

STMRX ROUND COMMERCIAL SUPPLY DAMPER

SUBMITTAL



STMRX **Round Commercial** **Supply Damper**

DESCRIPTION

The **STMRX** is a medium pressure power open, power close pressure dependent supply air damper. The dampers are available from 6" – 18" round, with a maximum pressure differential of 1.75" W.C.

STMRX 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.

STMRX dampers feature 24V ac, full stall motors, which do not require use of end switches to terminate travel.

Each STMRX is equipped with a GEN II-R damper control board. The control board is used to address each zone (1-10) by setting the jumper and to connect the daisy chain for 24V power, A and B communications connections and thermostat terminals.

STMRX dampers can be wired in parallel or slaved to provide additional zone CFM capacity when required.

Damper motors are easily removed from damper shaft for motor inspection. Each actuator hat section is insulated to prevent condensation. Damper minimum and maximum positions are field adjustable on the actuator.

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 9/18/18

STM RX ROUND COMMERCIAL SUPPLY DAMPER

TYPICAL CAPACITIES*

	Diameter	Nominal CFM	Velocity FPM	ΔP "WC
STM RX06	6"	110	540	.014
STM RX08	8"	250	700	.015
STM RX10	10"	410	750	.015
STM RX12	12"	660	850	.015
STM RX14	14"	1000	925	.035
STM RX16	16"	1450	1070	.036
STM RX18	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
STM RX06	6"	10"	9"
STM RX08	8"	10"	11"
STM RX10	10"	12"	13"
STM RX12	12"	14"	15"
STM RX14	14"	16"	17"
STM RX16	16"	18"	19"
STM RX18	18"	23 1/2"	21"

ORDERING INFORMATION

Part No.	Description
STM RX06	Medium pressure zone damper, round, 6" diameter
STM RX08	Medium pressure zone damper, round, 8" diameter
STM RX10	Medium pressure zone damper, round, 10" diameter
STM RX12	Medium pressure zone damper, round, 12" diameter
STM RX14	Medium pressure zone damper, round, 14" diameter
STM RX16	Medium pressure zone damper, round, 16" diameter
STM RX18	Medium pressure zone damper, round, 18" diameter

TERMINAL FUNCTIONS

