

MODEL

- RVE - Retrofit terminal unit

APPLICATIONS

- Retrofitting a high pressure, constant volume system and converting it to a low pressure, variable volume system
- An exhaust or non-reheat supply application where a round to round duct connection is desired

FEATURES

- 22 gauge galvanized steel casing construction
- Round inlet and outlet sizes ranging from 4" to 16" diameter; slightly undersized to fit standard spiral and flex duct
- Four quadrant center averaging airflow sensor
- Cast position indicator on damper shaft for easy monitoring of damper position
- Delrin® damper bearings are self-lubricating; unaffected by temperature and humidity

CONTROLS

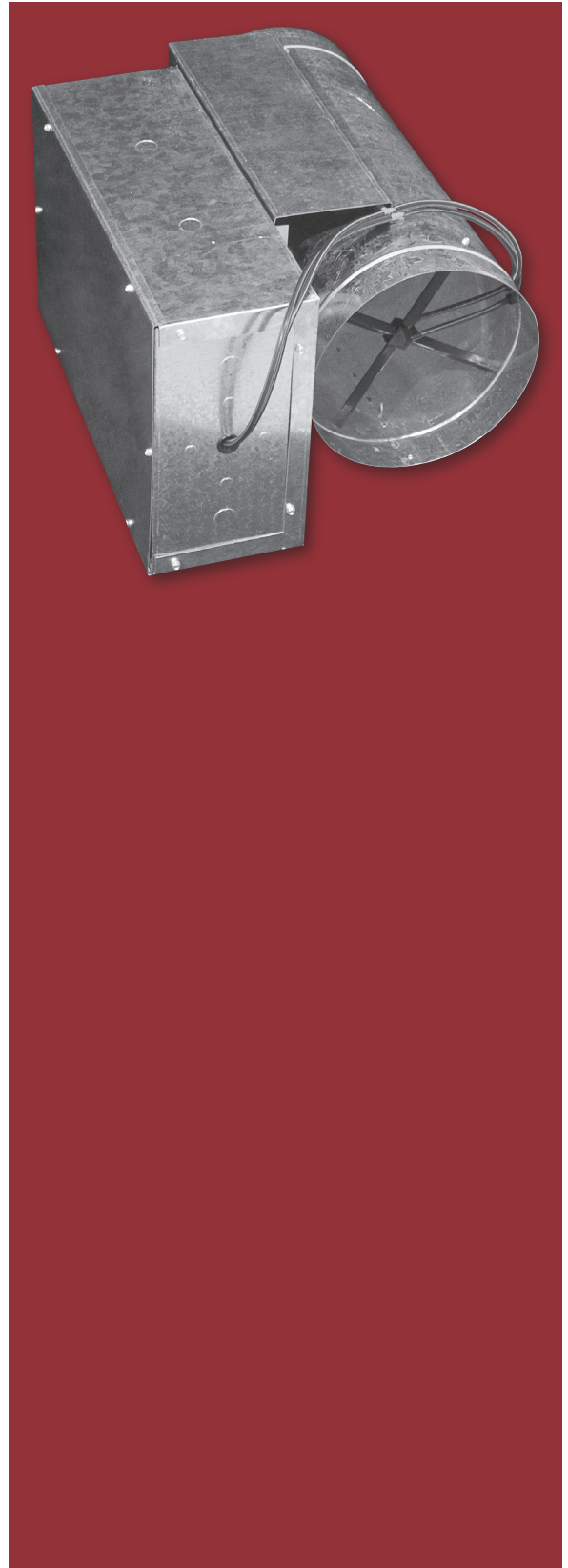
- Pneumatic Controls – Pressure independent, factory supplied, factory mounted, factory set airflows
- Analog Controls – Pressure independent, factory supplied and mounted
- DDC Controls – Variety of wiring and mounting configurations, factory mounted supplied by others

COMPATIBLE OPTIONS AND ACCESSORIES

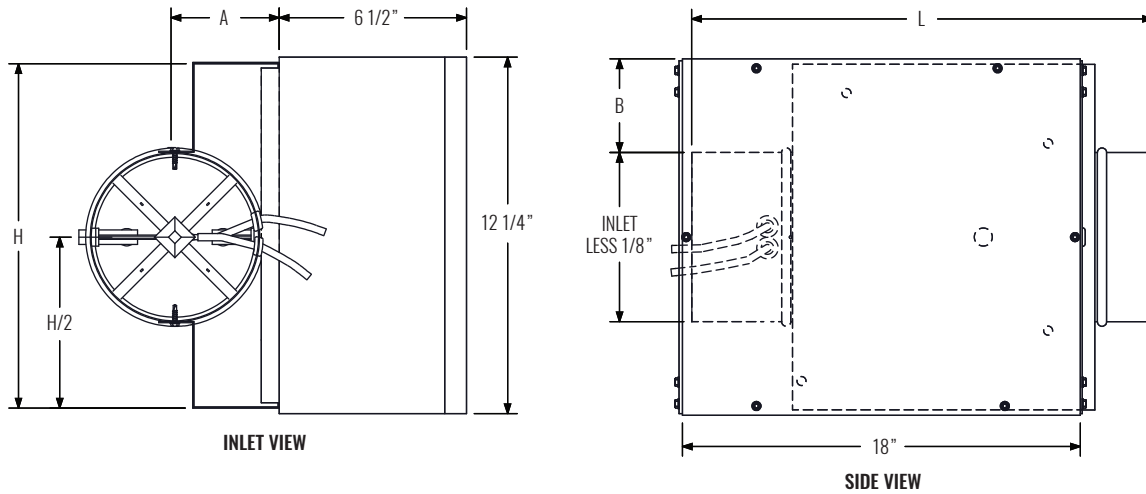
- 20 gauge galvanized steel casing construction
- Optional Stainless Steel Construction: Stainless steel construction is ideal for lab applications where the exhausted air contains corrosive materials that isn't suitable for contacting standard galvanized steel
 - Spot welded stainless steel duct casing
 - Linear averaging airflow sensor is stainless steel, if selected
 - Stainless steel damper shaft / damper blades
 - Brass damper shaft bearings
- Control enclosure
- Manual damper position lock for pressure dependent applications
- 24 VAC 50VA transformer
- Disconnect switch for digital controls
- Removable airflow sensor for cleaning and maintenance (4-quadrant center averaging sensor or linear averaging sensor)

CERTIFICATIONS

- ETL Listed - Adherence to UL 429 for units with factory provided transformers



DIMENSIONAL DATA



NOTES: Right-hand RVE with electronic control enclosure shown; left-hand is available. See table below for dimensional references.

PERFORMANCE AND DIMENSIONAL DATA

SIZE	PERFORMANCE				DIMENSIONS			
INLET	INLET AIRFLOW RANGE (CFM)	MIN Ps @ MAX AIRFLOW ("WG)	NOMINAL AIRFLOW (CFM)	RADIATED / DISCHARGE NC	A	B	H	L
4"	40 - 230	0.24	150	<20 / <20	3 9/16"	4 3/16"	12"	18"
5"	62 - 360	0.26	250	20 / <20	3 9/16"	3 11/16"	12"	18"
6"	90 - 515	0.24	400	24 / 20	3 9/16"	3 3/16"	12"	16"
7"	121 - 700	0.25	550	25 / 20	4 1/16"	2 11/16"	12"	16"
8"	160 - 920	0.26	700	27 / 25	4 9/16"	2 3/16"	12"	16"
9"	201 - 1160	0.26	900	27 / 24	5 1/16"	1 11/16"	12"	20"
10"	250 - 1425	0.25	1100	28 / 23	5 9/16"	1 3/16"	12"	20"
12"	360 - 2060	0.25	1600	31 / 27	6 9/16"	3/16"	12"	20"
14"	480 - 2800	0.26	2100	31 / 30	7 9/16"	N/A	14"	24"
16"	630 - 3660	0.25	2800	34 / 32	8 9/16"	N/A	16"	24"

NOTES: Information shown is abbreviated. See website for complete information. Min Ps is the pressure drop across the unit. Discharge sound power is the sound emitted from the unit discharge. Radiated sound power is the sound transmitted through the casing walls. All sound data is based on tests conducted in accordance with AHRI 880-11. NC application data is based on Sound Power levels (dB, re 10⁻¹² Watts) applied to AHRI Standard 885-08 Appendix E, as a function of flow rate shown. All data points listed are application ratings outside the scope of the Certification Program.