

## Load limits

### Table of load limits in accordance with the German calibration regulations

#### Cold water meters

| Range                              |   | Class A                            |   |  | Class B                                     |  | Class C                                     |   | Nominal diameter DN                           |  |
|------------------------------------|---|------------------------------------|---|--|---|--|---|---|---|--|
| $Q_n$ in m <sup>3</sup> /h         | $Q_{max} = 2 \times Q_n$ in m <sup>3</sup> /h | $Q_{min} = 0.04 \times Q_n$ in l/h | $Q_t = 0.1 \times Q_n$ in l/h                 | $Q_{min} = 0.02 \times Q_n$ in l/h               | $Q_t = 0.08 \times Q_n$ in l/h              | $Q_{min} = 0.01 \times Q_n$ in l/h               | $Q_t = 0.015 \times Q_n$ in l/h             |   |   |  |
| $Q_n < 15 \text{ m}^3/\text{h}$    | 1.5   | 3                                  | 60  | 150  | 30  | 120  | 15  | 22.5  | 15  |  |
|                                    | 2.5   | 5                                  | 100   | 250  | 50  | 200  | 25  | 37.5  | 20  |  |
|                                    | 3.5   | 7                                  | 140   | 350  | 70  | 280  | 35  | 52.5  | 25  |  |
|                                    | 6   | 12                                 | 240   | 600  | 120   | 480  | 60  | 90  | 32  |  |
|                                    | 10  | 20                                 | 400   | 1000   | 200   | 800  | 100   | 150   | 40  |  |
| Range                              |   | $Q_n$ in m <sup>3</sup> /h         | $Q_{max} = 2 \times Q_n$ in m <sup>3</sup> /h | $Q_{min} = 0.08 \times Q_n$ in m <sup>3</sup> /h | $Q_t = 0.3 \times Q_n$ in m <sup>3</sup> /h | $Q_{min} = 0.03 \times Q_n$ in m <sup>3</sup> /h | $Q_t = 0.2 \times Q_n$ in m <sup>3</sup> /h | $Q_{min} = 0.006 \times Q_n$ in m <sup>3</sup> /h | $Q_t = 0.015 \times Q_n$ in m <sup>3</sup> /h |  |
| $Q_n \geq 15 \text{ m}^3/\text{h}$ | 15  | 30                                 | 1.2   | 4.5  | 0.45  | 3  | 0.09  | 0.225   | 50  |  |
|                                    | 25  | 50                                 | 2   | 7.5  | 0.75  | 5  | 0.15  | 0.375   | 65  |  |
|                                    | 40  | 80                                 | 3.2   | 12   | 1.2   | 8  | 0.24  | 0.6   | 80  |  |
|                                    | 60  | 120                                | 4.8   | 18   | 1.8   | 12   | 0.36  | 0.9   | 100   |  |
|                                    | 150   | 300                                | 12  | 45   | 4.5   | 30   | 0.9   | 2.25  | 150   |  |
|                                    | 250   | 500                                | 20  | 75   | 7.5   | 50   | 1.5   | 3.75  | 200   |  |
|                                    | 400   | 800                                | 32  | 120  | 12  | 80   | 2.4   | 6   | 250   |  |
|                                    | 600   | 1200                               | 48  | 180  | 18  | 120  | 3.6   | 9   | 300   |  |
|                                    | 1000  | 2000                               | 80  | 300  | 30  | 200  | 6   | 15  | 400   |  |
| 1500                               | 3000  | 120                                | 450   | 45   | 300   | 9  | 22.5  | 500   |   |  |

#### Warm water meters

| Range                              |   | Class A                            |   |  | Class B                                     |  | Class C                                      |  | Class D                                      |      |
|------------------------------------|---|------------------------------------|---|--|---|--|--|--|--|------|
| $Q_n$ in m <sup>3</sup> /h         | $Q_{max} = 2 \times Q_n$ in m <sup>3</sup> /h | $Q_{min} = 0.04 \times Q_n$ in l/h | $Q_t = 0.1 \times Q_n$ in l/h                 | $Q_{min} = 0.02 \times Q_n$ in l/h               | $Q_t = 0.08 \times Q_n$ in l/h              | $Q_{min} = 0.01 \times Q_n$ in l/h               | $Q_t = 0.06 \times Q_n$ in l/h               | $Q_{min} = 0.01 \times Q_n$ in l/h               | $Q_t = 0.015 \times Q_n$ in l/h              |      |
| $Q_n < 15 \text{ m}^3/\text{h}$    | 1.5   | 3                                  | 60  | 150  | 30  | 120  | 15   | 90   | 15   | 22.5 |
|                                    | 2.5   | 5                                  | 100   | 250  | 50  | 200  | 25   | 150  | 25   | 37.5 |
|                                    | 3.5   | 7                                  | 140   | 350  | 70  | 280  | 35   | 210  | 35   | 52.5 |
|                                    | 6   | 12                                 | 240   | 600  | 120   | 480  | 60   | 360  | 60   | 90   |
|                                    | 10  | 20                                 | 400   | 1000   | 200   | 800  | 100  | 600  | 100  | 150  |
| Range                              |   | $Q_n$ in m <sup>3</sup> /h         | $Q_{max} = 2 \times Q_n$ in m <sup>3</sup> /h | $Q_{min} = 0.08 \times Q_n$ in m <sup>3</sup> /h | $Q_t = 0.2 \times Q_n$ in m <sup>3</sup> /h | $Q_{min} = 0.04 \times Q_n$ in m <sup>3</sup> /h | $Q_t = 0.15 \times Q_n$ in m <sup>3</sup> /h | $Q_{min} = 0.02 \times Q_n$ in m <sup>3</sup> /h | $Q_t = 0.01 \times Q_n$ in m <sup>3</sup> /h |      |
| $Q_n \geq 15 \text{ m}^3/\text{h}$ | 15  | 30                                 | 1.2   | 3  | 0.6   | 2.25   | 0.3  | 1.5  |  |      |
|                                    | 25  | 50                                 | 2   | 5  | 1   | 3.75   | 0.5  | 2.5  |  |      |
|                                    | 40  | 80                                 | 3.2   | 8  | 1.6   | 6  | 0.8  | 4  |  |      |
|                                    | 60  | 120                                | 4.8   | 12   | 2.4   | 9  | 1.2  | 6  |  |      |
|                                    | 150   | 300                                | 12  | 30   | 6   | 22.5   | 3  | 15   |  |      |
|                                    | 250   | 500                                | 20  | 50   | 10  | 37.5   | 5  | 25   |  |      |
|                                    | 400   | 800                                | 32  | 80   | 16  | 60   | 8  | 40   |  |      |
|                                    | 600   | 1200                               | 48  | 120  | 24  | 90   | 12   | 60   |  |      |
|                                    | 1000  | 2000                               | 80  | 200  | 40  | 150  | 20   | 100  |  |      |
| 1500                               | 3000  | 120                                | 300   | 60   | 225   | 30   | 150  |  |  |      |