

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 a 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.

When the system is satisfied, the bypass damper will remain 25% open if intermittent fan is used. On systems utilizing continuous fan operation, bypass will modulate based on system static. 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.

STRDBP dampers feature a round frame and triple V blades for automatic air control. Damper cylinders and blades are fabricated from 16 gauge steel. Each damper is built with low leakage seals and stainless steel bearing. **STRDBP** dampers feature 24V ac, full stall motors which do not require end switches.

TECHNICAL DATA

Electrical:

Supply Voltage: 24vac

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 71°C)

General:

Shell: 16 gauge cold rolled galvanized steel

Shaft: 1/2" dia. aluminum, hexagonal

Bushings: Synthetic

Actuator: Power Open/Power Close

Stroke: 90°

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

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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

