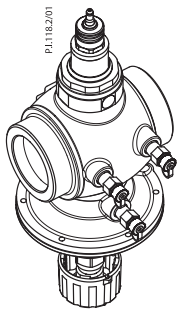
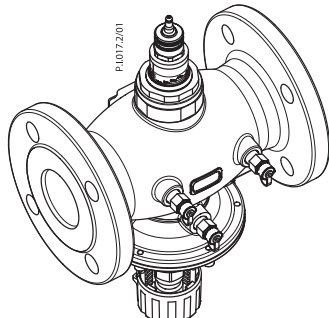


Operating Guide

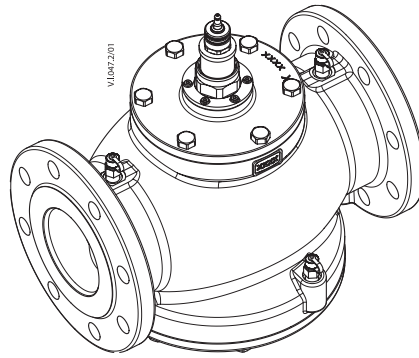
# AB-QM DN 40-100



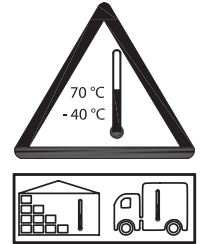
DN 40/50



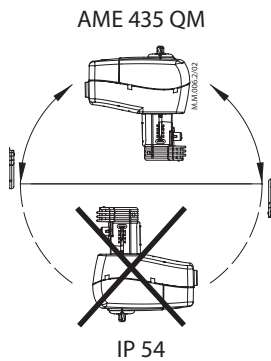
DN 50



DN 65-100

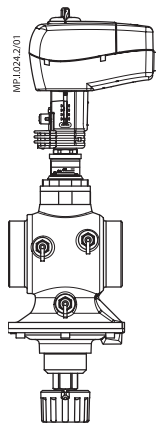


Installation / Montering / Einbau / Installation / Installatie / Installation / Asennus / Montaż / Uzstādīšana / Beépítés / Montaj / Монтаж / Instalace / 安装 / Vgradnja / Instalación / Montavimas

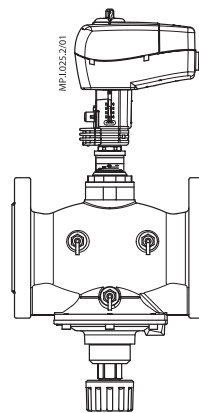


AME 435 QM

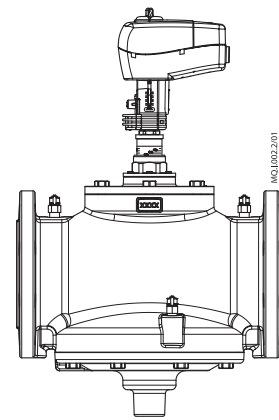
IP 54



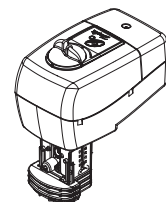
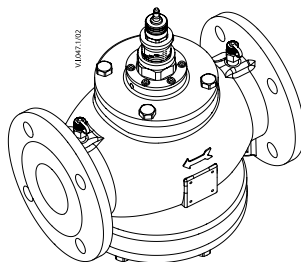
DN 40/50



DN 50



DN 65-100



AME 435 QM

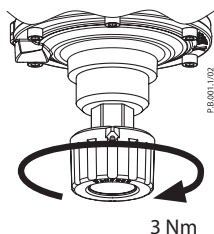


Code No.: 003Z0695

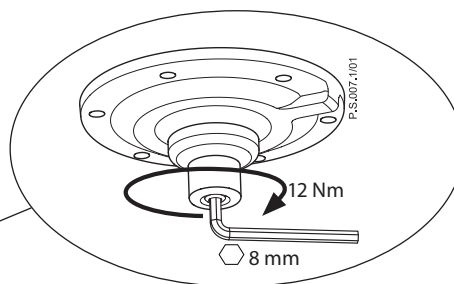
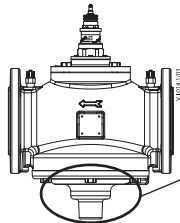
## AB-QM DN 40-100

Shut off / Afspærring / Absperrung / Fermeture / Afsluiten / Avstängning / Sulkuventtiili / Funkcja odcięcia / Aizvēršana / Elzárás /  
КАПАМА / Отключение / Uzavření / 关闭 / Zapiranje pretoka / Corte / Uždarymas

**DN 40, DN 50**  
 $\Delta p_{\max} = 16 \text{ bar}$



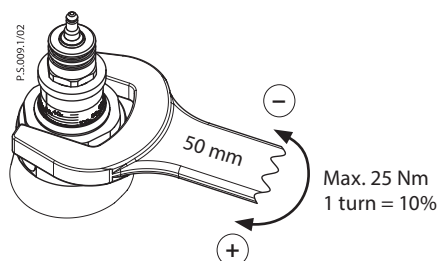
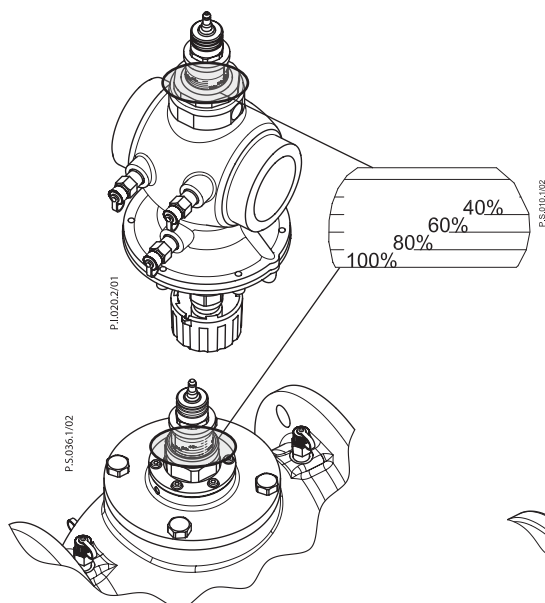
**DN 65-100**  
 $\Delta p_{\max} = 16 \text{ bar}$



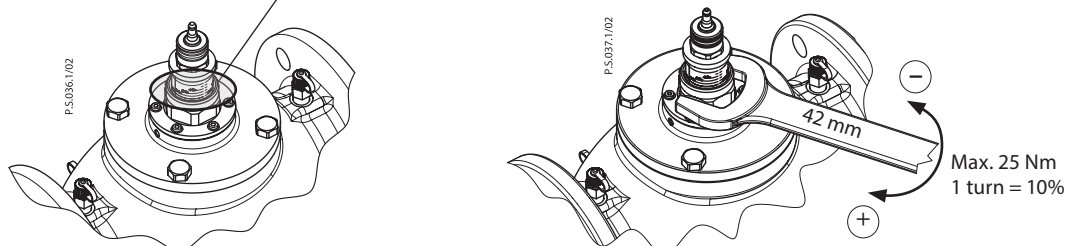
Setting / Indstilling / Einstellung / Réglage / Instelling / Inställning / Asettelu / Wykonywanie nastawy / Iestādījumi / Beállítás /  
Ayarlama / Настройка / Nastavení / 设定 / Nastavitev / Ajuste / Nustatymas

**Note:** best before applying pressure

**DN 40/50**

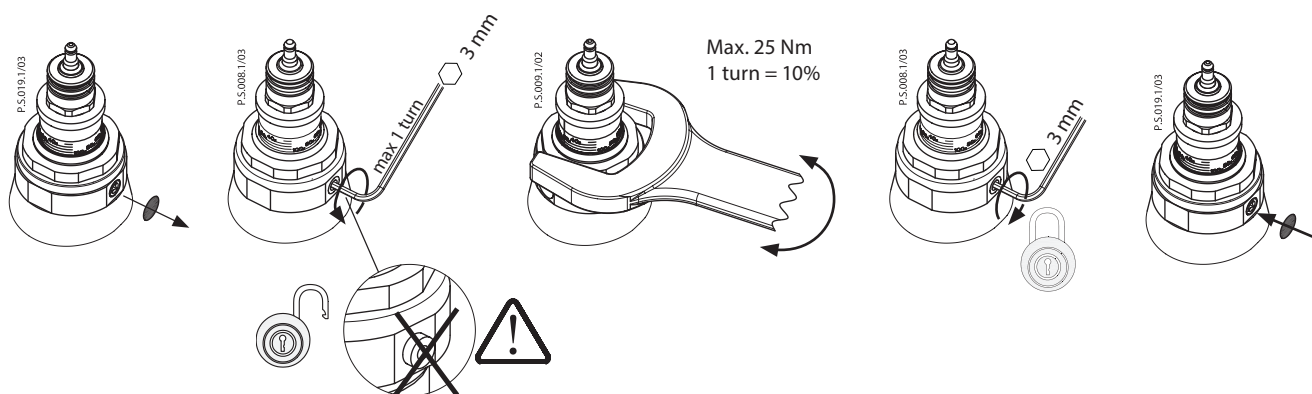


**DN 65-100**



Resetting

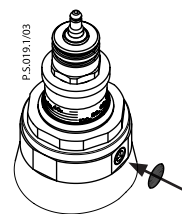
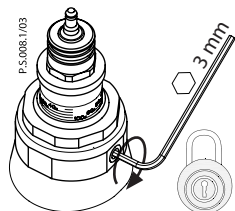
**DN 40-100**



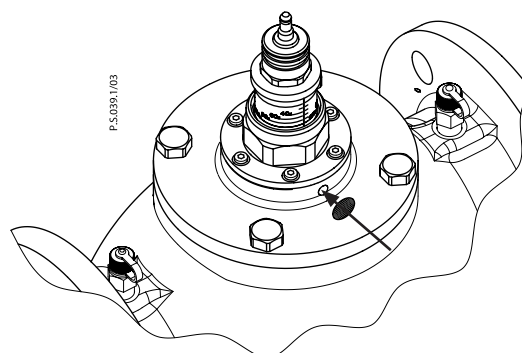
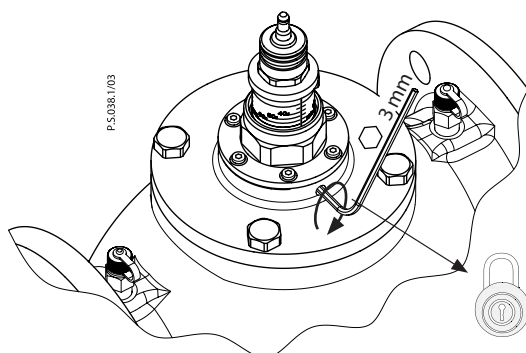
## AB-QM DN 40-100

Locking / Låsning / Blockierung / Verrouillage / Vergrendelen / Låsning / Lukitseminen / Blokowanie nastawy / Noslėgšana / Korlátozás / Kilitle / Блокировка / Uzamykáni / 锁定 / Blokiranje / Bloqueo / Blokavimas

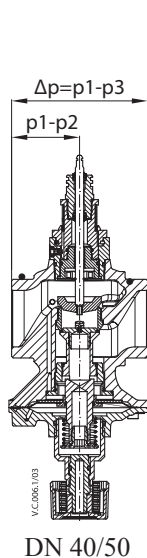
### DN 40/50



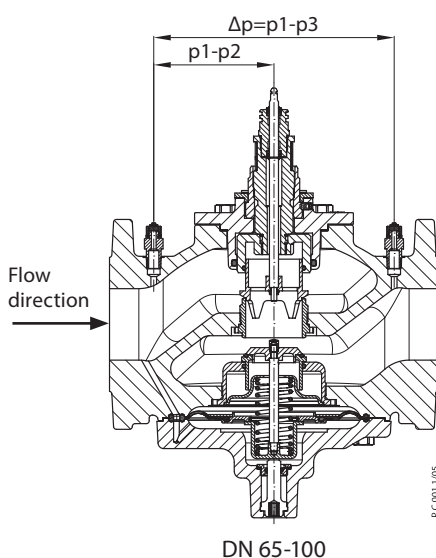
### DN 65-100



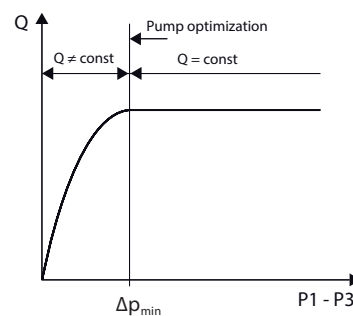
Measuring / Måling / Messung / Measure / Meten / Mätning / Mittaaminen / Wykonywanie pomiarów / Mėřšana / Mérés / Ölçüm / Измерение / Měření / 測量 / Merjenje / Medida / Matavimas



DN 40/50



DN 65-100



## AB-QM DN 40-100



-10...120 °C



PN 16

 $\Delta p_{\max.} = 600 \text{ kPa (6 bar)}$ 

| DN 40 | L/h   | L/s   | GPM  |
|-------|-------|-------|------|
| 20%   | 1,500 | 0.416 | 6.6  |
| 25%   | 1,875 | 0.520 | 8.3  |
| 30%   | 2,250 | 0.625 | 9.9  |
| 35%   | 2,625 | 0.729 | 11.6 |
| 40%   | 3,000 | 0.833 | 13.2 |
| 45%   | 3,375 | 0.937 | 14.9 |
| 50%   | 3,750 | 1.041 | 16.5 |
| 55%   | 4,125 | 1.145 | 18.2 |
| 60%   | 4,500 | 1.250 | 19.8 |
| 65%   | 4,875 | 1.354 | 21.5 |
| 70%   | 5,250 | 1.458 | 23.1 |
| 75%   | 5,625 | 1.562 | 24.8 |
| 80%   | 6,000 | 1.666 | 26.4 |
| 85%   | 6,375 | 1.770 | 28.1 |
| 90%   | 6,750 | 1.875 | 29.7 |
| 95%   | 7,125 | 1.979 | 31.4 |
| 100%  | 7,500 | 2.083 | 33.0 |

Note: 1 turn = 10%

| DN 50 | L/h    | L/s   | GPM  |
|-------|--------|-------|------|
| 40%   | 5,000  | 1.386 | 22.0 |
| 45%   | 5,625  | 1.562 | 24.8 |
| 50%   | 6,250  | 1.736 | 27.5 |
| 55%   | 6,875  | 1.909 | 30.3 |
| 60%   | 7,500  | 2.083 | 33.0 |
| 65%   | 8,125  | 2.256 | 35.8 |
| 70%   | 8,750  | 2.430 | 38.5 |
| 75%   | 9,375  | 2.604 | 41.3 |
| 80%   | 10,000 | 2.777 | 44.0 |
| 85%   | 10,625 | 2.951 | 46.8 |
| 90%   | 11,250 | 3.125 | 49.5 |
| 95%   | 11,875 | 3.298 | 52.3 |
| 100%  | 12,500 | 3.472 | 55.0 |

Note: 1 turn = 10%

| DN 65 | Flow   |      |      | High Flow |      |       |
|-------|--------|------|------|-----------|------|-------|
|       | L/h    | L/s  | GPM  | L/h       | L/s  | GPM   |
| 40%   | 8,000  | 2.22 | 35.2 | 10,000    | 2.78 | 44.0  |
| 45%   | 9,000  | 2.50 | 39.6 | 11,250    | 3.13 | 49.5  |
| 50%   | 10,000 | 2.78 | 44.0 | 12,500    | 3.47 | 55.0  |
| 55%   | 11,000 | 3.06 | 48.4 | 13,750    | 3.82 | 60.5  |
| 60%   | 12,000 | 3.33 | 52.8 | 15,000    | 4.17 | 66.0  |
| 65%   | 13,000 | 3.61 | 57.2 | 16,250    | 4.51 | 71.5  |
| 70%   | 14,000 | 3.89 | 61.6 | 17,500    | 4.86 | 77.0  |
| 75%   | 15,000 | 4.17 | 66.0 | 18,750    | 5.21 | 82.5  |
| 80%   | 16,000 | 4.44 | 70.4 | 20,000    | 5.56 | 88.0  |
| 85%   | 17,000 | 4.72 | 74.9 | 21,250    | 5.90 | 93.5  |
| 90%   | 18,000 | 5.00 | 79.3 | 22,500    | 6.25 | 99.0  |
| 95%   | 19,000 | 5.28 | 83.7 | 23,750    | 6.60 | 104.5 |
| 100%  | 20,000 | 5.56 | 88.1 | 25,000    | 6.94 | 110.0 |

Note: 1 turn = 10%

| DN 80 | Flow   |      |       | High Flow |       |       |
|-------|--------|------|-------|-----------|-------|-------|
|       | L/h    | L/s  | GPM   | L/h       | L/s   | GPM   |
| 40%   | 11,200 | 3.11 | 49.3  | 16,000    | 4.44  | 70.5  |
| 45%   | 12,600 | 3.50 | 55.5  | 18,000    | 5.00  | 79.3  |
| 50%   | 14,000 | 3.89 | 61.6  | 20,000    | 5.56  | 88.1  |
| 55%   | 15,400 | 4.23 | 67.8  | 22,000    | 6.11  | 96.9  |
| 60%   | 16,800 | 4.67 | 74.0  | 24,000    | 6.67  | 105.7 |
| 65%   | 18,200 | 5.10 | 80.1  | 26,000    | 7.22  | 114.5 |
| 70%   | 19,600 | 5.44 | 86.3  | 28,000    | 7.78  | 123.3 |
| 75%   | 21,000 | 5.83 | 92.5  | 30,000    | 8.33  | 132.2 |
| 80%   | 22,400 | 6.22 | 98.6  | 32,000    | 8.89  | 141.0 |
| 85%   | 23,800 | 6.61 | 104.8 | 34,000    | 9.44  | 149.8 |
| 90%   | 25,200 | 7.00 | 111.0 | 36,000    | 10.00 | 158.6 |
| 95%   | 26,600 | 7.39 | 117.1 | 38,000    | 10.56 | 167.4 |
| 100%  | 28,000 | 7.78 | 123.3 | 40,000    | 11.11 | 176.2 |

Note: 1 turn = 10%

| DN 100 | Flow   |       |       | High Flow |       |       |
|--------|--------|-------|-------|-----------|-------|-------|
|        | L/h    | L/s   | GPM   | L/h       | L/s   | GPM   |
| 40%    | 15,200 | 4.22  | 67.0  | 23,600    | 6.56  | 104.0 |
| 45%    | 17,100 | 4.75  | 75.3  | 26,550    | 7.38  | 117.0 |
| 50%    | 19,000 | 5.28  | 83.7  | 29,500    | 8.19  | 130.0 |
| 55%    | 20,900 | 5.81  | 92.1  | 32,450    | 9.01  | 143.0 |
| 60%    | 22,800 | 6.33  | 100.4 | 35,400    | 9.83  | 155.9 |
| 65%    | 24,700 | 6.86  | 108.8 | 38,350    | 10.65 | 168.9 |
| 70%    | 26,600 | 7.39  | 117.2 | 41,300    | 11.47 | 181.9 |
| 75%    | 28,500 | 7.92  | 125.6 | 44,250    | 12.29 | 194.9 |
| 80%    | 30,400 | 8.44  | 133.9 | 47,200    | 13.11 | 207.9 |
| 85%    | 32,300 | 8.97  | 142.3 | 50,150    | 13.93 | 220.9 |
| 90%    | 34,200 | 9.50  | 150.7 | 53,100    | 14.75 | 233.9 |
| 95%    | 36,100 | 10.03 | 159.0 | 56,050    | 15.57 | 246.9 |
| 100%   | 38,000 | 10.56 | 167.4 | 59,000    | 16.39 | 259.9 |

Note: 1 turn = 10%