

HVAC Valve Cross-Reference Sheet (2026)

Project: _____ | Date: _____ System/Tag: _____
| Ref By: _____

1. Existing Installation (The "Old" Unit)

Capture details directly from the failed unit's label.

- **Make/Model:** _____
- **Valve Function:** ☐ 2-Way | ☐ 3-Way Mixing | ☐ 3-Way Diverting
- **Connection Size:** DN _____ (☐ Threaded | ☐ Flanged)
- **Flow Coeff (Cv/Kv):** _____
- **Control Signal:** ☐ On/Off | ☐ 3-Point (Floating) | ☐ 0-10V | ☐ 4-20mA
- **Input Voltage:** ☐ 24V AC/DC | ☐ 120V/230V AC
- **Fail-Safe:** ☐ None | ☐ Spring Open | ☐ Spring Closed

2. System Requirements (The "Real" Need)

Verify these against the design drawings, not just the old valve.

- **Max System Pressure (PN):** _____ (e.g., PN16, PN25)
- **Medium Temperature:** _____ °C (Glycol %: _____)
- **Close-off Pressure Req:** _____ kPa (Pump Head)
- **Mounting Interface:** ☐ Standard ISO 5211 | ☐ Custom Linkage Needed?

3. Proposed Alternative

- **Brand/Series:** _____
- **Torque:** _____ Nm (Must be \geq Old Unit)
- **Running Time:** _____ Sec (Match loop speed)
- **Auxiliary Switches:** ☐ Required? (Feedback to BMS)

Final "Risk" Checklist

- ☐ **Hydraulics:** Is the new Kv within 10% of the required flow? (Don't oversize!)
- ☐ **Wiring:** Does the new actuator share a common ground with the controller?

- [] **Fit:** Will the new assembly physically fit in the ceiling/cabinet?
- [] **Direction:** For 3-way valves, is the flow direction (Mixing vs Diverting) correct?

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