

Low Leakage Control Dampers

Model: OBD/PBD(L.L.)

STANDARD CONSTRUCTION

Frame: Roll-formed galvanized steel hat section with staked corners with integral bracing

Blades: 16ga. Roll-formed 3V galvanized steel. 5.25" wide standard

Bearings: Bronze oilite, press-fit into frame

Axles: 3/8" square plated steel

Seals: Extruded vinyl for 50°F-250°F

Linkage: Concealed in frame. Linkage bars are .125" thick plated steel

Finish: Mill Finish

Extended Drive Pin: Removable 1/2" round diameter, plated steel

Maximum Temperature: 250° F.

Sizes:

Minimum size: 8"(w) x 8"(h)

Maximum size:

Single Section: 48"(w) x 48"(h)

Multiple Section: Size Unlimited

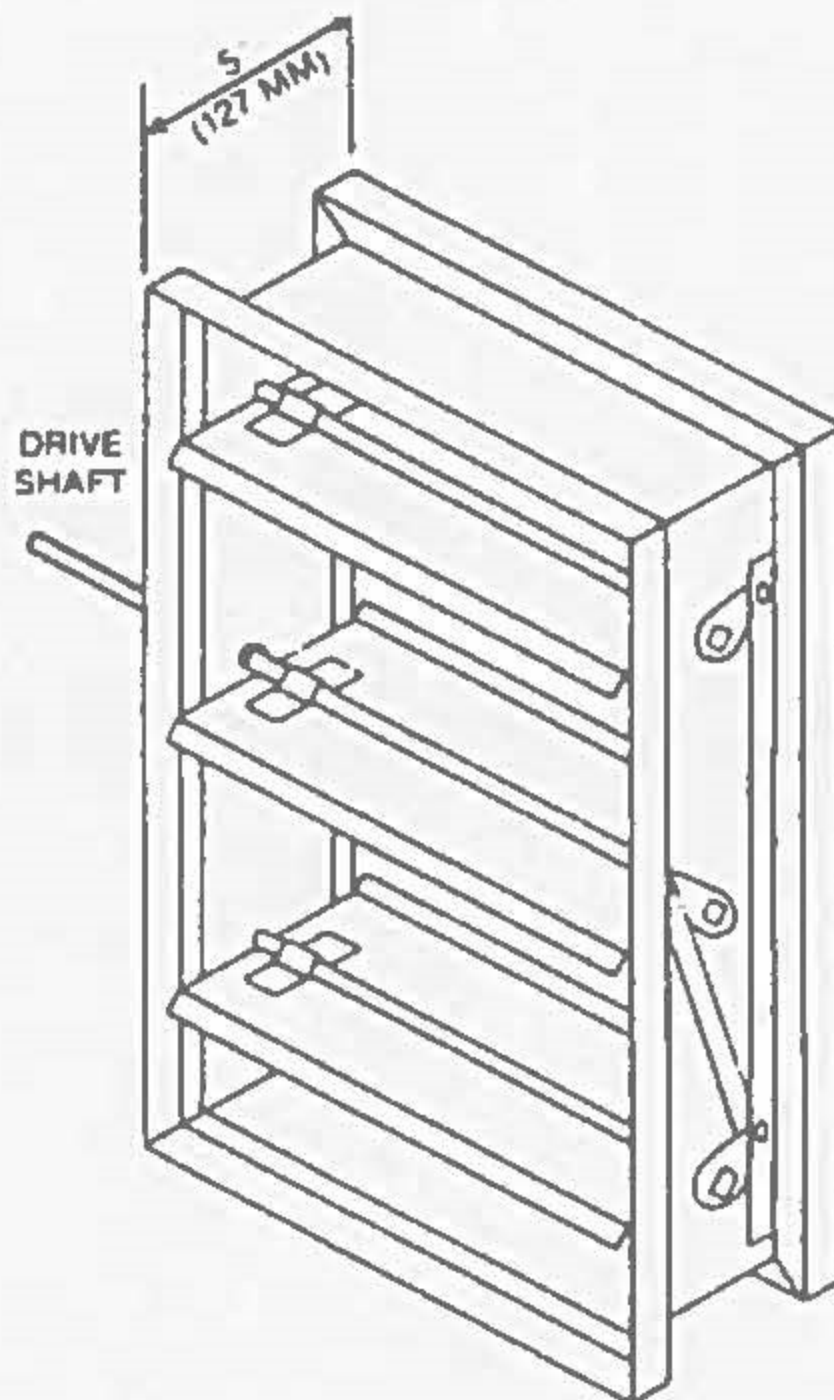
- Dampers are supplied with jack-shafting(contact factory for specifics on sizes)

Note: Dampers are furnished approximately .25" (6mm) smaller than given duct dimensions. Not recommended with blades running vertically.

Note: Actuators for control dampers to be supplied by Controls' Contractor

Options:

- Quadrant (Volume Damper)
- Extended 9" Shaft
- Aluminum Construction
- Stainless Steel



- The OBD/PBD series Control Dampers have been designed and tested to provide an extremely tight sealing damper which is cost effective for the majority of HVAC applications. They are generally recommended for the face velocities up to 1,500 fpm and static pressure to 2.5" w.g. (Note :For systems in excess of 2.5" w.g. contact the factory.)
- The OBD/PBD(L.L.) series dampers have inflatable (pressure-sensitive) jamb and blade edge seals to provide the ultimate in sealing characteristics without unduly increasing torque requirements.
- The OBD/PBD damper's rigid frame and integrally braced corners provide true damper alignment that greatly resists being installed out of square or out of flat. This ensures on-site performance equal to test results.
- The OBD/PBD dampers have been tested to AMCA standard 500 with the following results:

LEAKAGE	<u>1.0"w.g</u>	<u>2.5"w.g.</u>	<u>4.0"w.g</u>
Cfm/Sq.Ft.	3.5	5.0	7.0

- OBD/PBD is available in either parallel blade or opposed blade models.
- OBD/PBD is available as a face and bypass mixing damper
- Dampers less than 8" (203mm) in height are furnished with low-profile flat top and bottom to maximize free area.

SUGGESTED SPECIFICATION

Low Leakage Control dampers shall be Model: OBD/PBD (L.L.)

Both blade and jamb seals

shall be of the inflatable, pressure sensitive type for low leakage. Dampers shall be rated to leakage to AMCA 500.

Leakage shall not exceed 5 cfm/sq.ft. and 2.5" S.P.