

DAR SERIES 3-WIRE ROUND MOTORIZED CONTROL DAMPERS

Robertshaw DAR Series Round Control Dampers are designed to be used in zone control system applications and for the control of air flow in any duct system. Dampers are designed to work with pressure systems up to 1.2" W.C. All DAR damper shells are constructed of rolled 26 gauge galvanized steel with stiffening ribs to maintain rigidity. A single 18 gauge offset blade is attached to a .375" one-piece steel shaft which is attached to nylon bearings for smooth operation. DAR 3-wire dampers are powered by a double stacked stall type motor providing 180 inch ounces of torque. Motor mounts are welded to the damper shell. Minimum blade adjustment is provided by an external locking mechanism.

FEATURES

- Sizes from 5" to 20" diameters.
- Heavy duty reinforced galvanized steel shell.
- Motor mount welded to shell.
- 18 gauge offset blade.
- Nylon bearings for smooth operation.
- Adjustable minimum position.
- 3-wire stacked stall type 24 VAC motor.
- Direct coupled actuator.
- Power consumption is 4 watts at 24 VAC.
- Blade rotation is 90 degrees in 50 seconds.

DBP SERIES 3-WIRE HEAVY DUTY ROUND MOTORIZED CONTROL DAMPERS

The Robertshaw DBP Series Round Control Dampers are designed to be used in zone control system applications as either two position control dampers or in conjunction with the Robertshaw Model EPC-602 for bypass modulation. The dampers are constructed of 20 gauge galvanized steel with rolled stiffening beads to provide superior rigidity. Damper shells are provided with one straight end and one crimped end with side-mounted actuator. The damper blade is an elliptical design fabricated from 18 gauge galvanized steel, equipped with a high quality edge seal for positive close-off and mounted to a solid 0.05" diameter steel shaft with brass bearings to support the damper blade. No lubrication is necessary. Motor is a Kreuter MEP-5021 with direct magnetic coupled actuator with minimum and maximum end stops to limit blade rotation. A special gear disengagement feature allows positioning of the damper and/or gear train without energizing the actuator.

FEATURES

- Sizes from 8" to 20" diameters.
- Heavy duty reinforced galvanized steel shell.
- Designed for static pressures up to 1.2" W.C.
- High quality edge seals for close-off.
- Nominal fitting for easy installation.
- Blade rotation is 60 degrees.
- Magnetic clutch provides 50 to 75 inch pounds of torque.
- Power consumption is 2 VA at 24 VAC.

ORDERING DATA

| UNI-LINE ORDER NO. | DESCRIPTION |
|--------------------|--------------------|
| DAR-05E3 | 3-WIRE - 5" DIAM. |
| DAR-06E3 | 3-WIRE - 6" DIAM. |
| DAR-07E3 | 3-WIRE - 7" DIAM. |
| DAR-08E3 | 3-WIRE - 8" DIAM. |
| DAR-10E3 | 3-WIRE - 10" DIAM. |
| DAR-12E3 | 3-WIRE - 12" DIAM. |
| DAR-14E3 | 3-WIRE - 14" DIAM. |
| DAR-16E3 | 3-WIRE - 16" DIAM. |
| DAR-18E3 | 3-WIRE - 18" DIAM. |
| DAR-20E3 | 3-WIRE - 20" DIAM. |

ORDERING DATA

| UNI-LINE ORDER NO. | DESCRIPTION |
|--------------------|-----------------------|
| DBP-08 | 3-WIRE HD - 8" DIAM. |
| DBP-10 | 3-WIRE HD - 10" DIAM. |
| DBP-12 | 3-WIRE HD - 12" DIAM. |
| DBP-14 | 3-WIRE HD - 14" DIAM. |
| DBP-16 | 3-WIRE HD - 16" DIAM. |
| DBP-18 | 3-WIRE HD - 18" DIAM. |
| DBP-20 | 3-WIRE HD - 20" DIAM. |