

PROFLEX (S) AIRE PTE LTD

VARIABLE AIR VOLUME (VAV) BOX INSTALLATION DETAIL
DOC NO.: 2024-INS-030

Description

PA Variable Air Volume (VAV) Box (Model: VAV) is designed to adjust the amount of air flow in the ducting system based on the setpoint of the thermostat setting. It can be used for both BMS or local setting. For the local setting, we do provide the standalone system using BELIMO range of VAV controller set and thermostat. Besides standard constructed from galvanised steel (GI), stainless steel material is available upon request.



Installation Guideline

1. Accessories Connection

Install the VAV Controller set in the VAV box

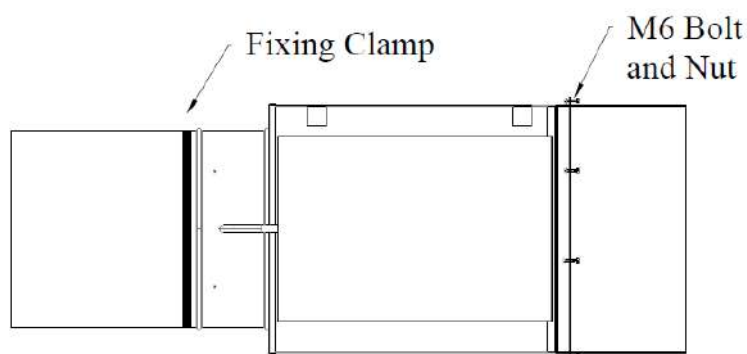
- Standalone System: BELIMO controller set including transformer and thermostat (to be installed at the wall)
- BMS System: to be supplied by the BMS company

The wires connection must be pre-connected before the installation work.

- Between transformer (outgoing) and VAV controller (power input)
- 3 pin power plugs to the transformer (incoming)

2. Installation Detail

- Install the VAV Box in the position and secure it with the rod or support to the bracket of the VAV box.
- Connect the Connection duct to the VAV Box
 - o Inlet: Fixing Clamp Method
 - o Outlet: M6 Bolts and nuts / Drive slip (C Clip) and Hemmed "S" Slip (S Clip)
- Connect wire between the controller and the thermostat based on the wire connection detail accordingly
- Connect the 3 pin power plug into the allocated socket point.



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