

Prefco-JohnsonTech Air Control Inc. certifies that the Model C5000 Motorized Damper shown herein 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 only.



Application

The C5000 motorized damper is the high performance damper in air volume control. This damper utilizes a thermally responsive electric switch to allow for the return spring of the specified actuator to close the damper upon elevated temperature. The damper may be installed vertically or horizontally for use in barriers requiring leakage protection. °

Standard Construction

Frame

Wrap around full channel frame – Galvanized Steel

Blades

Galvanized Steel

Seals

Compression type silicone seals

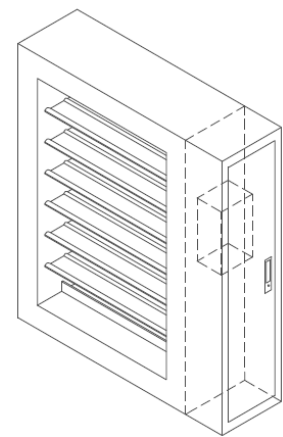
Bearings

Stainless Steel Bearing

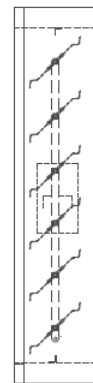
Single Module Size

Width: 12"~36"

Height: 12"~48"






C5000 Motorized Damper



Vertical Installation Diagram

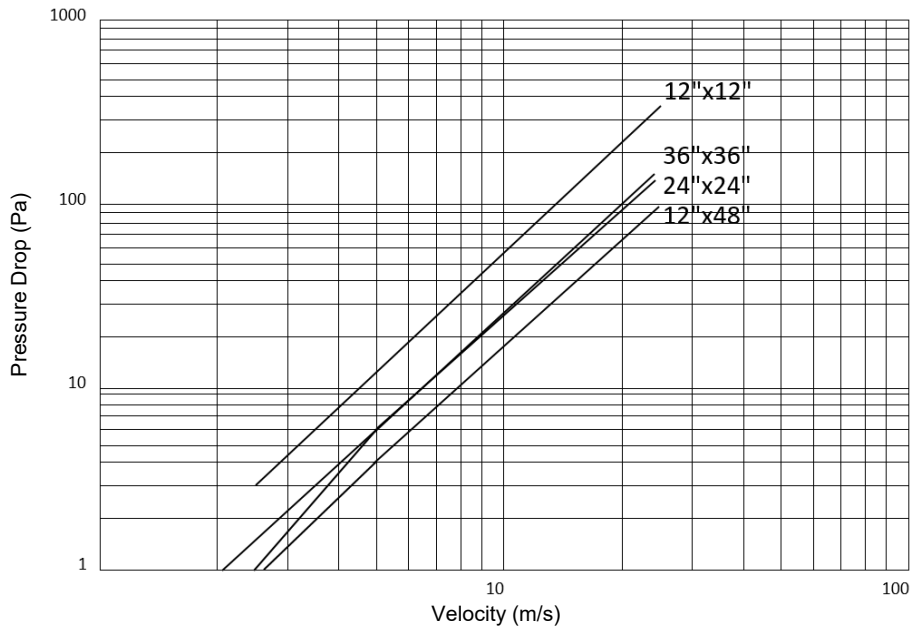
Options & Accessories

-  Dual Blade Position Indicator Switches (Switch#1)
-  Factory Supplied Sleeves – 18 or 14 Gauge, 18" or 24" deep
-  Single or Dual Blade stiffeners - for strength & stability of wider units in high pressure systems

Test Information

Tested in accordance with ANSI/AMCA 500D-Figure 5.3

Air Performance Data



12"x12" Air Performance

Det.No	Velocity (m/s)	ΔP_D (Pa)
1	25.1	367
2	20.1	234
3	10.1	56
4	5.1	14
5	2.5	3

24"x24" Air Performance

Det.No	Velocity (m/s)	ΔP_D (Pa)
1	25.1	141
2	20.1	94
3	10.1	23
4	5.1	6
5	2.5	1

36"x36" Air Performance

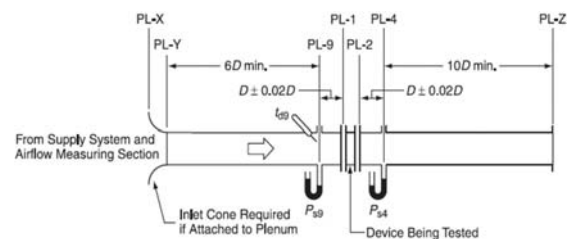
Det.No	Velocity (m/s)	ΔP_D (Pa)
1	24.9	154
2	20	97
3	10.1	24
4	5.1	5
5	2.1	1

12"x48" Air Performance

Det.No	Velocity (m/s)	ΔP_D (Pa)
1	25.1	97
2	20.2	63
3	10.1	16
4	5.1	4
5	2.6	1

Test Method

The high stability and reliability performance of C5000 motorized damper was tested in accordance to AMCA 500-D Fig5.3 method.



File Name: Prefco C5000-MD, Rev July 2022 / Page: 2/2