

Vexve ball valves, maximum allowed operating torques

| DN-size ¹⁾ | | Torque ²⁾ | | | | | Max. pressure class ³⁾ |
|-----------------------------------|-----------|----------------------|-------|-------|-------|-------|-----------------------------------|
| Reduced Bore | Full Bore | [Nm] | | | | | |
| DN 10/15 | DN 10 | 9 | 10 | 12 | 13 | 15 | PN 40 |
| DN 20 | DN 15 | 10 | 12 | 15 | 16 | 18 | |
| DN 25 | DN 20 | 15 | 17 | 19 | 21 | 24 | |
| DN 32 | DN 25 | 21 | 23 | 25 | 27 | 30 | |
| DN 40 | DN 32 | 34 | 36 | 39 | 43 | 43 | |
| DN 50 | DN 40 | 42 | 45 | 50 | 55 | 60 | |
| DN 65 | DN 50 | 60 | 63 | 68 | 75 | | PN 25 |
| DN 80 | DN 65 | 80 | 85 | 98 | 110 | | |
| DN 100 | DN 80 | 110 | 125 | 150 | 250 | | |
| DN 125 | DN 100 | 150 | 200 | 270 | 390 | | |
| DN 150 | DN 125 | 280 | 350 | 520 | 750 | | |
| DN 200 | DN 150 | 300 | 600 | 900 | 1200 | | |
| DN 250 | DN 200 | 800 | 1300 | 1900 | 2500 | | |
| DN 300 | DN 250 | 2000 | 2500 | 3000 | 4000 | | |
| DN 350 | DN 300 | 1000 | 2200 | 2800 | 4000 | | |
| DN 400 | DN 350 | 1500 | 3000 | 4500 | 6500 | | |
| DN 500 | DN 400 | 2000 | 6000 | 9000 | 12000 | | |
| DN 600 | DN 500 | 2000 | 6000 | 9000 | 12000 | | |
| DN700 | DN600 | 2500 | 7500 | 11250 | 15000 | 18000 | PN 40 |
| DN800 | DN700 | 3900 | 11650 | 17500 | 23350 | 28000 | |
| | DN800 | 5200 | 15650 | 23400 | 31250 | 37500 | |
| | | 0 | 10 | 16 | 25 | 40 | |
| Pressure difference ⁴⁾ | | | | | | | |
| [bar] | | | | | | | |

1) DN-size of the valve

2) Max. torque needed to open/close the valve

3) Max. pressure class of the valve available

4) Pressure difference across the valve Δp :

where

$$\Delta p = p_1 - p_2,$$

p_1 = pressure before the valve

p_2 = pressure after the valve