

OVAL CONTROL DAMPER
Model RI-F-O

APPLICATION AND DESIGN

Model RI-F-O is an oval control damper with a flanged style frame. It is designed to control airflow and provide shut off in HVAC or industrial process control systems. A variety of optional features makes Model RI-F-O extremely versatile, allowing its capabilities to be tailored to the application.

RATINGS

Pressure: up to 6 in w.g.- differential pressure (see chart)
Velocity: up to 2600 fpm
Temperature: 190° F

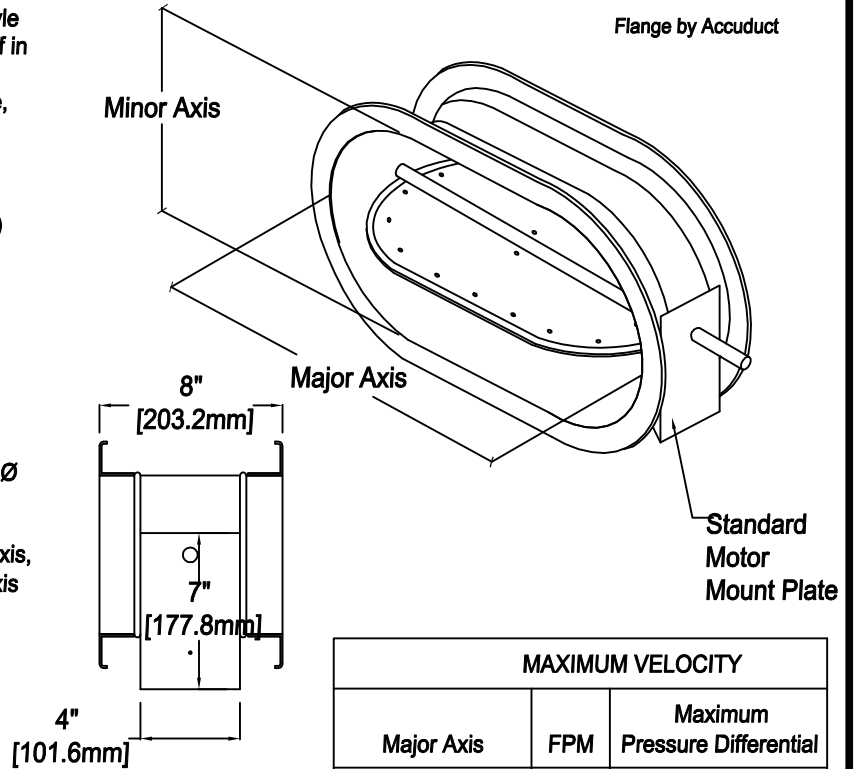
STANDARD CONSTRUCTION

(see table below for specifics)

- Flange width: 1-3/8" [34.925mm]
- Blades: Steel, reinforced as required
- Axles: 1/2" [12.7mm] Ø solid aluminum, 3/4" [19.05mm] Ø steel (sizes above 32" [812.8mm] Major Axis)
- Bearings: Bronze sleeve
- Frame/Blade Gauge: 18 ga thru 58" [1473.2mm] Major Axis, 16ga thru 66" [1676.4mm] Major Axis
- Blade Seals: crosslink closed cell (190°)
- Mounting Plate: 20ga. galvanized steel

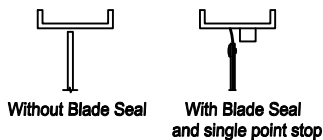
OPTIONS

- Silicone Blade Seal (400°F (204°C))
- Bearings (stainless steel)
- Hand Quadrant
- Stainless Steel Construction
(3/4" [19.05mm] flange for 16" [406.4mm] Major Axis and under, 1-3/8" [34.925mm] flange for above 16")
 - 304 S.S.
 - 304L S.S.
 - 316 S.S.
 - 316L S.S.
- Aluminum Construction
(1" [25.4mm] flange for 16" [406.4mm] Major Axis and under, 1-3/8" [34.925mm] flange for above 16")
- Nylon 6/6 Bushing
(for aluminum construction)
- Powder Coated Epoxy



MAXIMUM VELOCITY		
Major Axis	FPM	Maximum Pressure Differential
4" - 9" [101.6-228.6mm]	2600	6" [152.4mm]
10" - 13" [254-330.2mm]	2400	5" [127mm]
14" - 19" [335.6-482.6mm]	2300	4" [101.6mm]
20" - 25" [508-625mm]	2300	3" [76.2mm]
26" - 31" [660.4-787.4mm]	2200	2.5" [63.5mm]
32" - 39" [812.8-990.6mm]	2000	2" [50.8mm]
40" - 49" [1016-1244.6mm]	1800	2" [50.8mm]
50" - 59" [1270-1498.6mm]	1600	1.5" [38.1mm]
60" - 66" [1524-1676.4mm]	1400	1" [25.4mm]

BLADE/FRAME SECTIONS



Job Name: _____

Location: _____

Architect: _____

Engineer: _____

Contractor: _____

MODEL RI-F-O

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