



**ABS Wafer-style intermediate installation butterfly valve type 145**  
**With electric actuator 24V**  
**Without manual override**  
**Flange standard metric/ANSI/BS/JIS**

**Model:**

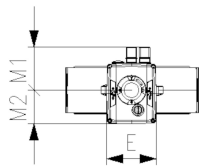
- Voltage 24V AC/DC
- Factory set control range 90°<
- Heating element, position feedback (Open/Close/ Middle)
- Overall length according to EN 558, ISO 5752 (DN50-200 line 25, DN250-300 line 16)
- Connecting dimension: ISO 7005 PN 10, EN 1092 PN 10, DIN 2501 PN 10, ANSI/ASME B 16.5 Class 150, BS 1560: 1989, BS 4504, JIS B 2220

**Option:**

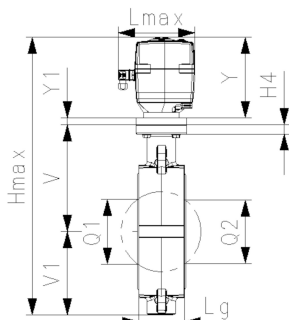
- Other valve and actuator configurations available
- Optional accessories: Fail-safe return unit, Monitoring board, Position controller, Profibus DP board

**Note:**

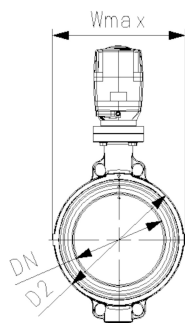
For some material combination (e.g. DN300 valves with PE/PP pipes) special flange adapters are needed. Please check the "Perfect flange connection tool" on [www.gfps.com](http://www.gfps.com)



| d    | Size   | DN   | PN    | kv-value            | EPDM        | Weight |
|------|--------|------|-------|---------------------|-------------|--------|
| (mm) | (inch) | (mm) | (bar) | ( $\Delta p=1$ bar) | Code        | (kg)   |
|      |        |      |       | (l/min)             |             |        |
| 63   | 2      | 50   | 10    | 740                 | 199 145 542 | 4.178  |
| 75   | 2 1/2  | 65   | 10    | 1500                | 199 145 543 | 3.217  |
| 90   | 3      | 80   | 10    | 2400                | 199 145 544 | 4.359  |
| 110  | 4      | 100  | 10    | 3800                | 199 145 545 | 4.895  |
| 140  | 5      | 125  | 10    | 8600                | 199 145 546 | 4.376  |
| 160  | 6      | 150  | 10    | 11400               | 199 145 547 | 6.218  |
| 225  | 8      | 200  | 10    | 19900               | 199 145 548 | 12.029 |
| 280  | 10     | 250  | 6     | 34000               | 199 145 549 | 14.334 |
| 315  | 12     | 300  | 4     | 50000               | 199 145 550 | 19.546 |



| d    | Hmax  | Lmax | Wmax  | U    | V     | H4   | V1    | Lg   | D2   | Q1   | Q2   | Y     | E     | Y1   |
|------|-------|------|-------|------|-------|------|-------|------|------|------|------|-------|-------|------|
| (mm) | (mm)  | (mm) | (mm)  | (mm) | (mm)  | (mm) | (mm)  | (mm) | (mm) | (mm) | (mm) | (mm)  | (mm)  | (mm) |
| 63   | 393.3 | 190  | 118.4 | 90   | 133.3 | 23   | 78.8  | 45   | 104  | 40   |      | 166.2 | 122.3 | 15   |
| 75   | 406.2 | 190  | 132.5 | 90   | 139.9 | 23   | 85.1  | 46   | 115  | 54   | 35   | 166.2 | 122.3 | 15   |
| 90   | 426.1 | 190  | 136.8 | 90   | 145.6 | 23   | 91.2  | 49   | 131  | 67   | 50   | 189.3 | 122.3 |      |
| 110  | 461.4 | 190  | 161.0 | 90   | 166.4 | 23   | 105.7 | 56   | 161  | 88   | 74   | 189.3 | 122.3 |      |
| 140  | 488.1 | 190  | 187.0 | 90   | 180.0 | 23   | 118.8 | 64   | 187  | 113  | 97   | 189.3 | 122.3 |      |
| 160  | 509.2 | 190  | 215.0 | 90   | 189.0 | 23   | 130.9 | 72   | 215  | 139  | 123  | 189.3 | 122.3 |      |
| 225  | 568.1 | 190  | 267.0 | 90   | 210.5 | 23   | 158.3 | 73   | 267  | 178  | 169  | 199.3 | 122.3 |      |
| 280  | 685.0 | 190  | 329.0 | 125  | 262.6 | 23   | 206.1 | 113  | 329  | 210  | 207  | 199.3 | 122.3 | 17   |
| 315  | 729.4 | 190  | 380.4 | 125  | 284.3 | 23   | 228.8 | 113  | 379  | 256  | 253  | 199.3 | 122.3 | 17   |



| d    | M1    | M2   |
|------|-------|------|
| (mm) | (mm)  | (mm) |
| 63   | 107.3 | 82.7 |
| 75   | 107.3 | 82.7 |
| 90   | 107.3 | 82.7 |
| 110  | 107.3 | 82.7 |
| 140  | 107.3 | 82.7 |
| 160  | 107.3 | 82.7 |
| 225  | 107.3 | 82.7 |
| 280  | 107.3 | 82.7 |
| 315  | 107.3 | 82.7 |

# Data sheet

valid from: 2/8/25



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