

STRDBP ROUND HEAVY DUTY BYPASS DAMPER

SUBMITTAL



STRDBP

Heavy Duty Round Bypass Damper
Part # STRDBP

DESCRIPTION

The **STRDBP** includes a factory mounted actuator and electronic static pressure sensor controller used to control static pressure in zoned systems. STRDBP are available from 20", 22", and 24" round. The Electronic Static Pressure Controller is adjustable, controlling the modulating bypass damper to maintain static pressure as zone dampers modulate. The bypass system reduces air noise from the supply outlets caused by excessive air velocity.

On systems utilizing continuous fan operation, the bypass will modulate based on system static. The bypass controller is adjustable to maintain static pressure from .15" - .95" W.C. The Integrated Static Pressure Control (**IPC**) includes a quick start option or may be field adjusted to specified static pressure.

The electronic bypass is a modulating damper used for bypass applications. Bypass dampers are available from 6" – 24" round and 10"x10" – 40"x40" rectangular with a maximum pressure differential of 1.75" W.C.

The STRDBP damper cylinders and blades are fabricated from 24 gauge steel for the 20" damper and 22 gauge steel for the 22" & 24" dampers. Each damper is built with low leakage seals. Damper actuators can be easily removed from damper for servicing and motor inspection. Each actuator hat section is insulated to prevent condensation.

TECHNICAL DATA

Electrical:

Supply Voltage: 24 VAC

Power consumption: 2 VA maximum (1.5W)

Environmental:

Operating temperature: 32 to 122° F (0 to 50°C)

Operating humidity: 10-95% RH non-condensing

Storage temperature: 0 to 160° F (-18 to 83°C)

General:

Shell: 24 & 22 gauge steel

Shaft: 5/8" dia. round aluminum

Bushings: Synthetic

Actuator: Power Open/Power Close

Stroke: 90°

Pressure drop: < .04" W.C. @ rated CFM

Rev 03/25

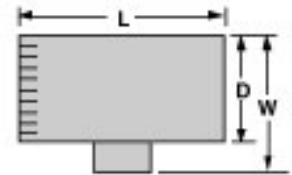
STRDBP ROUND HEAVY DUTY BYPASS DAMPER

Typical Capacities

	Diameter	Nominal CFM
STRDBP20	20"	3300
STRDBP22	22"	4000
STRDBP24	24"	4700

Dimensional Data

	Diameter	Depth	Length	Width
STRDBP20	20"	20"	24"	27"
STRDBP22	22"	22"	24"	27"
STRDBP24	24"	24"	24"	27"



ORDERING INFORMATION

Part No.	Description
STRDBP20	Bypass damper with Integrated Static Pressure Control, round, 20" diameter.
STRDBP22	Bypass damper with Integrated Static Pressure Control, round, 22" diameter.
STRDBP24	Bypass damper with Integrated Static Pressure Control, round, 24" diameter.

SENSOR LOCATION

