Section 23 09 00 – INSTRUMENTATION AND CONTROL FOR HVAC

23 09 13 Instrumentation and Control Devices for HVAC

13.13 ACTUATORS


1. The combination of valve and actuator shall meet the close-off requirements as specified in Section 2.16.D/E – Butterfly Valves.
2. Coupling: ISO 5211 mounting standards.
3. Overload Protection: 120VAC and 220VAC line voltage units shall have a built-in thermal overload protector with automatic reset.
5. Actuator shall have an option to provide remote indication of manual vs. automatic mode of operation.
6. Power Requirements: 24VAC, 120VAC or 220VAC
7. Auxiliary Switches: Two SPDT rated 10A at 120 VAC or 10A at 220 VAC.
8. Temperature Rating: -20 to +150°F. (-29 to +65°C)
9. Housing: Minimum requirement NEMA type 4X/ IP65 with polyester coating. Actuator shall have an option for an internal heater to prevent condensation within the housing. A visual indication beacon shall indicate position status of the device.
10. Agency Listing: UL, CE, CSA
11. The manufacturer shall warrant for 18 months from shipment or one year from service date.
12. Bray S-70 or equal.