(ENGINEERS)

SUBMITTAL DATA

CONTROL DAMPER

APPLICATION AND DESIGN:

The Model RI was developed in response to automation controls companies need for a damper with the flexibility to mount various manufacturers actuators and controls.

SHAFT:

1/2" round solid aluminum (thru 30")

3/4" round solid steel (32" thru 46")

BEARING:

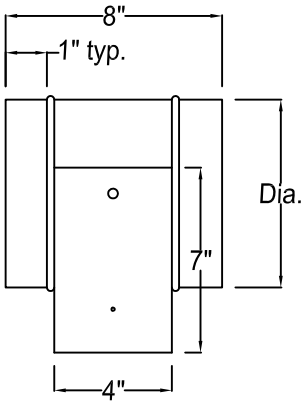
Bronze oilite (175°)

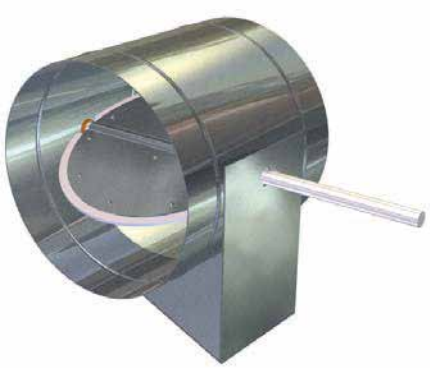
BLADE SEALS:

Crosslinked closed cell (200° F)

MOUNTING PLATE:

20 ga. galvanized steel





MODEL RI

approx. 1/8" o.d. undersized

MAXIMUM VELOCITY		
DIAMETER	FPM	MAX. PRESSURE DIFFERENTIAL
4 - 8"	2600	6"
10 - 12"	2400	5"
14 - 18"	2300	4"
20 - 24"	2300	3"
26 - 30"	2200	2-1/2"
32 - 46"	2000	1-3/4"

OPTIONS:

- ☐ Stainless steel body, blade, shaft and quadrant
- ☐ Silicone Blade Seal (400° F)
- ☐ All aluminum construction w/ steel plated quadrant
- ☐ Nylon 6/6 bushing (for aluminum construction)
- ☐ Extended quadrant 2"
- ☐ Factory furnished and mounted actuator
- ☐ Motor and/or control enclosure
- ☐ Stainless steel bearings (700° F)
- ☐ Silica Seals (800° F)

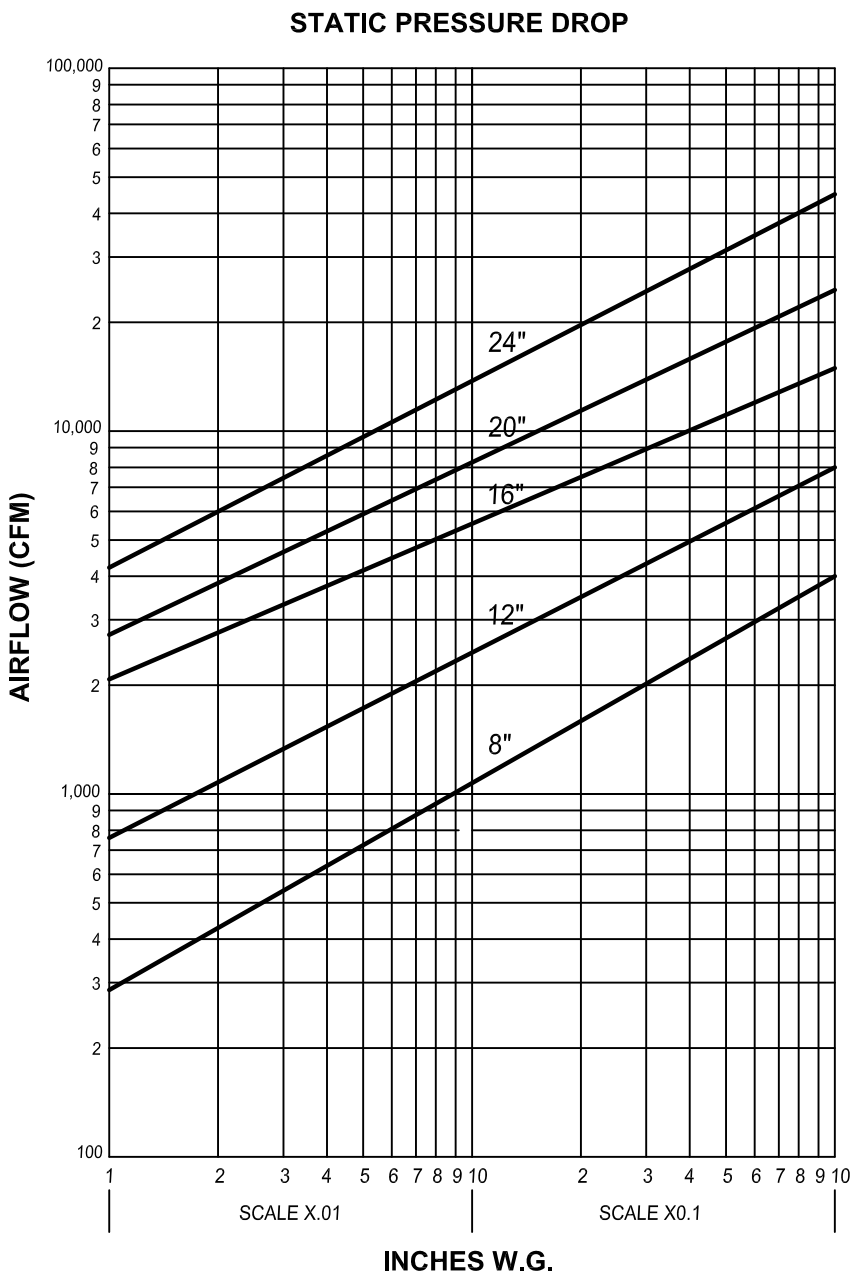
Heavier Gauges:

- ☐ 16 ga
- ☐ 14 ga

DIAMETER	LENGTH	BODY & BLADE
4 - 10"	8"	24 ga.
12 - 18"	8"	20 ga.
20 - 30"	8"	20 ga.
32 - 46"	8"	18 ga.

Job Name:	☐ **MODEL RI**
Location:	
Architect:	
Engineer:	
Contractor:	

ROUND DAMPERS



Determining Static Pressure Drop (Round)

To determine static pressure drop through an open damper, start on the left side of the damper pressure drop chart. Given the CFM of air flow through the damper, follow the CFM line to the diagonal line of the damper size required, then down to the static pressure drop of the unit.

Example:
The pressure drop of an 8" damper with 700 CFM flow is .051 inches w.g.

Job Name:	☐ **Performance Data**
Location:	
Architect:	
Engineer:	
Contractor:	