

**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:**

- 3/8" (9.5mm) square steel axle pins with 1/2" (12.7mm) round extended shaft (thru 16" (406mm))
- 1/2" (12.7mm) round solid aluminum (18"(457mm) thru 30"(762mm))
- 3/4" (19mm) round solid steel (32"(813mm) thru 46"(1168mm))

**BEARING:**

Bronze oilite (175°F (89°C)) 1" (25.4mm) typ.

**BLADE SEALS:**

Crosslinked closed cell (200° F (102°C))

**MOUNTING PLATE:**

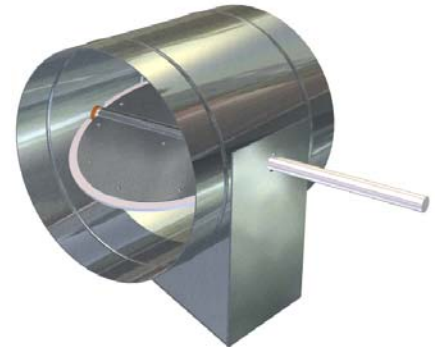
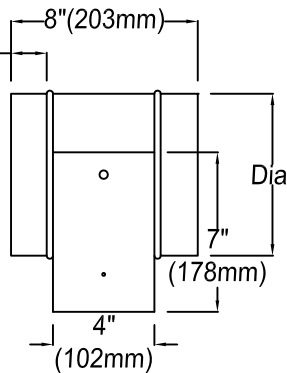
20 ga. galvanized steel

**OPTIONS:**

- Stainless steel body, blade, shaft and quadrant
- Silicone Blade Seal (400° F (204°C))
- All aluminum construction w/ steel plated quadrant
- Nylon 6/6 bushing (for aluminum construction)
- Extended quadrant 2" (50.8mm)
- Factory furnished and mounted actuator
- Motor and/or control enclosure
- Stainless steel bearings (700° F (371°C))

Heavier Gauges:

- 16 ga
- 14 ga



**MODEL RI**

approx. 1/8" (3.1mm) o.d. undersized

LEAKAGE
4.46 CFM per ft <sup>2</sup> @ 6" w.g.

Tested in accordance with AMCA 500-D

MAXIMUM VELOCITY		
DIAMETER	FPM (M/S)	MAX. PRESSURE DIFFERENTIAL Inches w.g. (kpa)
4 - 8" (102 - 203mm)	2600 (13.2)	6" (1.49)
10 - 12" (254 - 305mm)	2400 (12.2)	5" (1.25)
14 - 18" (356 - 457mm)	2300 (11.7)	4" (0.99)
20 - 24" (508 - 610mm)	2300 (11.7)	3" (0.75)
26 - 30" (660 - 762mm)	2200 (11.2)	2-1/2" (0.62)
32 - 46" (813 - 1168mm)	2000 (10.2)	1-3/4" (0.44)

DIAMETER	LENGTH	BODY & BLADE
4 - 10" (102 - 254mm)	8" (203mm)	20 ga.
12 - 18" (305 - 457mm)	8" (203mm)	20 ga.
20 - 30" (508 - 762mm)	8" (203mm)	20 ga.
32 - 46" (813 - 1168mm)	8" (203mm)	18 ga.

Job Name:	<input type="checkbox"/> <b>MODEL RI</b> (see Dwg. B-8 for pressure drop data)	DRAWN BY:	DATE:	REV. DATE:
Location:		CLJ	9-01-99	10-20-14
Architect:		REV. NO.	APPROVED BY:	DWG. NO.:
Engineer:	33	MD	<b>B-7</b>	
Contractor:				