



AZ-CAR

CONSTANT AIRFLOW REGULATOR

APPLICATION & DESIGN

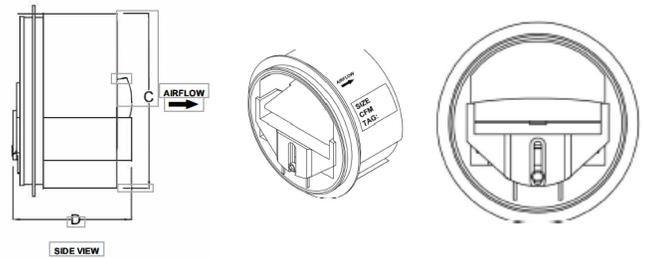
AZ-CAR is factory set Constant Airflow Regulator designed to save significant amount of energy and money by precisely controlling airflow into or out of space, regardless of static pressure, and all along providing high Indoor Air Quality (IAQ). AZ-CAR is composed of fire-resistant ABS plastic. It contains a self regulating aero-wing and spring piston design to maintain a factory preset air flow. These CAR's are designed to operate in pressure range Low Pressure (.08"- .4" w.c.), Standard Pressure (0.2"-1" w.c) and High Pressure (0.6"- 2.4" w.c). They automatically adjust for variable duct pressures caused by building pressure, thermal stack effect, dust build up and other variable factors. This Constant Airflow Regulator creates 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. AZ-CAR may contribute to meeting USGBC LEED Building and Passive House Certification. AZ CAR requires no maintenance under normal conditions.



STANDARD CONSTRUCTION

AZ-CAR: Classified UL R38307 / UL-2043 for heat release rate and smoke optical density.

DAMPER (NOMINAL)	C	D	LOW PRESSURE RANGE OF OPERATION STATIC PRESSURE	
3 (76)	3.0 (76)	2.2 (55)	MINIMUM	.08" w.c.
4 (101.6)	3.8 (96.5)	2.8 (70)	MAXIMUM	0.4" w.c.
			STANDARD PRESSURE RANGE OF OPERATION STATIC PRESSURE	
5 (127)	4.8 (121.9)	3.4 (86)	MINIMUM	0.2" w.c.
6 (152.4)	5.8 (147.2)	3.6 (91)	MAXIMUM	1.0" w.c.
8 (203.2)	7.7 (195)	3.6 (91)		
			HIGH PRESSURE RANGE OF OPERATION STATIC PRESSURE	
10 (254)	9.2 (245)	4.7 (120)	MINIMUM	0.6" w.c.
			MAXIMUM	2.4" w.c.
** SIZE IN INCHES (MILLIMETERS)**				



AZ-CONSTANT AIRFLOR REGULAR CFM RANGE

AVAILABLE IN STANDARD PRESSURE (0.2" w.c. – 1.0" w.c.)						
AZ-CAR	CAR DIAMETER	CAR DIAMETER	CAR DIAMETER	CAR DIAMETER	CAR DIAMETER	CAR DIAMETER
CFM RANGE	3"	4"	5"	6"	8"	10"
CFM RANGE	10-30 CFM	10-30 CFM	10-30 CFM	10-30 CFM	10-30 CFM	10-30 CFM
CFM RANGE		30-60 CFM	30-60 CFM	30-60 CFM	30-60 CFM	30-60 CFM
CFM RANGE			60-105 CFM	60-105 CFM	60-105 CFM	60-105 CFM
CFM RANGE				105-175 CFM	105-175 CFM	105-175 CFM
CFM RANGE	**blue highlighted CFM Range, STOCK				175 – 295 CFM	175 – 295 CFM
CFM RANGE	***yellow highlighted CFM Range, 4-6 week lead					265-470 CFM

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