

# STRD ROUND HEAVY DUTY DAMPER

## SUBMITTAL



## STRD

**Heavy Duty Round Supply Damper**  
**Part # STRD**

## DESCRIPTION

The **STRD** is a round, fully modulating, and pressure dependent supply air damper. The dampers are available in sizes from 20", 22", and 24" diameters with a maximum pressure differential of 2.5" W.C.

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.

STRD dampers feature 24 VAC, full stall motors which do not require end switches. Each damper is controlled by its respective zone thermostat.

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

Damper actuators can be easily removed from damper for servicing and motor inspection. Each actuator hat section is insulated to prevent condensation. The actuator allows for minimum and maximum stops for air balance.

## TECHNICAL DATA

### **Electrical:**

**Supply Voltage:** 24 VAC

**Power consumption:** 2 VA maximum (1.5W)

### **Environmental:**

**Operating temperature:** -22 to 122° F (-30 to 50° C)

**Operating humidity:** 5-95% non-condensing

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

### **General:**

**Shell:** 24 & 22 gauge steel

**Shaft:** 5/8" dia. round aluminum

**Bushings:** Celcon

**Actuator:** Power Open / Power Close

**Stroke:** 90°

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

REV 1/30/25

## **Typical Capacities**

	Diameter	Nominal CFM	Velocity FPM	$\Delta P$ "WC
STRD20	20"	2600	1200	.10
STRD22	22"	3250	1250	.10
STRD24	24"	4100	1350	.10

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




## **Dimensional Data**

	Diameter	Depth	Length	Width
STRD20	20"	20"	24"	27"
STRD22	22"	22"	24"	27"
STRD24	24"	24"	24"	27"

## **ORDERING INFORMATION**

Part No.	Description
STRD20	Medium pressure zone damper, round, 20" diameter.
STRD22	Medium pressure zone damper, round, 22" diameter.
STRD24	Medium pressure zone damper, round, 24" diameter.

## **TERMINAL FUNCTIONS**

Rc	↔		3	RC- 24 VAC run damper closed RO- 24 VAC run damper open MC- 24 VAC motor common
Ro	↔		2	
Mc	↔		1	