

C&S Air Products

MX-30, MX-32, MX-40

Mixing Damper
Triple-V Blade

The MX-30, MX-32 and MX-40 mixing dampers employ triple-V blades and a rugged channel frame for automatic air control and manual balancing in low to medium dual or multi-duct applications.

Ratings

Damper Width	Maximum System Pressure	Maximum System Velocity
12" (305)	5.0 in. wg. (1.2 kPa)	3,000 fpm (15.2 m/s)
24" (610)	4.0 in. wg. (1.0 kPa)	3,000 fpm (10.2 m/s)
36" (914)	3.0 in. wg. (0.8 kPa)	2,500 fpm (12.7 m/s)
48" (1219)	2.5 in. wg. (0.6 kPa)	2,000 fpm (10.2 m/s)

Leakage: 8.0 cfm/ft² @ 4 in. wg. (0.04m³/s/ m² @ 1.00 kPa)
4.0 cfm/ft² @ 1 in. wg. (0.02m³/s/ m² @ 0.25 kPa)

Temperature: -25°F to 180°F (-32°C to 83°C)

Standard Construction

Frame: 8" x 3/4" x 16" ga. (203 x 19 x 1.5) galvanized steel channel

Blades: 6" x 16 gauge (152 x 1.5) galvanized steel — triple-V

Axles: 1/2" (13) diameter plated steel hex

Linkage: Concealed in frame

Bearings: Synthetic

Seals: PVC blade edge seals and flexible metal jamb seals

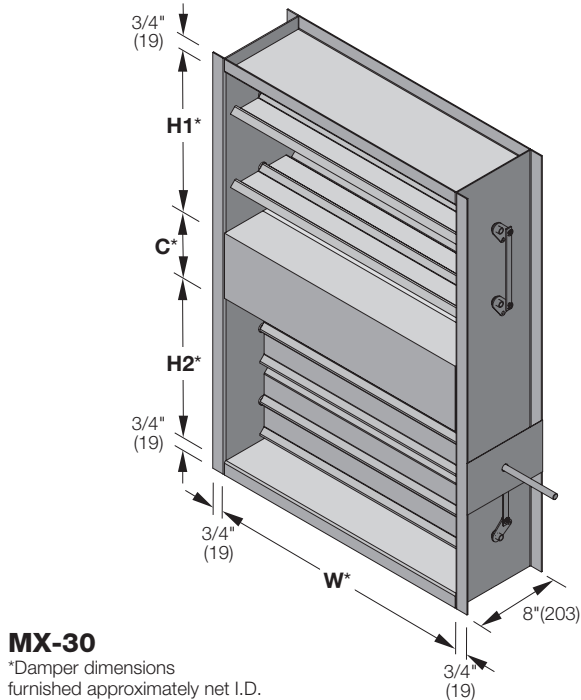
Control Shaft: 1/2" x 5" (13 x 127) round drive axle with shaft support bracket

Minimum Size: Model MX-30 and MX-32: 6" x 4" (152 x 102)
Model MX-40: 5" x 6" (127 x 152)

Maximum Size: Single Section:

Model MX-30 and MX-32: 36" x 24" (914 x 610)
Model MX-40: 24" x 36" (610 x 914)

Multiple sections: Model MX-40 only: Unlimited



MX-30

*Damper dimensions furnished approximately net I.D.

Options

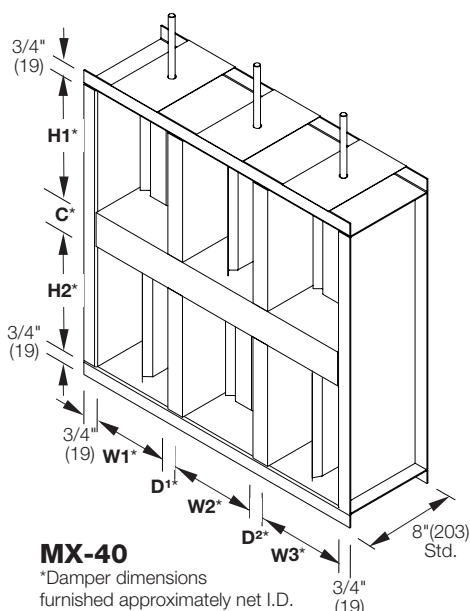
■ Flanged frame:

- Manual locking quadrant (supplied loose)
- 24 VAC ■ 120 VAC ■ 230 VAC
- Pneumatic ■ Modulating

■ **Actuator/Quadrant standoff bracket** — accommodates up to 3" (76) thick insulated duct

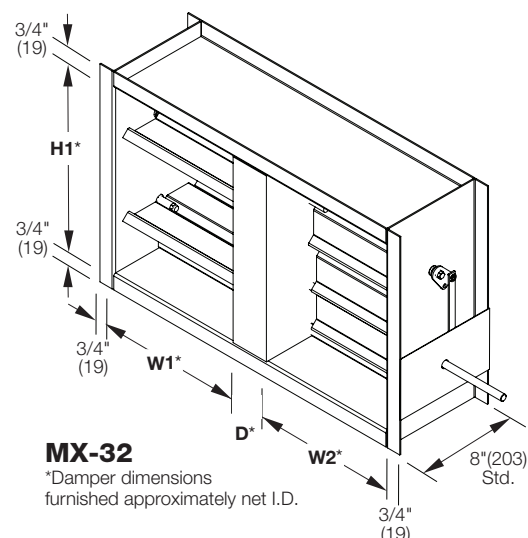
■ **Stainless steel oilite sleeve-type bearings**

■ **Type-304 stainless steel construction**



MX-40

*Damper dimensions furnished approximately net I.D.



MX-32

*Damper dimensions furnished approximately net I.D.

NOTE: Dimensions in parentheses () are millimeters.
Information is subject to change without notice or obligation.