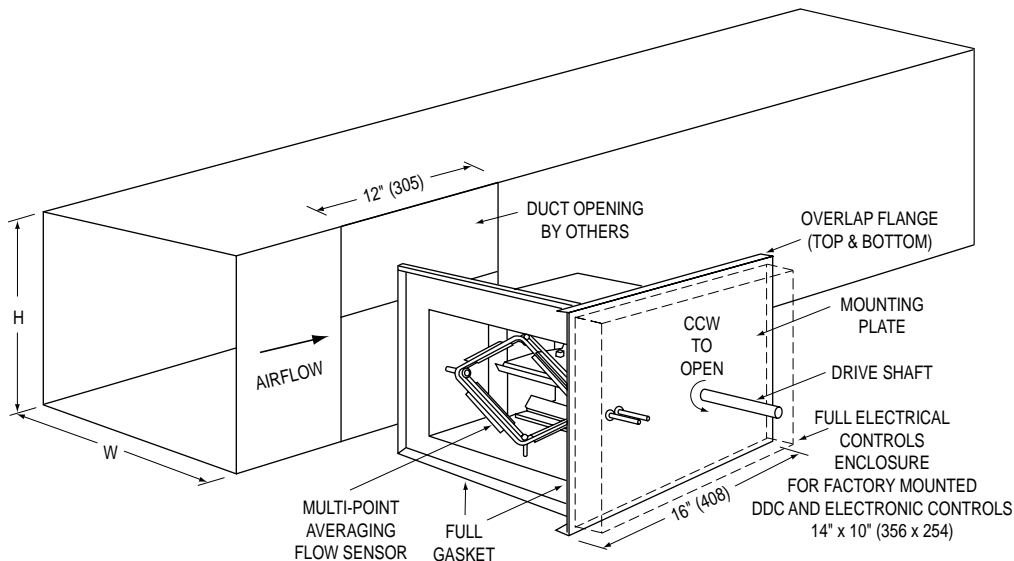




SLIDE-IN RETROFIT TERMINAL UNIT
PRESSURE INDEPENDENT • VARIABLE AIR VOLUME
MODEL: 36VRS

DESCRIPTION:

A slide-in type Retrofit Air Terminal Unit for square or rectangular ductwork. Converts constant volume systems to variable air volume. Available in 15 individual valve sizes to up to 15,000 cfm. Each unit size is available to suit various duct sizes as shown in the table. Simple, low cost installation into existing ductwork. The installer cuts a rectangular hole in the side of the duct, cuts away the insulation (where present), slides the unit into the duct and screws the mounting plate to the side of the duct.



STANDARD CONSTRUCTION:

- Damper: 16 ga. (1.6) galvanized steel construction with extruded PVC blade seals and metallic side jamb seals. Leakage is less than 2% of nominal CFM @ 3.0" w.g. as tested in accordance with ASHRAE Standard 130.
- Bearings: Celcon®.
- Drive Shaft: 1/2" (13) dia. plated steel, double-bolted to blade. Indicator mark on the end of the shaft to show damper position.
- Controls enclosure: A 20 ga. (0.91) galvanized steel enclosure to enclose all controls is available and is supplied as standard when controls are factory mounted. Exact size and location may vary dependent upon controls.
- Multi-point averaging flow sensor: Aluminum. Gauge taps are provided for field balancing when controls are factory mounted.

Model 36VRS Square or Rectangular

Unit Size	Nom. Valve Size	Min. - Max. Airflow Range				Available Duct Size Width x Height	
		Pneumatic		Digital/Analog		inches	mm
		cfm	l/s	cfm	l/s		
7	5 x 5	70 - 200	33 - 94	60 - 200	28 - 94	5 x 5 to 12 x 8	127 x 127 to 305 x 203
8	6 x 6	110 - 300	52 - 142	85 - 300	40 - 142	6 x 6 to 14 x 10	152 x 152 to 356 x 254
9	8 x 6	140 - 400	66 - 189	110 - 400	52 - 189	8 x 6 to 16 x 10	203 x 152 to 406 x 254
10	10 x 8	240 - 700	113 - 330	180 - 700	85 - 330	10 x 8 to 18 x 12	254 x 203 to 457 x 305
11	14 x 8	320 - 1000	151 - 472	260 - 1000	123 - 472	14 x 8 to 24 x 12	356 x 203 to 610 x 305
11A	18 x 6	310 - 1000	146 - 472	250 - 1000	118 - 472	18 x 6 to 26 x 10	457 x 152 to 660 x 254
12	12 x 10	350 - 1100	165 - 519	280 - 1100	132 - 519	12 x 10 to 22 x 14	305 x 254 to 559 x 356
13	18 x 10	500 - 1900	236 - 897	435 - 1900	205 - 897	18 x 10 to 30 x 14	457 x 254 to 762 x 356
14	18 x 12	650 - 2400	307 - 1133	540 - 2400	255 - 1133	18 x 12 to 28 x 16	457 x 305 to 711 x 406
15	20 x 14	850 - 3800	401 - 1794	700 - 3800	330 - 1794	20 x 14 to 30 x 18	508 x 356 to 762 x 457
15A	30 x 12	1020 - 5400	481 - 2549	870 - 5400	411 - 2549	30 x 12 to 36 x 16	762 x 305 to 914 x 406
16	22 x 16	1000 - 5400	472 - 2549	850 - 5400	401 - 2549	22 x 16 to 36 x 20	559 x 406 to 914 x 508
17	24 x 18	1250 - 6700	590 - 3162	1100 - 6700	519 - 3162	24 x 18 to 36 x 26	610 x 457 to 914 x 660
18	30 x 20	1750 - 10000	826 - 4720	1500 - 10000	708 - 4720	30 x 20 to 46 x 26	762 x 508 to 1168 x 660
19	40 x 20	2300 - 15000	1085 - 7080	1900 - 15000	897 - 7080	40 x 20 to 52 x 26	1016 x 508 to 1321 x 660

- Gasket under the mounting plate and around periphery of terminal insert seal the unit to the sides of the duct.

CONTROLS:

See separate submittal.

OPTIONS:

- 24 volt control transformer
- Toggle disconnect switch
- Dust tight enclosure seal
- Other:

SCHEDULE TYPE:

PROJECT:

ENGINEER:

CONTRACTOR:

Dimensions are in inches (mm).

DATE

B SERIES

SUPERSEDES

DRAWING NO.

2 - 13 - 06

3600

10 - 3 - 03

36VRS-1