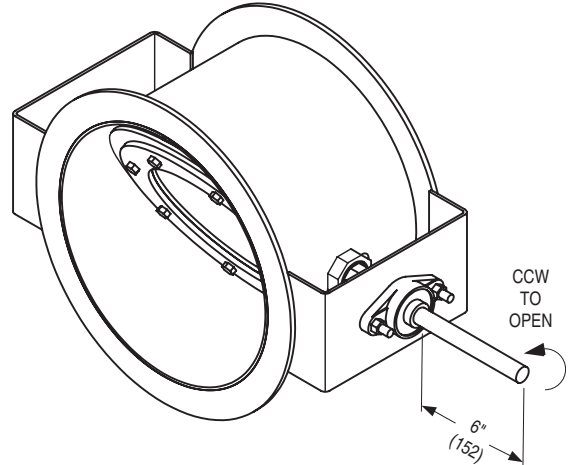


The Nailor Model 1995 is an extra heavy duty, industrial butterfly type isolation damper designed for use in high pressure industrial HVAC or process air systems. The model offers precise airflow control or shut-off in applications involving pressure differentials of up to 20" w.g. (5 kPa) and velocities up to 7000 fpm (36 m/s), depending on unit size. The extra heavy duty flanged frame, with optional bolt holes, connects easily to flanged duct for fast, secure installation. Model 1995 may be used for two-position or modulating control utilizing a selection of electric or pneumatic actuators, or can be operated manually with the optional locking hand quadrant.

STANDARD CONSTRUCTION:

- Frame:** Steel channel. See chart below for thickness, depth and flange dimensions.
- Blade:** Steel, reinforced as required. See chart below for thickness.
- Seal:** Full circumference elastomer type. Secured to blade with bolted retaining ring.
- Bearings:** Sealed ball bearings, relubricable, outboard mounted with adjustable shaft seals.
- Axle:** Plated steel, continuous, reinforced as required. See chart below for diameter.
- Drive Shaft:** Continuous axle extends approx. 6" (152) beyond outboard bearing.
- Blade Stop:** Single tab, welded to frame.
- Finish:** Grey epoxy paint.
- Available Sizes:** 4" (102) through 60" (1524) diameter.



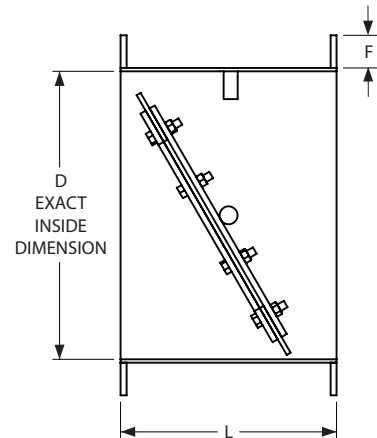
Model 1995 Maximum Performance Ratings	
Maximum Velocity	7000 fpm (36 m/s)
Maximum Pressure	20 in. w.g. (5 kPa)
Maximum Temperature	250°F (121°C)

Note: For higher operating temperatures, contact factory.

OPTIONS:

- 304 Type 304 Stainless Steel construction
- 316 Type 316 Stainless Steel construction
- AS50/75/10 Type 304 Stainless Steel axles only
- BSS Silicone blade seal (up to 400°F [204°C])
- BH1 Bolt holes in one flange
- BH2 Bolt holes in both flanges
- HDLQ Heavy duty hand locking quadrant
- FMXX Factory mounted actuator. Specify _____.
- Special Features: _____.

Note: For variations not shown, contact factory.



Size (Inside Diameter 'D')	Frame Depth (L) x Thickness	Flange Width (F) x Thickness	Blade Thickness	Axle Diameter
4" (102) to < 9" (229)	6" (152) x 10 ga.	1 1/4" (32) x 10 ga.	1/4" (6)	1/2" (13)
9" (229) to < 12" (305)	9" (229) x 10 ga.	1 1/4" (32) x 10 ga.	1/4" (6)	3/4" (19)
12" (305) to < 14" (356)	9" (229) x 10 ga.	1 1/2" (38) x 10 ga.	1/4" (6)	3/4" (19)
14" (356) to < 24" (610)	9" (229) x 10 ga.	1 1/2" (38) x 1/4" (6)	1/4" (6)	3/4" (19)
24" (610) to < 32" (813)	12" (305) x 1/4" (8)	2" (51) x 1/4" (6)	1/4" (6)	3/4" (19)
32" (813) to < 44" (1118)	12" (305) x 1/4" (8)	2" (51) x 1/4" (6)	1/4" (6)	1" (25)
44" (1118) to < 48" (1219)	12" (305) x 1/4" (8)	2" (51) x 1/4" (6)	1/4" (6)	1 1/2" (38)

SCHEDULE TYPE:		Page 1 of 2			
PROJECT:		Dimensions are in inches (mm).			
ENGINEER:	DATE	B SERIES	SUPERSEDES	DRAWING NO.	
CONTRACTOR:	8 - 18 - 20	1990	6 - 30 - 14	1995	



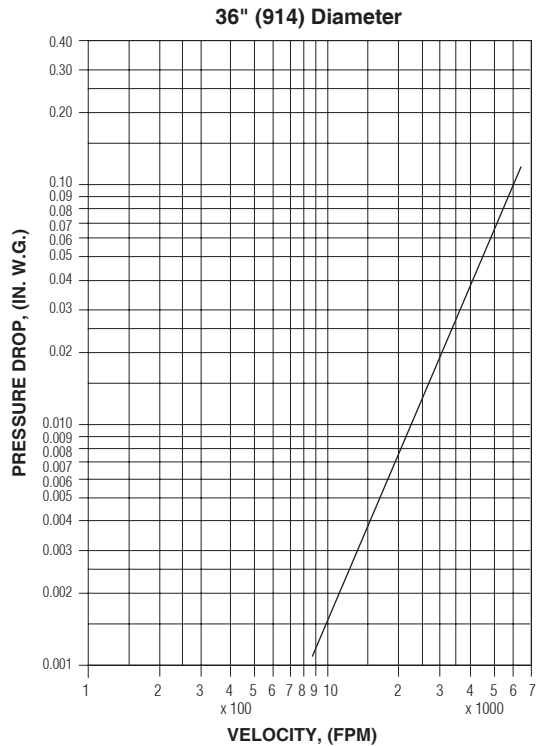
**HEAVY DUTY INDUSTRIAL ISOLATION DAMPER
ROUND • STEEL
PERFORMANCE DATA
MODEL: 1995**

PERFORMANCE LIMITATIONS:

Damper Diameter	Maximum System Pressure	Maximum Velocity
72" (1829)	15.0" w.g.	7000 fpm
60" (1529)	15.0" w.g.	7000 fpm
48" (1219)	15.0" w.g.	7000 fpm
36" (914)	16.0" w.g.	7000 fpm
24" (610)	17.0" w.g.	7000 fpm
12" (305)	20.0" w.g.	7000 fpm

Pressure and velocity limitations shown are guidelines for design purposes. Although ratings are on the conservative side, contact Nailor for requirements beyond limitations shown.

PRESSURE DROP:



Tested per AMCA Standard 500-D, Figure 5.3.

LEAKAGE:

Damper Diameter	Leakage in CFM (L/S)
72" (1829)	6.56 (3.10)
60" (1529)	5.47 (2.58)
48" (1219)	4.37 (2.06)
36" (914)	3.28 (1.55)
24" (610)	2.19 (1.03)
12" (305)	1.09 (0.51)

Leakage based on 10" w.g. pressure differential. Tested per AMCA Standard 500-D, Figure 5.5.

SCHEDULE TYPE:	Page 2 of 2			
PROJECT:	Dimensions are in inches (mm).			
ENGINEER:	DATE	B SERIES	SUPERSEDES	DRAWING NO.
CONTRACTOR:	8 - 18 - 20	1990	6 - 30 - 14	1995