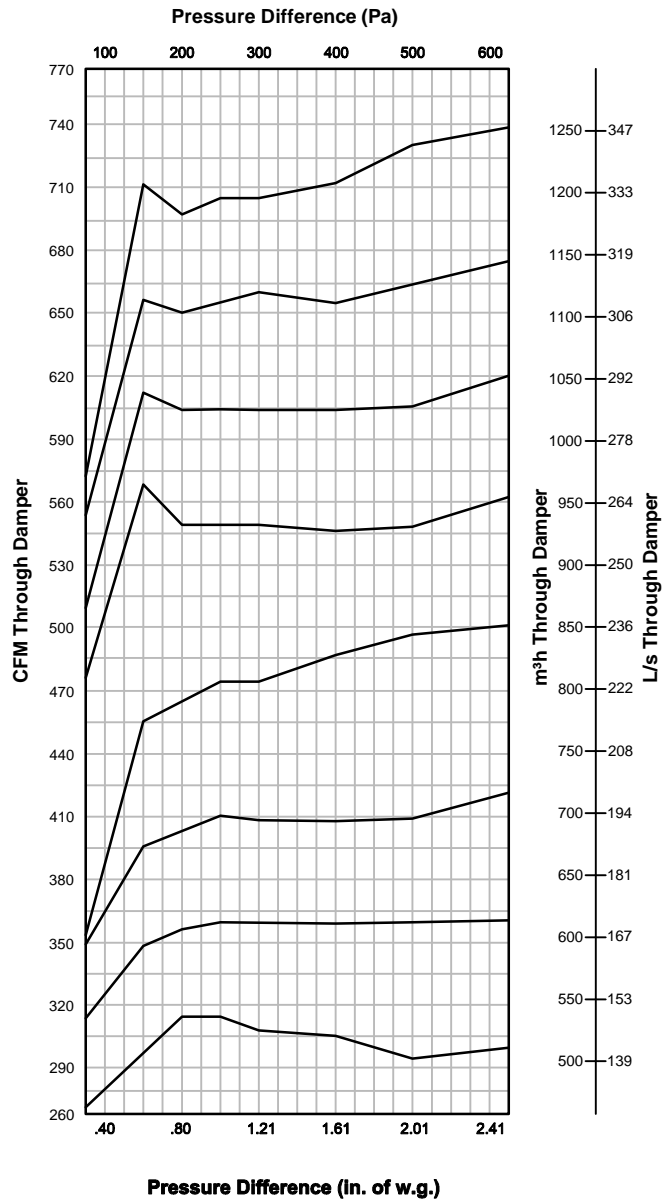
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SYSTEM CR PERFORMANCE DATA

Damper size:
8" [203.2mm] nominal

The charts to the right, show the approximate constant volume airflow through the damper at a given pressure differential. The ideal pressure differential across the damper to provide the desired factory set constant airflow volume is between 0.6" w.g.(150 Pa) and 2.4"w.g. (600 Pa). As shown if the pressure across the damper falls below 0.6" w.g. (150 Pa) then the airflow volume will be reduced. Likewise if the pressure across the damper increases to over 2.4" w.g. (600 Pa), then the airflow volume will be increased. Please note that these dampers are factory set to the specific airflow. They can also be field modified to another desired airflow. The graphs shown are averages and can vary by 5%. The maximum air temperature is 140°F (60° C). The charts shown are at 68°F (20°C) and 1 atmosphere pressure.



Note: Dampers are pre-set at the factory for the specified cfm

Range of Operation Static Pressure	
Minimum	0.6" w.c.
Maximum	2.4" w.c.

DRAWN BY: DD	DATE: 11-17-15	REV. DATE:	REV. NO.	APPROVED BY: CJ
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