

TRX ROUND LOW PRESSURE ZONE DAMPER

SUBMITTAL



TRX *Round low pressure zone damper*

DESCRIPTION

Each TRX low pressure unit is a two-position, spring open, power closed supply air damper. The dampers are available from 6" – 18" round, with a maximum pressure differential of .5" W.C.

The 6" – 10" damper cylinders are fabricated from 24 gauge steel and the 12" – 18" cylinders from 22 gauge steel. Each cylinder features **three** rolled beads, which provide maximum structural integrity. The trailing end is crimped for ease of installation. Positive air seal is accomplished without the use of gaskets, linkages or set screw adjustment.

All TRX dampers feature 24vac full stall motors, which do not require the use of end switches to terminate travel.

Each TRX 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.

TRX dampers can be paralleled or slaved to provide additional CFM capacity when required.

Damper motors are easily removed for damper shaft inspection. Each actuator hat section is insulated to prevent condensation.

TECHNICAL DATA

Electrical:

Supply Voltage: 24vac
Power consumption: 12 VA maximum
Input: 24vac

Environmental:

Operating temperature: -10 to 150° F (-23 to 66° C)
Operating humidity: 10-95% non-condensing
Storage temperature: -10 to 150° F (-23 to 66° C)

General:

Shell: 22-24 gauge cold rolled galvanized steel
Shaft: ½" aluminum, round
Bushings: Celcon
Actuator: Synchron
Stroke: 90°
Pressure drop: < .09" W.C. @ rated CFM

Rev 9/19/18

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ORDERING INFORMATION

Part No.	Description
TRX06	Low pressure zone damper, round, 6" diameter
TRX07	Low pressure zone damper, round, 7" diameter
TRX08	Low pressure zone damper, round, 8" diameter
TRX09	Low pressure zone damper, round, 9" diameter
TRX10	Low pressure zone damper, round, 10" diameter
TRX12	Low pressure zone damper, round, 12" diameter
TRX14	Low pressure zone damper, round, 14" diameter
TRX16	Low pressure zone damper, round, 16" diameter
TRX18	Low pressure zone damper, round, 18" diameter

Dimensional Data

	Diameter	Length	Width
TRX06	6"	10"	10 1/4"
TRX07	7"	10"	11 1/4"
TRX08	8"	10"	12 1/4"
TRX09	9"	11"	13 1/4"
TRX10	10"	12"	14 1/4"
TRX12	12"	14"	16 1/4"
TRX14	14"	16"	18 1/4"
TRX16	16"	18"	20 1/4"
TRX18	18"	20"	22 1/4"

NOTE: TRX low pressure dampers are available with Minimum Position Stops in sizes 10" and larger. Part # is designated as TRX__S (e.g., TRX10S).

TYPICAL ROUND CAPACITIES*

Duct Diameter	Nominal CFM	Duct Velocity FPM	Damper ΔP " WC
4"	40	450	.013
5"	70	525	.013
6"	110	540	.014
7"	160	600	.014
8"	250	700	.015
9"	320	725	.015
10"	410	750	.015
12"	660	850	.022
14"	1000	925	.035
16"	1450	1070	.036
18"	2000	1100	.036

* These air quantities were derived from a duct sizing chart .1" friction loss 100' of duct. All CFMs listed are approximate. For accurate selection use duct sizing table or device.

TERMINAL FUNCTIONS

