

6.2 General specifications DN 10-50

1 Balancing valve DN 10 - 50

1.1. The Contractor must install static balancing 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 regulation, isolation and flow 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 handle and the P/T ports must be perpendicular to each other.
- 2.6. Testing through measuring points must be possible in all valve positions.
- 2.7. One measuring point must be installed in front of the isolation ball and the other behind the isolation ball.
- 2.8. The size of the valve must be clearly marked on the handle.

3. Flow Regulation

- 3.1. The flow setting must be externally adjustable by means of an Allen key.
- 3.2. The flow setting must remain unchanged when the isolation (open/close) function is operated.
- 3.3. Flow measurement must be done across a ball with a built-in regulating needle.

4. Functions

- 4.1. The valve must have a visible quarter-turn open/close function.
- 4.2. The valve must have scale of 100 different setting positions at an 0.1 increment.
- 4.3. Flow through the valve must be possible in both directions at the same Kv-value.