*Revised July 22, 2025*

**Section 230900 Control Valves**

6-way Valve (Belimo Characterized Control Valves)

1. The control valve and actuator assembly shall be provided and delivered from a sing le manufacturer.
2. Manufactured, brand labeled or distributed by Belimo.
3. The manufacturer shall warrant all components for a period of 5 years from the date of production.
4. Actuators for valves shall be cULus listed and be manufactured under ISO 9001 International Quality Control Standards.
5. Actuator shall be provided with a means of manual override upon power loss.
6. Actuators shall be protected from overload at all angles of rotation.
7. Control valve and actuator assembly shall be capable of closing valve against 150% system pump shutoff head for water; 150% steam design pressure. 3-way mixing valves shall be capable of closing valve against 150% of system differential pressure.
8. Control valve bodies shall be nickel plated (forged) brass. Chrome plated brass ball and blow-out proof stem with PTFE and double EPDM O-Rings. Valve body shall incorporate chrome plated steel characterizing discs.
9. Media water temperature shall be 43oF to 180oF (6oC to 82oC) with maximum 60% glycol solution.
10. Valve (A-AB) shall be linear flow characteristic with 0% Leakage.
11. The valve shall incorporate a loop pressure relief to release any pressure build up in the loop when the valve is in the isolated position.

*Note to Specifier: To incorporate a condensate sensor add the following statement.*

1. Incorporate a condensate sensor with LED indication to close the valve upon sensing condensate.