

## 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.