

AC-21R and AC-22R control dampers employ a sturdy round frame and triple V blades for automatic air control and manual balancing in low to medium pressure and velocity applications.

Standard Construction

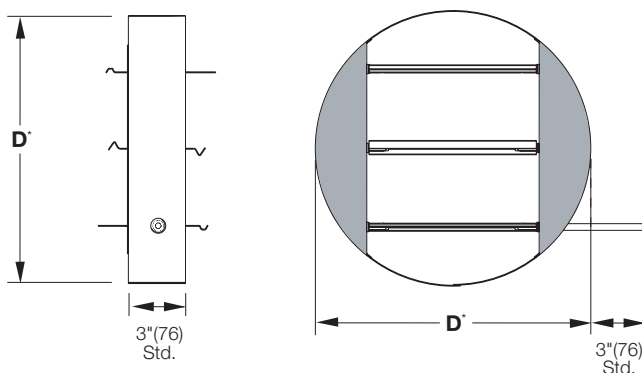
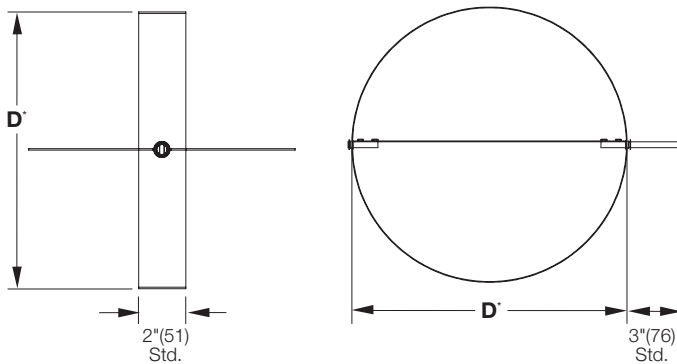
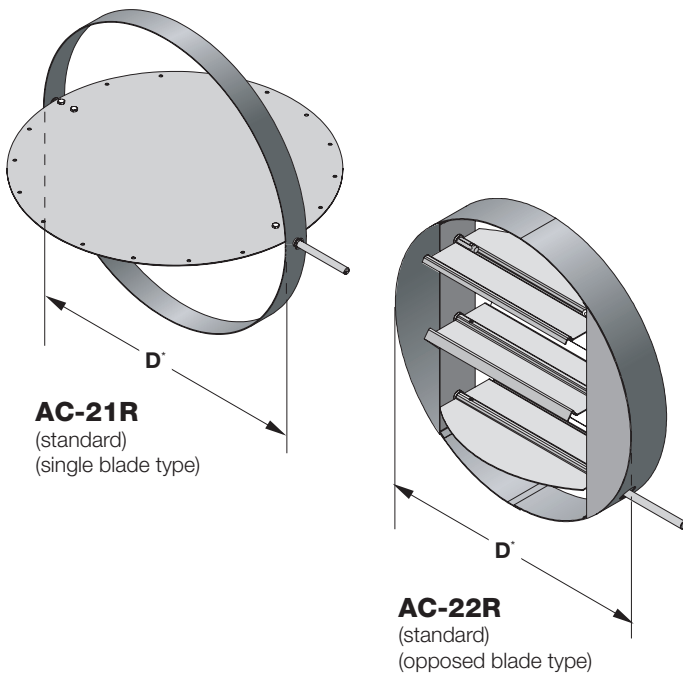
- Frame:** 2" x 16 ga. (51 x 1.6) Model CD-21R; 3" x 16 ga. (76 x 1.6) [12 ga. (2.8) for D > 24" (610)] Model CD-22R; galvanized steel
- Blades:** Model CD-21R (single blade): 14 ga. (2.0) equivalent galvanized steel-round
Model CD-22R (opposed blade): 16 ga. (1.5) galvanized steel-triple V
- Axles:** 1/2" (13) diameter plated steel
- Linkage:** Concealed in frame
- Bearings:** Synthetic
- Control Shaft:** 1/2" x 3" (13 x 76) drive axle
- Minimum Size:** Model CD-21R (single blade): 5" Ø (127 Ø)
Model CD-22R (opposed blade): 12" Ø (305 Ø)
- Maximum Size:** Model CD-21R (single blade): 24" Ø (610 Ø)
Model CD-22R (opposed blade): 36" Ø (914 Ø)

Options

- **Factory installed external mount actuator:** (requires sleeve option)
- **Manual locking quadrant** (supplied loose, sleeve not required)
- **24 VAC** ■ **120 VAC** ■ **230 VAC**
- **Pneumatic** ■ **Modulating**
- **Factory installed sleeve:** ■ 12" x 20 ga. (305 x 1.0) Std.
- **Gauge:** ■ 20 (1.0) ■ 16 (1.6)
- **Length:** ■ 6" (152) ■ 8" (203) ■ 10" (254) ■ **Other**___
- **Actuator Mounting Bracket** (sleeve required)
- **Actuator/Quadrant standoff bracket** - accommodates up to 1" (25) thick insulated duct
- **Low leakage seals**
- **Stainless steel oilite bearings**
- **Type-304 stainless steel construction**
- **Type-304 stainless linkage - model CD-22R only**

Ratings

- Maximum System Velocity:** 1,500 fpm (7.7 m/s)
- Maximum System Pressure:** 1.0 in. wg. (0.25 kPa) for Model CD-21R; 2.5 in. wg. (0.62 kPa) for Model CD-22R
- Temperature:** -25°F to 180°F (-32°C to 83°C)



*Damper dimensions furnished approximately 1/4" (6) undersize