



PRODUCT DESCRIPTION

VAV terminal boxes type RAV were developed for the control of air flow, especially in variable volume systems.

They come in different models:

- RAV-BS/BC Single Duct Terminal Box (VAV/CAV)
- RAV-BP By-Pass Terminal Box

Factory fitted control package, ensures the most accurate setup of required flow rates. The flow rate control is a closed circuit system with external power supply. RAV boxes can be supplied with control components from any reputable manufacturer to suit the project specification.

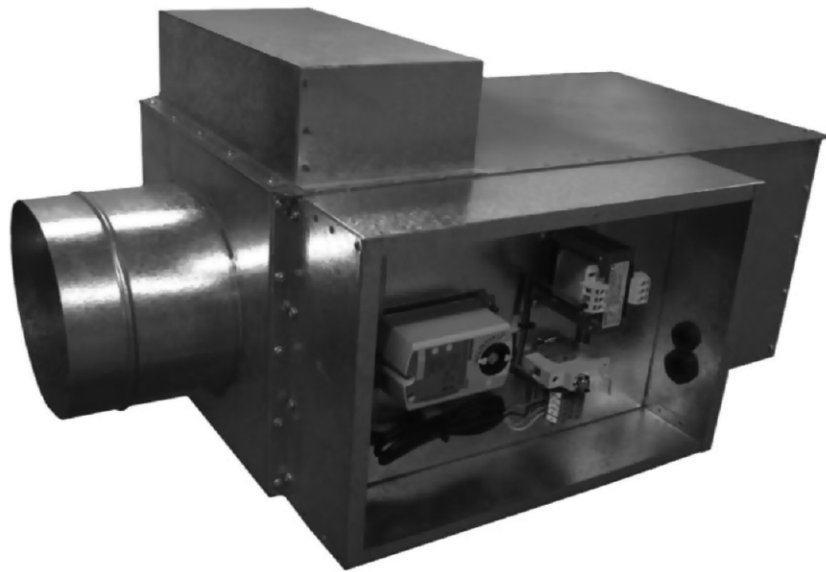
RAV contains a differential pressure sensor for air flow measurement (not for Bypass type), a control damper and an integral sound attenuator for reducing the air regenerated noise.

The control damper blade with seal insures best air tightness when closed.

RAV has a circular spigot connection up to 200 mm (8") size, and oval connection for larger sizes on the fan side (high pressure end) and a rectangular flange connection on the room side (low pressure end).



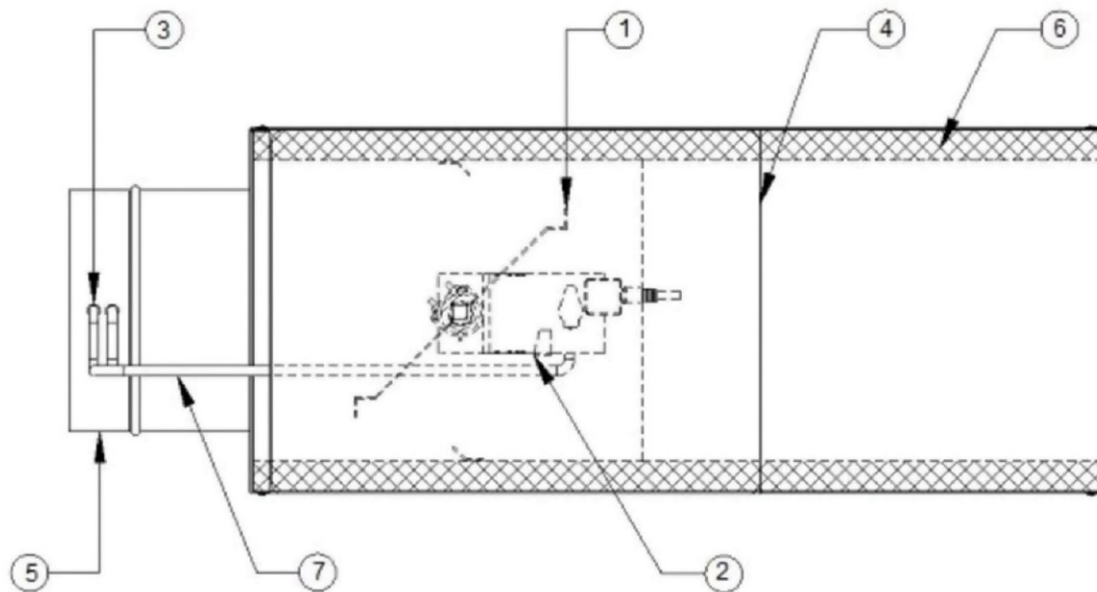
RAV-BP (By-Pass) - Pressure Dependent





RAV-BS/RAV-BC - CONSTRUCTION AND CHARACTERISTICS

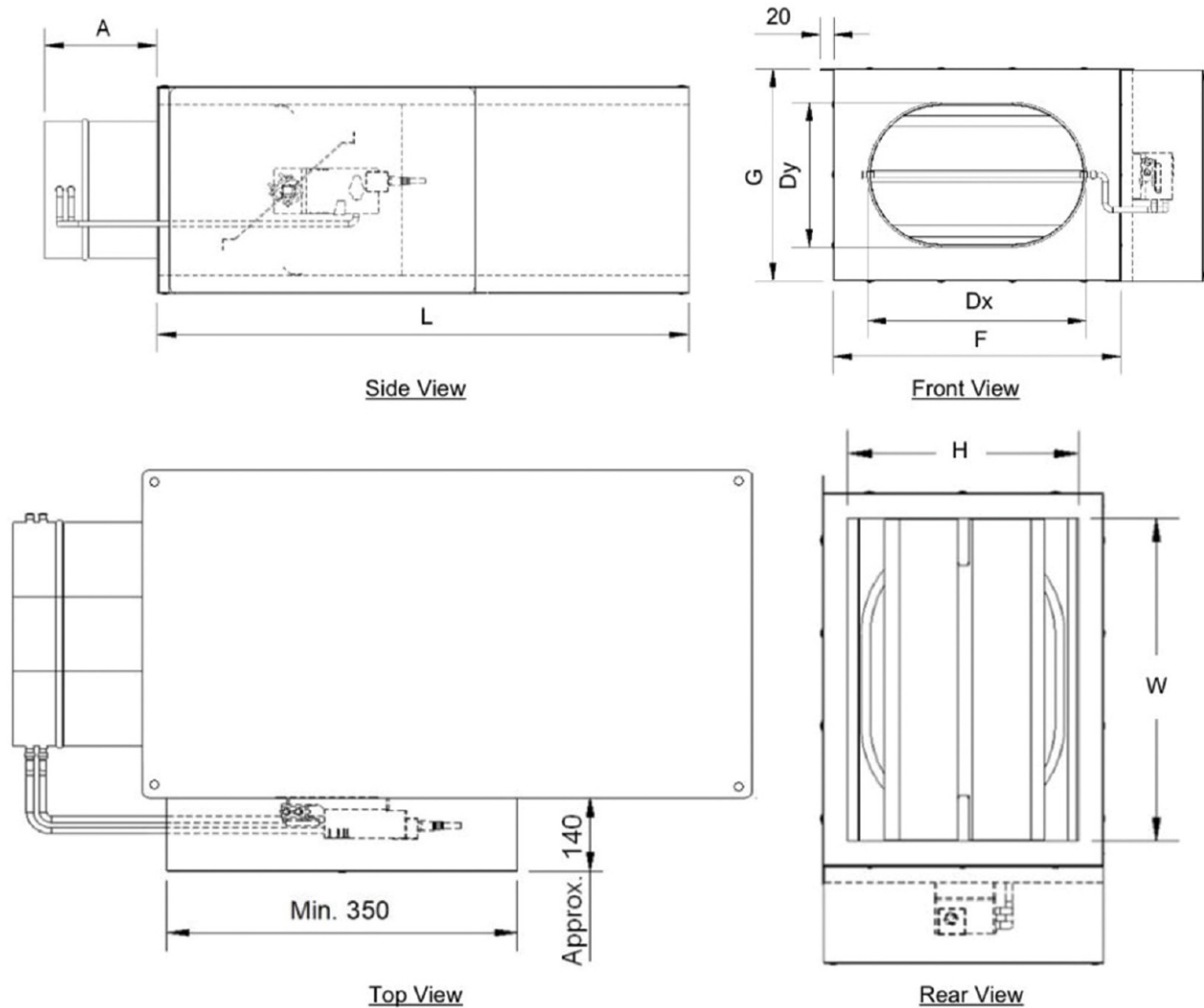
- Casing of galvanized steel sheet, gauge 22
- Lining in the sound attenuator section of 25mm thickness
- Control damper blade of galvanized sheet steel of Gauge 16 with suitable seal
- Sensor tubes of aluminum with plastic pipes to the actuator
- Nylon Bushing
- Controller fitted to the control damper made by Belimo or Siemens. Optionally we can use any other controller if requested
- Flow rate range is 1:10 (according to selected controller accuracy)
- Flow range is setup and programmed in the factory as required by end-user, based on data extracted from the calibration test rig



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|---------------------------------|----------------------------|
| 1) Control Blade | 5) Inlet Spigot |
| 2) Controller | 6) Acoustic Liner |
| 3) Differential Pressure Sensor | 7) DP Sensor plastic hoses |
| 4) VAV Main Casing Box | |



DIMENSIONS



Model	Inlet Shape	Dx (mm)	Dy (mm)	A (mm)	F (mm)	G (mm)	L (mm)	Outlet Size (mm)	
								W	H
RAV-BS-150 RAV-BC-150	Round	150	150	150	300	250	600	250	200
RAV-BS-200 RAV-BC-200	Round	200	200	150	300	300	700	250	250
RAV-BS-250 RAV-BC-250	Flat Oval	300	200	150	400	300	700	350	250
RAV-BS-300 RAV-BC-300	Flat Oval	400	200	150	500	300	700	450	250
RAV-BS-350 RAV-BC-350	Flat Oval	450	250	150	550	350	800	500	300
RAV-BS-400 RAV-BC-400	Flat Oval	575	250	150	650	350	800	600	300
RAV-BS-450 RAV-BC-450	Flat Oval	610	300	200	700	400	900	650	350
RAV-BS-500 RAV-BC-500	Flat Oval	750	300	200	850	400	900	800	350
RAV-BS-600 RAV-BC-600	Flat Oval	910	350	200	1000	450	1000	950	400