

STMPD ROUND MEDIUM PRESSURE BYPASS DAMPER

SUBMITTAL



STMPD

Round Bypass Damper

DESCRIPTION

The **STMPD** is a power open, power close damper which is used for modulating bypass applications. The dampers are available from 6" – 18" round, with a maximum pressure differential of 1.75" W.C.

STMPD dampers feature an elliptical blade for linear air volume delivery throughout the damper range of travel.

The 6" – 10" damper cylinders are fabricated from 22 gauge steel; the 12" – 18" cylinders from 20 gauge steel. Each cylinder features two rolled beads, which provide maximum structural integrity. The trailing end is crimped for ease of installation. A positive air seal is accomplished through use of a high density foam gasket around the blade perimeter. The damper blade is bolted to the hexagonal damper shaft.

STMPD dampers feature 24V ac, full stall motors. The actuator is controlled by the 101ASPC static pressure control.

STMPD dampers can be paralleled to provide additional bypass CFM capacity when required.

Each actuator hat section is insulated to prevent condensation.

TECHNICAL DATA

Electrical:

Supply Voltage: 24vac

Power consumption: 2 VA maximum (1.5W)

Environmental:

Operating temperature: 20 to 125° F (-7 to 52° C)

Operating humidity: 10-95% non-condensing

Storage temperature: -20 to 130° F (-29 to 54° C)

General:

Shell: 20-22 gauge cold rolled galvanized steel

Shaft: 1/2" dia. aluminum, hexagonal

Bushings: Celcon

Actuator: Power Open/Power Close

Stroke: 60°

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

Rev 3/14/08

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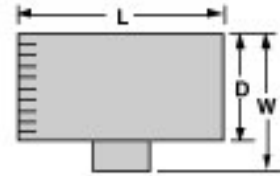
TYPICAL CAPACITIES*

Round Bypass Selection Table

Diameter	CFM
8"	560
10"	900
12"	1250
14"	1700
16"	2200
18"	2600

Dimensional Data

Part #	Diameter	Length	Width
STMPD08	8"	10"	11"
STMPD10	10"	12"	13"
STMPD12	12"	14"	15"
STMPD14	14"	16"	17"
STMPD16	16"	18"	19"
STMPD18	18"	20"	21"



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