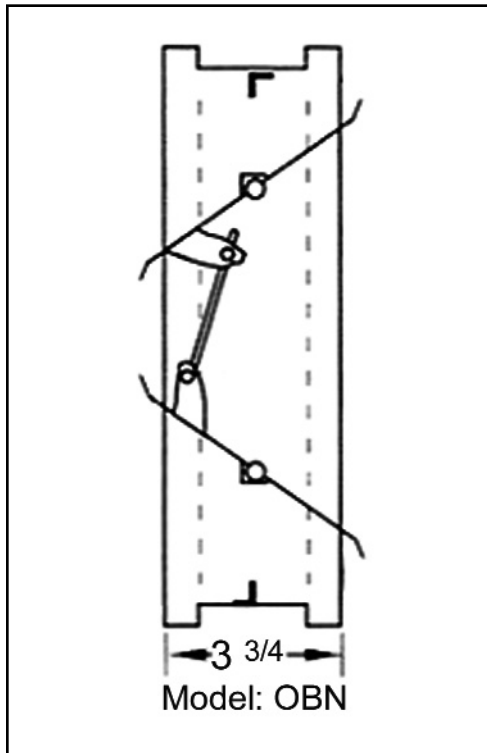


## Opposed Blade/Parallel Blade Non-Sealed Damper

The OBN/PBN non sealed balancing damper offers a sturdy steel construction. The damper frame is a 16ga galvanized welded design to keep the damper square and true to form. The blades are formed 16ga galvanized with linkage in the air stream for better blade operation. Bronze oilite bushings offer low maintenance and ease of operation.

### Opposed Blade Non-Sealed Damper



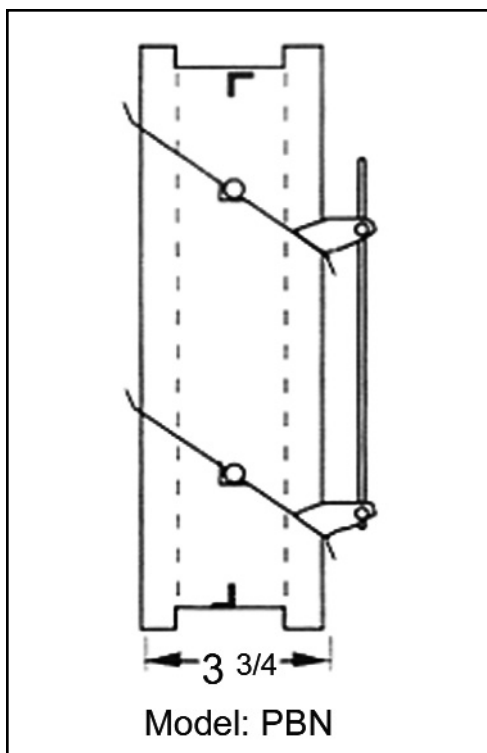
#### Standard Construction:

Frame:	16 GA galv formed hat channel w/welded construction
Blades:	16 GA galv rib formed
Bearings:	1/2" dia Oilite Bronze
Control rod:	1/2" CRS plated 9" long
Axles:	1/2" CRS plated 2 1/2" long
Hardware:	Plated Steel - Brass Pivots - 1/4" linkage rods
Finish:	Mill
Max. Single Section:	72 x 72
Min. Size:	6 x 6
Max. Velocity	2000 F.P.M.

**Other materials include:** Stainless Steel or Aluminum with some S.S. hardware.

**Options:** Jackshifting  
Face & Bypass  
Quadrants - Galvanized or Stainless Steel  
Electric Actuators

### Parallel Blade Non-Sealed Damper



Damper Height Size	Number of Blades
11" & Under	1
12" - 18"	2
19" - 24"	3
25" - 32"	4
33" - 40"	5
41" - 48"	6



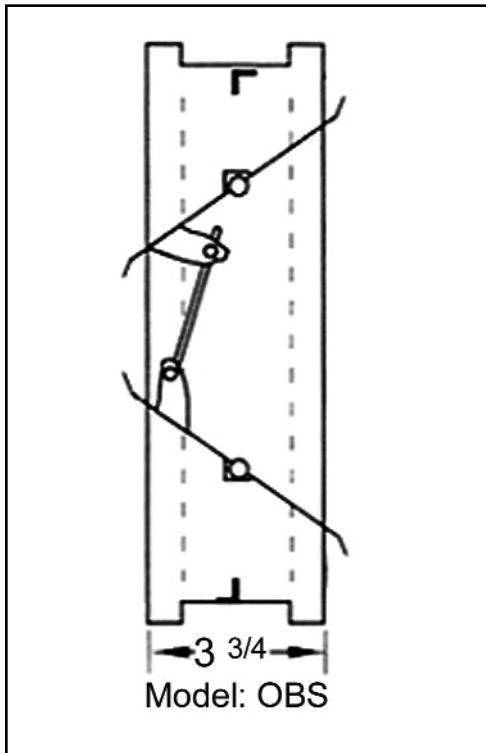
**Standard Metal Products Mfg. LLC**

DAMPERS & LOUVERS FOR THE HVAC INDUSTRY  
P.O. Box 32610 8030 Ranchers Road NE Minneapolis, MN 55432 763.783.7173 (P) 763.785.6977 (I) 1.800.297.9360

## Opposed Blade/Parallel Blade Sealed Damper

The OBS/PBS sealed control damper offers a sturdy steel construction. The damper frame is a 16ga galvanized welded design to keep the damper square and true to form. The blades are formed 16ga galvanized with linkage in the air stream for better blade operation. The blades seal tightly to frame using spring stainless steel side jambs and BES vinyl blade seals. Bronze oilite bushings offer low maintenance and ease of operation.

### Opposed Blade Sealed Damper



### Standard Construction:

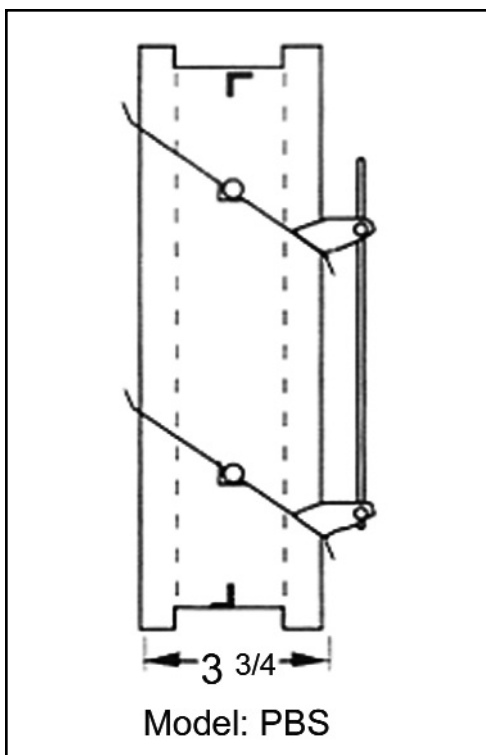
Frame:	16 GA galv formed hat channel w/welded construction
Blades:	16 GA galv rib formed
Bearings:	1/2" dia Oilite Bronze
Control rod:	1/2" CRS plated 9" long
Axles:	1/2" CRS plated 2 1/2" long
Blade Seals:	Elgin BES Vinyl
Side Seal:	Spring Stainless
Hardware:	Plated Steel - Brass Pivots - 1/4" linkage rods
Finish:	Mill
Max. Single Section:	72 x 72
Min. Size:	6 x 6
Max. Velocity	2000 F.P.M.

**Other materials include:** Stainless Steel, Aluminum with some S.S. hardware.

### Options:

Jackshifting  
Face & Bypass  
Quadrants - Galvanized or Stainless Steel  
Electric Actuators

### Parallel Blade Sealed Damper



### OBS Leakage CFM per Sq/Ft.

Damper Height Size	# of Blades
11" & Under	1
12" - 18"	2
19" - 24"	3
25" - 32"	4
33" - 40"	5
41" - 48"	6

Damper Size	1" SP	4" SP
14" x 48"	1.8	4.1
48" x 14"	1	8
48 x 48	2	8.2

The ratings shown are based on tests made in accordance with AMCA Standard 500



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