

Variable Air Volume Boxes (VAV Boxes)

VAV systems are the most modern, energy-efficient systems available for comfort air conditioning. VAV systems require less fan capacity than a comparable constant volume system because VAV systems adjust the air supply to correspond to changes in the air conditioning load within the building. The control of air distribution in VAV systems is accomplished through VAV units which control the amount of supply air to the space in response to the thermostat controlling the temperature of the space. The VAV boxes provided by us is of Pressure Independent type, complete with a microprocessor DDC controller, damper, damper actuator, cross flow velocity sensor with differential pressure transmitter, thermostat and in-built step down transformer.

The air flow sensor is of a cross configuration located at the inlet of the assembly and shall have multiple pickup points, designed to average the flow across the inlet of the assembly. The air flow sensor shall amplify the sensed air flow signal.

The VAV boxes comprise of a microprocessor based BACnet MS/TP DDC controllers, and enable interface for the communication with the third party BACnet based BMS systems.

We can cater to all your requirements right from 200 CFM to 8000CFM

One OEM for Box, Controller & Thermostats

Unit Size (inch)	L/S Min-Max	CFM Min-Max
6	29-212	62-450
8	52-378	110-800
10	85-637	180-1350
12	127-991	270-2100
14	189-1510	400-3200
16	269-1888	570-4000
24	378-3775	800-8000



Features of Honeywell VAV Boxes

- All units are factory calibrated, and tested for the load Variations.
- Single skin as well as Double Skin VAV boxes in customizable options are available.
- Single source responsibility with support for commissioning of VAV Boxes ensuring simplified co-ordination, guaranteed compatibility and hassle-free handing over to the HVAC Contractor.
- ISO 9001-2000 quality certified.
- Heating/ cooling application with single VAV CO2/RH/Temperature inbuilt in one thermostat.
- Flexibility to choose different controllers/ thermostats as per application. Globally backed by the largest installation base
- UL, CE Certified Controllers and Thermostats



AHU Globe Valves and Actuators



2 & 3-way threaded connection control valves

- Cast iron or red brass body and stainless steel stem
- Linear or equal percentage characteristics
- Temperature ranges from 2 °C to 170 °C
- Size range from 15mm to 150mm
- Used with direct coupled electrical actuators
- Direct coupling with electrical or pneumatic actuators for easy mounting

AHU Ball Type Control Valves and Actuators



- Leakage rate: = 0.01% of Kvs
- Medium: Water or neutral liquid
- Temperature: -5 - 120 °C
- Size (DN15-DN150)
- Connection: Flanged/threaded
- Flow characteristic: Equal percentage
- **Nominal Pressure:** PN16

Motorised Butterfly Valves



- DI and SS disc variants, IP66/IP67 rated electric actuator, On/Off and Modulating control
- **Nominal Pressure:** PN16, PN25
- **Available sizes:** 50 mm, 65 mm, 80 mm, 100 mm, 125 mm, 150 mm, 200 mm, 250 mm, 300 mm, 350 mm, 400 mm, 500 mm, 600 mm

FCU Valves



- On /Off /Modulating
- 110 /220VAC
- 2-way / 3-way
- DN15, 20, 25
- Spring-return/Non Spring -return
- **Nominal Pressure:** PN20

PICB Valves



- Size: DN25-DN150
- Flow Control Accuracy: ±5%
- Valve Rated Pressure: PN16
- Media: Water, glycol solution
- Media Temperature: -5° ~120 °C
- Operating Ambient Temperature: 0-65 °C

Thermostats



- On-Off
- 110 /220 /230 VAC
- 2-pipe / 4-pipe
- Backlight LCD
- Heating and Cooling Application
- CE Listed

Commercial Valves

Forged Brass Ball Valve

- Forged brass body, full port design, BSP Internal threads, Chrome plated Brass Ball
- **Nominal Pressure:** PN16
- **Available Sizes:** 15 mm, 20 mm, 25 mm, 32 mm, 40 mm, 50 mm, 65 mm, 80 mm



Dual Plate Check Valve

- Cast iron / Ductile iron body, DI/SS disc, water and natural liquid application
- **Nominal Pressure:** PN16, PN25
- **Available Sizes:** 50 mm, 65 mm, 80 mm, 100 mm, 125 mm, 150 mm, 200 mm, 250 mm, 300 mm



Wafer Type Manual Butterfly Valve

- Cast iron / Ductile iron body, DI/SS Disc, water and neutral liquid application, EPDM Liner
- **Nominal Pressure:** PN16, PN25
- **Available Sizes:** 40mm, 50 mm, 65 mm, 80 mm, 100 mm, 125 mm, 150 mm, 200 mm, 250 mm, 300 mm, 350 mm, 400 mm, 450 mm, 500 mm, 600mm



Manual & Auto Balancing Valve

- Double regulating balancing valve and shutoff valve
- **Nominal Pressure:** PN16
- **Available Sizes:** 15 mm, 20 mm, 25 mm, 32 mm, 40mm, 50 mm, 65 mm, 80 mm, 100 mm, 125 mm, 150 mm, 200 mm, 250 mm, 300 mm



Y-Strainer

- **Nominal Pressure:** 16 bar
- **Available Sizes:** 15 mm, 20 mm, 25 mm, 32 mm, 40 mm, 50 mm, 65 mm, 80 mm, 100 mm, 125 mm, 150 mm, 200 mm, 250 mm, 300 mm



Pressure Reducing Valves

- Protection
- Quality
- Flexibility
- Simple to use
- Easy maintenance
- Ready for upgrading
- Minimize noise
- **Available Sizes:** 15 mm, 20 mm, 25 mm, 32 mm, 40 mm, 50 mm, 65 mm, 80 mm, 100 mm, 150 mm, 200 mm



Fire and Smoke Damper Actuators



Safety First

Spring return rotary type ON/OFF damper actuator for fire and smoke applications with UL555S ratings up to 350°F, running time motor (open) **15 seconds & spring return (close) 15 seconds**, Die-cast aluminum housing, and reversible mounting facilitates.

- Fast-Acting two position Actuator
- Running time running time motor (open) 15 seconds & spring return (close) 15 seconds (open & close same time)
- For fire and smoke applications meet both UL555 and UL555S ratings up to 350°F
- Robust die-cast Aluminum Housing for protection and long service life
- Internal Spring Stainless Steel
- 2 Built-in Auxiliary switches
- Reversible mounting possible
- Approval UL/cUL; CE; C-Tick

Torque rating 3.4Nm, 9Nm & 20Nm

Fire and Smoke Spring Return Actuators (UL & Non-UL)

Torque	Model Number	Voltage	SPST Aux Switch
30 lb-in (3.4 Nm)	MS4604F1010	230 Vac	0
	MS4604F1210	230 Vac	2 Internal
	MS8104F1010	24 Vac	0
	MS8104F210	24 Vac	2 Internal
80 lb-in (9 Nm)	MS4609F1010	230 Vac	0
	MS4609F1210	230 Vac	2 Internal
	MS8109F1010	24 Vac	0
	MS8109F1210	24 Vac	0
175 lb-in (20 Nm)	MS4620F1005	230 Vac	0
	MS4620F1203		2 Internal
	MS8120F1002	24 Vac	0
	MS8120F1200		2 Internal

Non Spring Return Actuators



- Volume control dampers, mounted directly to the drive shaft or remotely (with the use of accessory hardware)
- Quarter-turn rotary valves, such as ball or butterfly valves mounted directly to the drive shaft