

4. Sizing examples

5.3 General specifications

1. Shut-off valve DN 15 - 50

- 1.1. The Contractor must install shut-off valves where indicated in drawings.

2. Valve Body

- 2.1. The valve body must be made of hot stamped DR brass CW602N CuZn36Pb2As.
2.2. The pressure rating must be no less than PN25 (PN16 with press adaptors).
2.3. The valve must be able to perform isolation and optionally draining and pressure measurement in one single unit.
2.4. The valve must be bi-directional to flow, and no flow arrow must be indicated in the valve body.
2.5. The isolation handle and the measuring points must be positioned in plane incline at an angle of 90° to each other.
2.6. Testing through measuring points must be possible in all valve positions.
2.7. One P/T port must be in front of the isolation ball and the other behind the isolation ball.
2.8. The valve must incorporate a restricted flow ball for the isolation and optional flow measurement.
2.9. The size of the valve must be clearly marked on the housing.

3. Functions

- 3.1. The valve must have a visible quarter-turn open/close function.
3.2. The flow measurement must be possible at pressure loss of at least 3.0 kPa.
3.3. Flow through the valve must be possible in both directions at the same Kv value.