

# WEY PLATTENSCHIEBER DBE WEY KNIFE GATE VALVE DBE

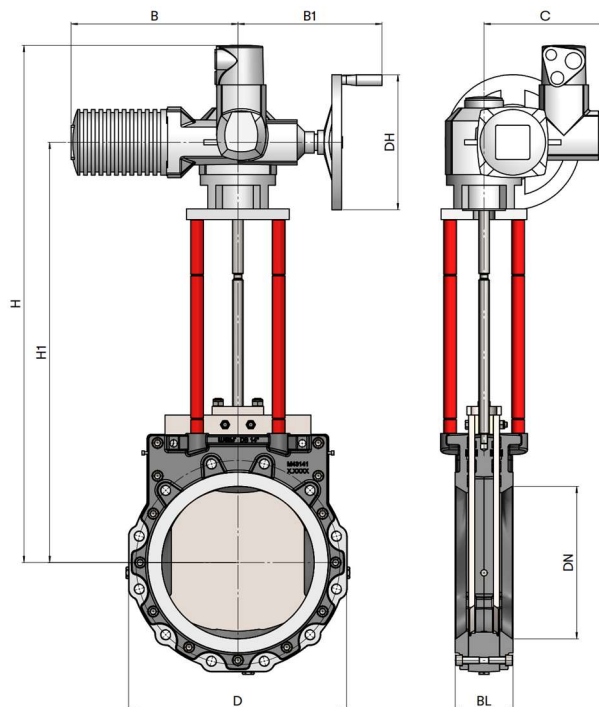


## Datenblatt / Data sheet

2.54.250900\_d\_e

### DN 80 – 600 / NPS 3" – 24"

- Antrieb / Actuation: Elektr. Drehantrieb, 3x400V  
Drehstrom, 50Hz,  
nichtsteigende Spindel /  
Electr. multi-turn actuator,  
3x400V three-phase, 50Hz,  
non-rising stem
- Flanschbohrung / Flange drilling: ANSI B16.5-150
- Baulänge / Face-to-Face: Sonder / Special
- Nenndruck / Nominal pressure:
  - DN 80-300 / NPS 3"-12" 10 bar / 150 psi
  - DN 350-600 / NPS 14"-24" 6 bar / 90 psi
- Dichtheitsprüfung gemäss: EN 12266-1, Leckrate A  
Leak test acc. to: EN 12266-1, leak rate A



### Generelle Abmessungen / General dimensions [mm]

| DN   | NPS  | D    | BL   | SA           | H    | H1   | DH   | B    | B1   | C    | Gew. / lb. |
|------|------|------|------|--------------|------|------|------|------|------|------|------------|
| [mm] | [in] | [mm] | [mm] | [-]          | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [kg]       |
| 80   | 3"   | 162  | 82   | <b>07.2'</b> | 557  | 347  | 160  | 265  | 249  | 238  | 36         |
| 100  | 4"   | 208  | 87   | <b>07.2'</b> | 682  | 472  | 160  | 265  | 249  | 238  | 43         |
|      |      |      |      | 07.6'        | 682  | 472  | 160  | 265  | 249  | 238  | 44         |
| 150  | 6"   | 263  | 100  | 07.2         | 784  | 574  | 160  | 265  | 249  | 238  | 61         |
|      |      |      |      | <b>07.6</b>  | 784  | 574  | 160  | 265  | 249  | 238  | 62         |
|      |      |      |      | 10.2         | 786  | 576  | 200  | 283  | 254  | 248  | 67         |
| 200  | 8"   | 316  | 113  | 07.2         | 887  | 677  | 160  | 265  | 249  | 238  | 76         |
|      |      |      |      | 07.6         | 887  | 677  | 160  | 265  | 249  | 238  | 77         |
|      |      |      |      | <b>10.2</b>  | 889  | 679  | 200  | 283  | 254  | 248  | 81         |
| 250  | 10"  | 390  | 120  | 07.6         | 976  | 766  | 160  | 265  | 249  | 238  | 106        |
|      |      |      |      | <b>10.2</b>  | 978  | 768  | 200  | 283  | 254  | 248  | 110        |
|      |      |      |      | 14.2'        | 1019 | 793  | 315  | 389  | 336  | 286  | 140        |
| 300  | 12"  | 457  | 128  | 07.6         | 1067 | 857  | 160  | 265  | 249  | 238  | 155        |
|      |      |      |      | 10.2         | 1069 | 859  | 200  | 283  | 254  | 248  | 159        |
|      |      |      |      | <b>14.2</b>  | 1110 | 884  | 315  | 389  | 336  | 286  | 189        |

Maximaler Arbeitsdruck ist abhängig von Mediumskategorie.  
Fett markierte Antriebe für max. Arbeitsdruck 10 bar / 6 bar  
bei Medium 1.  
Masse gem. Tabelle. Alle Angaben unverbindlich. Änderungen  
vorbehalten.

Maximum working pressure depends on the medium category.  
Actuators marked in bold for max. working pressure 10 bar / 6  
bar for medium 1.  
All dimensions acc. to table. All information non-binding.

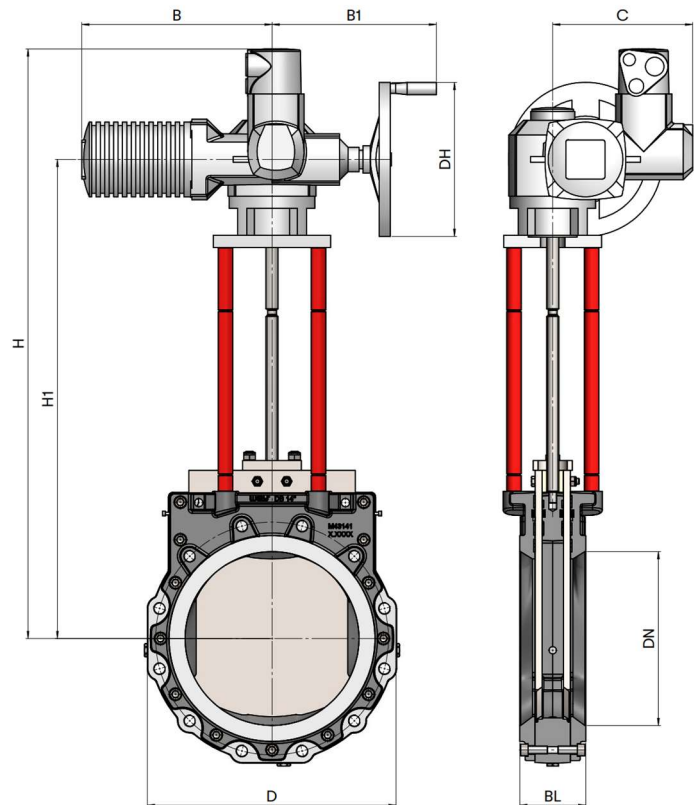
| DN   | NPS  | D    | BL   | SA          | H    | H1   | DH   | B    | B1   | C    | Gew. / lb. |
|------|------|------|------|-------------|------|------|------|------|------|------|------------|
| [mm] | [in] | [mm] | [mm] | [-]         | [mm] | [mm] | [mm] | [mm] | [mm] | [mm] | [kg]       |
| 350  | 14"  | 509  | 135  | 07.6        | 1163 | 953  | 160  | 265  | 249  | 238  | 197        |
|      |      |      |      | 10.2        | 1165 | 955  | 200  | 283  | 254  | 248  | 201        |
|      |      |      |      | <b>14.2</b> | 1206 | 980  | 315  | 389  | 336  | 286  | 231        |
| 400  | 16"  | 580  | 148  | 07.6        | 1250 | 1040 | 160  | 265  | 249  | 238  | 241        |
|      |      |      |      | 10.2        | 1252 | 1042 | 200  | 283  | 254  | 248  | 245        |
|      |      |      |      | <b>14.2</b> | 1293 | 1067 | 315  | 389  | 336  | 286  | 275        |
| 450  | 18"  | 623  | 157  | 10.2        | 1352 | 1142 | 200  | 283  | 254  | 248  | 321        |
|      |      |      |      | <b>14.2</b> | 1393 | 1167 | 315  | 389  | 336  | 286  | 351        |
|      |      |      |      | 14.6        | 1393 | 1167 | 400  | 389  | 339  | 286  | 356        |
| 500  | 20"  | 683  | 184  | 10.2        | 1432 | 1222 | 200  | 283  | 254  | 248  | 412        |
|      |      |      |      | 14.2        | 1473 | 1247 | 315  | 389  | 336  | 286  | 442        |
|      |      |      |      | <b>14.6</b> | 1473 | 1247 | 400  | 389  | 339  | 286  | 447        |
| 600  | 24"  | 796  | 192  | 14.2        | 1669 | 1443 | 315  | 389  | 336  | 286  | 640        |
|      |      |      |      | <b>14.6</b> | 1669 | 1443 | 400  | 389  | 339  | 286  | 645        |

<sup>1</sup> Antrieb um 45° gedreht / Actuator rotated by 45°

Maximaler Arbeitsdruck ist abhängig von Mediumskategorie.  
Fett markierte Antriebe für max. Arbeitsdruck 10 bar / 6 bar bei Medium 1.  
Masse gem. Tabelle. Alle Angaben unverbindlich. Änderungen vorbehalten.

Maximum working pressure depends on the medium category.  
Actuators marked in bold for max. working pressure 10 bar / 6 bar for medium 1.  
All dimensions acc. to table. All information non-binding.

## Generelle Abmessungen / General dimensions [in]



| DN   | NPS  | D     | BL   | SA           | H     | H1    | DH    | B     | B1    | C     | Gew. / lb. |
|------|------|-------|------|--------------|-------|-------|-------|-------|-------|-------|------------|
| [mm] | [in] | [in]  | [in] | [-]          | [in]  | [in]  | [in]  | [in]  | [in]  | [in]  | [lbs]      |
| 80   | 3"   | 6.38  | 3.23 | <b>07.2'</b> | 21.93 | 13.66 | 6.30  | 10.43 | 9.80  | 9.37  | 79.4       |
| 100  | 4"   | 8.19  | 3.43 | <b>07.2'</b> | 26.85 | 18.58 | 6.30  | 10.43 | 9.80  | 9.37  | 94.8       |
|      |      |       |      | 07.6'        | 26.85 | 18.58 | 6.30  | 10.43 | 9.80  | 9.37  | 97.0       |
| 150  | 6"   | 10.35 | 3.94 | 07.2         | 30.87 | 22.60 | 6.30  | 10.43 | 9.80  | 9.37  | 134.5      |
|      |      |       |      | <b>07.6</b>  | 30.87 | 22.60 | 6.30  | 10.43 | 9.80  | 9.37  | 136.7      |
|      |      |       |      | 10.2         | 30.94 | 22.68 | 7.87  | 11.14 | 10.00 | 9.76  | 147.7      |
| 200  | 8"   | 12.44 | 4.45 | 07.2         | 34.92 | 26.65 | 6.30  | 10.43 | 9.80  | 9.37  | 167.6      |
|      |      |       |      | 07.6         | 34.92 | 26.65 | 6.30  | 10.43 | 9.80  | 9.37  | 169.8      |
|      |      |       |      | <b>10.2</b>  | 35.00 | 26.73 | 7.87  | 11.14 | 10.00 | 9.76  | 178.6      |
| 250  | 10"  | 15.35 | 4.72 | 07.6         | 38.43 | 30.16 | 6.30  | 10.43 | 9.80  | 9.37  | 233.7      |
|      |      |       |      | <b>10.2</b>  | 38.50 | 30.24 | 7.87  | 11.14 | 10.00 | 9.76  | 242.6      |
|      |      |       |      | 14.2'        | 40.12 | 31.22 | 12.40 | 15.31 | 13.23 | 11.26 | 308.7      |
| 300  | 12"  | 17.99 | 5.04 | 07.6         | 42.01 | 33.74 | 6.30  | 10.43 | 9.80  | 9.37  | 341.8      |
|      |      |       |      | 10.2         | 42.09 | 33.82 | 7.87  | 11.14 | 10.00 | 9.76  | 350.6      |
|      |      |       |      | <b>14.2</b>  | 43.70 | 34.80 | 12.40 | 15.31 | 13.23 | 11.26 | 416.7      |

Maximaler Arbeitsdruck ist abhängig von Mediumskategorie.  
Fett markierte Antriebe für max. Arbeitsdruck 10 bar / 6 bar bei Medium 1.  
Masse gem. Tabelle. Alle Angaben unverbindlich. Änderungen vorbehalten.

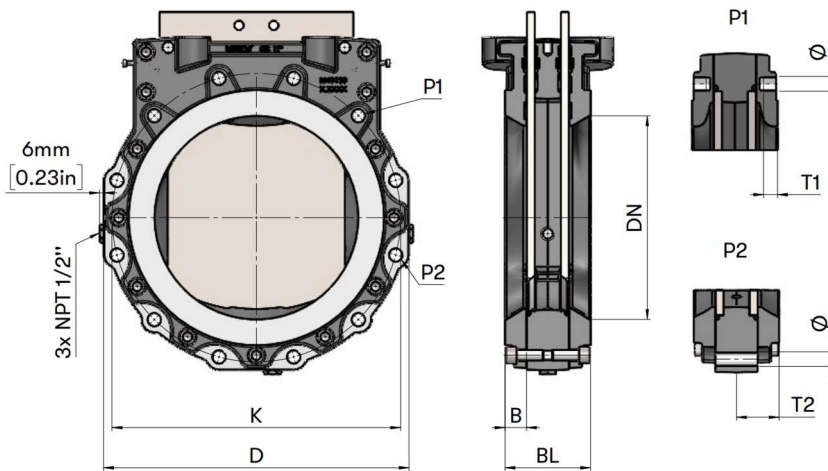
Maximum working pressure depends on the medium category.  
Actuators marked in bold for max. working pressure 10 bar / 6 bar for medium 1.  
All dimensions acc. to table. All information non-binding.

| DN   | NPS  | D     | BL   | SA          | H     | H1    | DH    | B     | B1    | C     | Gew. / lb. |
|------|------|-------|------|-------------|-------|-------|-------|-------|-------|-------|------------|
| [mm] | [in] | [in]  | [in] | [-]         | [in]  | [in]  | [in]  | [in]  | [in]  | [in]  | [lbs]      |
| 350  | 14"  | 20.04 | 5.31 | 07.6        | 45.79 | 37.52 | 6.30  | 10.43 | 9.80  | 9.37  | 434.4      |
|      |      |       |      | 10.2        | 45.87 | 37.60 | 7.87  | 11.14 | 10.00 | 9.76  | 443.2      |
|      |      |       |      | <b>14.2</b> | 47.48 | 38.58 | 12.40 | 15.31 | 13.23 | 11.26 | 509.4      |
| 400  | 16"  | 22.83 | 5.83 | 07.6        | 49.21 | 40.94 | 6.30  | 10.43 | 9.80  | 9.37  | 531.4      |
|      |      |       |      | 10.2        | 49.29 | 41.02 | 7.87  | 11.14 | 10.00 | 9.76  | 540.2      |
|      |      |       |      | <b>14.2</b> | 50.91 | 42.01 | 12.40 | 15.31 | 13.23 | 11.26 | 606.4      |
| 450  | 18"  | 24.53 | 6.18 | 10.2        | 53.23 | 44.96 | 7.87  | 11.14 | 10.00 | 9.76  | 707.8      |
|      |      |       |      | <b>14.2</b> | 54.84 | 45.94 | 12.40 | 15.31 | 13.23 | 11.26 | 774.0      |
|      |      |       |      | 14.6        | 54.84 | 45.94 | 15.75 | 15.31 | 13.35 | 11.26 | 785.0      |
| 500  | 20"  | 26.89 | 7.24 | 10.2        | 56.38 | 48.11 | 7.87  | 11.14 | 10.00 | 9.76  | 908.5      |
|      |      |       |      | 14.2        | 57.99 | 49.09 | 12.40 | 15.31 | 13.23 | 11.26 | 974.6      |
|      |      |       |      | <b>14.6</b> | 57.99 | 49.09 | 15.75 | 15.31 | 13.35 | 11.26 | 985.6      |
| 600  | 24"  | 31.34 | 7.56 | 14.2        | 65.71 | 56.81 | 12.40 | 15.31 | 13.23 | 11.26 | 1411.2     |
|      |      |       |      | <b>14.6</b> | 65.71 | 56.81 | 15.75 | 15.31 | 13.35 | 11.26 | 1422.2     |

<sup>1</sup> Antrieb um 45° gedreht / Actuator rotated by 45°

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Fett markierte Antriebe für max. Arbeitsdruck 10 bar / 6 bar bei Medium 1.  
Masse gem. Tabelle. Alle Angaben unverbindlich. Änderungen vorbehalten.

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Actuators marked in bold for max. working pressure 10 bar / 6 bar for medium 1.  
All dimensions acc. to table. All information non-binding.



### Flanschabmessungen / Flange dimensions [mm/in]

| ANSI B16.5-150 |      |      |      |       |       |       |         |             |         |             |
|----------------|------|------|------|-------|-------|-------|---------|-------------|---------|-------------|
| DN / NPS       |      | D    | BL   | B     | K     | Ø     | T1 (P1) |             | T2 (P2) |             |
| [mm]           | [in] | [mm] | [mm] | [mm]  | [mm]  | UNC   | [mm]    | [Anz./Qty.] | [mm]    | [Anz./Qty.] |
| 80             | 3"   | 162  | 82   | 22.75 | 152.4 | 5/8   | -       | -           | 40      | 4           |
| 100            | 4"   | 208  | 87   | 22.75 | 190.5 | 5/8   | 21      | 2           | 43      | 6           |
| 150            | 6"   | 263  | 100  | 24.75 | 241.3 | 3/4   | 24.5    | 2           | 49      | 6           |
| 200            | 8"   | 316  | 113  | 31.25 | 298.5 | 3/4   | 31      | 2           | 56      | 6           |
| 250            | 10"  | 390  | 120  | 30.25 | 362   | 7/8   | 30      | 4           | 59      | 8           |
| 300            | 12"  | 457  | 128  | 32.25 | 431.8 | 7/8   | 21      | 4           | 63      | 8           |
| 350            | 14"  | 509  | 135  | 31.25 | 476.3 | 1     | 19      | 4           | 67      | 8           |
| 400            | 16"  | 579  | 148  | 37.75 | 539.8 | 1     | 22      | 4           | 73      | 12          |
| 450            | 18"  | 623  | 157  | 35.75 | 577.9 | 1 1/8 | 25      | 6           | 78      | 10          |
| 500            | 20"  | 683  | 184  | 47.25 | 635   | 1 1/8 | 33      | 6           | 92      | 14          |
| 600            | 24"  | 796  | 192  | 43.25 | 749.3 | 1 1/4 | 30      | 8           | 95      | 14          |

| ANSI B16.5-150 |      |       |      |      |       |       |         |             |         |             |
|----------------|------|-------|------|------|-------|-------|---------|-------------|---------|-------------|
| DN / NPS       |      | D     | BL   | B    | K     | Ø     | T1 (P1) |             | T2 (P2) |             |
| [mm]           | [in] | [in]  | [in] | [in] | [in]  | UNC   | [in]    | [Anz./Qty.] | [in]    | [Anz./Qty.] |
| 80             | 3"   | 6.38  | 3.23 | 0.9  | 6     | 5/8   | -       | -           | 1.57    | 4           |
| 100            | 4"   | 8.19  | 3.43 | 0.9  | 7.5   | 5/8   | 0.83    | 2           | 1.69    | 6           |
| 150            | 6"   | 10.35 | 3.94 | 0.97 | 9.5   | 3/4   | 0.97    | 2           | 1.93    | 6           |
| 200            | 8"   | 12.44 | 4.45 | 1.23 | 11.75 | 3/4   | 1.22    | 2           | 2.2     | 6           |
| 250            | 10"  | 15.35 | 4.72 | 1.18 | 14.25 | 7/8   | 1.18    | 4           | 2.32    | 8           |
| 300            | 12"  | 17.99 | 5.04 | 1.27 | 17    | 7/8   | 0.83    | 4           | 2.48    | 8           |
| 350            | 14"  | 20.04 | 5.31 | 1.23 | 18.75 | 1     | 0.75    | 4           | 2.64    | 8           |
| 400            | 16"  | 22.36 | 5.83 | 1.49 | 21.25 | 1     | 0.87    | 4           | 2.87    | 12          |
| 450            | 18"  | 24.53 | 6.18 | 1.41 | 22.75 | 1 1/8 | 0.98    | 6           | 3.07    | 10          |
| 500            | 20"  | 26.89 | 7.27 | 1.86 | 6     | 1 1/8 | 1.3     | 6           | 3.62    | 14          |
| 600            | 24"  | 31.34 | 7.56 | 1.7  | 7.5   | 1 1/4 | 1.18    | 8           | 3.74    | 14          |

P1 Position Flanschbohrungen im Brustbereich / Position flange holes in chest area

P2 Position Flanschbohrungen **ausserhalb** Brustbereich / Position flange holes **outside of** chestarea