

STMPD ROUND MEDIUM PRESSURE DAMPER

SUBMITTAL



STMPD **Round Medium Pressure Modulating** **Supply Damper**

DESCRIPTION

The **STMPD** is a medium pressure, power open/power close and pressure dependent modulating supply air damper. Damper sizes are available from 6" – 18" in diameter and have a maximum pressure differential of 1.75" W.C.

The 6" – 8" diameter damper cylinders are fabricated from 24 gauge steel and the 10" – 18" diameter cylinders from 22 gauge steel. The trailing end is crimped for ease of installation into duct work.

STMPD dampers feature an elliptical blade for linear air volume delivery throughout the damper range of travel. The damper blade is screwed to a round damper shaft. A positive air seal is accomplished through use of a high-density foam gasket around the inside circumference of the damper.

STMPD dampers feature 24 VAC full stall motors that do not require the use of end switches to terminate travel. Each STMPD is powered and controlled by its respective zone thermostat. Dampers can be wired in parallel to provide additional zone CFM capacity when required.

Damper motors are easily removed for damper shaft and motor inspection. Each actuator hat section is insulated to prevent condensation. The actuator provides minimum open and close stops for air balance requirements.

The STMPD may also function as a modulating slave damper for either supply or bypass dampers.

TECHNICAL DATA

Electrical:

Supply Voltage: 24 VAC

Power consumption: 2 VA maximum (1.5w)

Environmental:

Ambient Temperature: -22° to 122°F (-30°C to 50°C)

Operating humidity: 5 to 95% RH non-condensing

Storage temperature: -40°F to 176° F (-40°C to 80°C)

General:

Shell: 22-24 gauge steel

Shaft: 5/16" dia. round aluminum

Bushings: Celcon

Actuator: Belimo; power open/power close

Stroke: 60°

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

REV 1/30/25

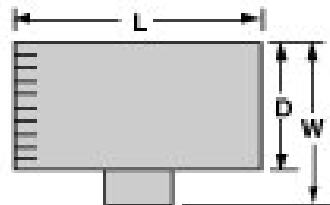
TYPICAL CAPACITIES*

	Diameter	Nominal CFM	Velocity FPM	ΔP "WC
STMPD06	6"	110	540	.014
STMPD08	8"	250	700	.015
STMPD10	10"	410	750	.015
STMPD12	12"	660	850	.015
STMPD14	14"	1000	925	.035
STMPD16	16"	1450	1070	.036
STMPD18	18"	2000	1100	.036

* Capacities are for reference only. Duct friction rate should be established by use of ACCA Manual D, Manual Q or equivalent.

Dimensional Data

	Diameter	Length	Width
STMPD06	6"	10"	9"
STMPD08	8"	10"	11"
STMPD10	10"	10"	13"
STMPD12	12"	12"	15"
STMPD14	14"	14"	17"
STMPD16	16"	14"	19"
STMPD18	18"	14"	21"



ORDERING INFORMATION

Part No.	Description
STMPD06	Medium pressure zone damper, round, 6" diameter.
STMPD08	Medium pressure zone damper, round, 8" diameter.
STMPD10	Medium pressure zone damper, round, 10" diameter.
STMPD12	Medium pressure zone damper, round, 12" diameter.
STMPD14	Medium pressure zone damper, round, 14" diameter.
STMPD16	Medium pressure zone damper, round, 16" diameter.
STMPD18	Medium pressure zone damper, round, 18" diameter.

TERMINAL FUNCTIONS

Rc	↔		3
Ro	↔		2
Mc	↔		1

RC- 24 VAC run damper closed
 RO- 24 VAC run damper open
 MC- 24 VAC motor common