

SPECIFICATIONS

High-Rangeability Control Valve - AHU

Control valves for air handling units shall be 2way high rangeability/ PIBCV type of Cast Iron/S.G. Iron construction of PN16 rating with flanged connections. The valve shall have linear stroke of minimum 15mm and rangeability of more than 300.

The actuator shall be electronic, motorised, modulating type operating on 24Vac and 0-10Vdc or 4-20mA control signal. The actuator shall have provision for 0-10Vdc position feedback signal and manual operation. It shall be possible to operate the valve manually and the actuator shall switch back to auto mode when power supply is restored. The valve actuator housing shall have IP54 protection.

The actuator should be suitable for a valve close-up pressure of 1.5 times the pump head or a minimum of 4 bars.

Temperature Controller

The temperature controller shall be electronic, microprocessor based with display working on 24Vac with 0-10Vdc output. It shall be capable of accepting inputs from 3 temperature sensors. One temperature sensor for conditioned space temperature measurement and the other two temperature sensors for coil inlet and outlet water temperature measurements. The controller shall be capable of comparing the signals and selecting the lower output to prevent excessive water flow through coil.

In case of BMS, controller shall accept 0-10Vdc signal from BMS.