

2/2 Way Piston Actuated Valve G 1/2" to 3/4", Compact Version – Stainless Steel

| Specifications | |
|---|---|
| Type: PG NC flow over seat 1 → 2 | |
| Type RPG: NO flow under seat 2 → 1 | |
| Type: BPG NC bi-directional flow over/under seat 1 → 2 / 2 → 1 | |
| Type: DPG DA flow over/under seat 1 ↔ 2 | |
| Media | Water, oil, air, aggressive media, steam ¹ |
| Media Temperature | -10 to +180 °C |
| Ambient Temperature | -10 to +60 °C |
| Pilot Media ² | Instrument air, inert gases |
| Body Material | Cast AISI 316L (CF3M), see page 7 |
| Bonnet Material | Cast AISI 316L (CF3M), see page 7 |
| Actuator Body Material | Polyamide + 30% glass fiber |
| Seal Material | PTFE |
| Position Indicator | As standard |

Features and Benefits

- Waterhammer-free design for BPG - DPG (with flow direction 2 → 1)
- Actuator housing rotation 360°
- Design suitable for vacuum applications up to 10⁻² mbar
- ATEX version available



CE Ex ATEX UK

Ex II 2 G Ex h IIC T6 T4 T5 Gb

Ex II 2 D Ex h IIIC T85°C T100°C T135°C Db

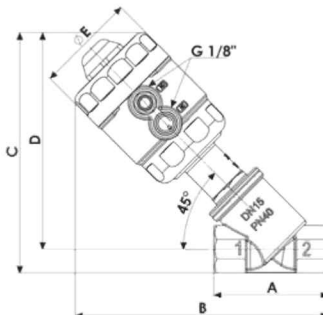
Options Available

NPT connection (e.g. code PN205CTW00)
ATEX version (e.g. code PG205TTW00)

Accessories

Position module, travel switch kit, pilot solenoid valves see pages 34/35/36

| Dimensions & Weights | | DN15 | DN20 |
|----------------------|------|------|------|
| Actuator | [mm] | Ø 45 | |
| A | [mm] | 65 | 75 |
| B | [mm] | 144 | 149 |
| C | [mm] | 136 | 142 |
| D | [mm] | 123 | 126 |
| E | [mm] | 57 | 57 |
| Weight | [kg] | 0.8 | 0.9 |



The products listed below comply with the requirements of the European Pressure Equipment Directive 2014/68/UE and carry the CE mark when required. The products fall within the following Pressure Equipment Directive categories:

| Bodies | Group 1 gases | Group 1 liquids and Group 2 other fluids |
|---------------------|---------------|--|
| DN15 to DN20 (PN40) | art. 4.3 | art. 4.3 |

WARNING!

According to the European Pressure Equipment Directive 2014/68/UE, liquids whose saturated vapour pressure at the maximum allowable temperature is more than 0,5 barg shall be considered as gases.

| Valve | Body Connection | DN | Flow Rate Kvs | Working Pressure ¹ Min. | Working Pressure ¹ Max. | Flow Direction | Pilot Pressure ³ Min. | Pilot Pressure ³ Max. | Actuator Ø | Function |
|-------------|-----------------|------|---------------|------------------------------------|------------------------------------|----------------|----------------------------------|----------------------------------|------------|------------------|
| Code | [ISO 228G] | [mm] | [l/min] | [barg] | [barg] | — | [barg] | [barg] | [mm] | — |
| PG205CTW00 | 1/2" | 15 | 75 | 0 | 16 | 1 → 2 | 3.8 | 10 | 45 | NC |
| PG206CTX00 | 3/4" | 20 | 133 | 0 | 16 | 1 → 2 | 5.8 | 10 | | |
| RPG205CTW00 | 1/2" | 15 | 75 | 0 | 16 | 2 → 1 | 4 | 10 | 45 | NO |
| RPG206CTX00 | 3/4" | 20 | 133 | 0 | 16 | 2 → 1 | 6.2 | 10 | | |
| BPG205CTW00 | 1/2" | 15 | 75 | 0 | 16 / 16 | 1 → 2 / 2 → 1 | 6.2 / 5 | 10 | 45 | NC bidirectional |
| BPG206CTX00 | 3/4" | 20 | 133 | 0 | 16 / 7 | 1 → 2 / 2 → 1 | 8.7 / 5 | 10 | | |
| DPG205CTW00 | 1/2" | 15 | 75 | 0 | 16 / 16 | 1 ↔ 2 | 3 | 10 | 45 | DA |
| DPG206CTX00 | 3/4" | 20 | 133 | 0 | 16 / 16 | 1 ↔ 2 | 5 | 10 | | |

Notes

1. Steam max. working pressure 10 bar (9 barg)
2. Please contact M&M sales Department for other pilot media
3. Minimum pilot pressure at the max. working pressure: for lower working pressures please refer to the comparative charts
4. Pav ATEX performances are the same as weather proof pav