

2/2 Way Piston Actuated Valve G 1/2" to 1" to Compact Version – Bronze

| Specifications | |
|---|-------------------------------------|
| Type: CG NC flow over seat 1 → 2 | |
| Type: RCG NO flow under seat 2 → 1 | |
| Type: BCG NC Bi-directional flow over/under seat 1 → 2 / 2 → 1 | |
| Type: DCG DA flow over/under seat 1 ↔ 2 | |
| Media | Water, oil, air, steam ¹ |
| Media Temperature | -10 to +180 °C |
| Ambient Temperature | -10 to +60 °C |
| Pilot Media ² | Instrument air, inert gases |
| Actuator Body Material | Polyamide + 30% glass fiber |
| Body Material | Bronze (CB491K EN1982) |
| Bonnet Material | Brass (CW617N EN12165) |
| Seal Material | PTFE |
| Position Indicator | As standard |

Features and Benefits

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



CE ATEX

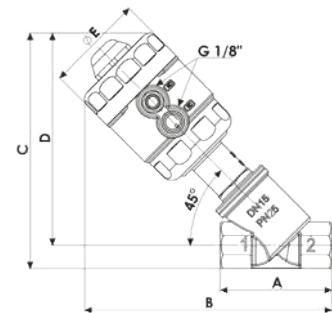
II 2 G Ex h IIC T6 T4 T5 Gb

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

| Options Available | |
|---------------------------------------|--|
| NPT Connection (e.g. code CN205CTW00) | |
| ATEX version (e.g. code CG205UTW00) | |

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

| Dimensions & Weights | | DN15 | DN20 | DN25 |
|----------------------|------|------|------|------|
| Actuator | [mm] | Ø 45 | | |
| A | [mm] | 65 | 75 | 90 |
| B | [mm] | 144 | 149 | 168 |
| C | [mm] | 136 | 142 | 161 |
| D | [mm] | 123 | 126 | 141 |
| E | [mm] | 57 | 57 | 57 |
| Weight | [kg] | 0.8 | 0.9 | 1.1 |



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 DN25 (PN25) | 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.

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| Valve | Body Connection | DN | Flow Rate Kvs | Working Pressure ¹ | | Flow Direction | Pilot Pressure ³ | | Actuator Ø | Function |
|-------------|-----------------|------|---------------|-------------------------------|---------|----------------|-----------------------------|--------|------------|---------------------|
| Code | [ISO 228G] | [mm] | [l/min] | [barg] | [barg] | — | [barg] | [barg] | [mm] | — |
| CG205CTW00 | 1/2" | 15 | 75 | 0 | 16 | 1 → 2 | 3.8 | 10 | 45 | NC |
| CG206CTX00 | 3/4" | 20 | 133 | 0 | 16 | 1 → 2 | 5.8 | 10 | | |
| CG207CTY00 | 1" | 25 | 208 | 0 | 16 | 1 → 2 | 6.5 | 10 | | |
| RCG205CTW00 | 1/2" | 15 | 75 | 0 | 16 | 2 → 1 | 4 | 10 | 45 | NO |
| RCG206CTX00 | 3/4" | 20 | 133 | 0 | 16 | 2 → 1 | 6.2 | 10 | | |
| RCG207CTY00 | 1" | 25 | 208 | 0 | 16 | 2 → 1 | 8.8 | 10 | | |
| BCG205CTW00 | 1/2" | 15 | 75 | 0 | 16 / 16 | 1 → 2 / 2 → 1 | 6.2 / 5 | 10 | 45 | NC bidirectional |
| BCG206CTX00 | 3/4" | 20 | 133 | 0 | 16 / 7 | 1 → 2 / 2 → 1 | 8.7 / 5 | 10 | | |
| BCG207CTY00 | 1" | 25 | 208 | 0 | 16 / 5 | 1 → 2 / 2 → 1 | 9.5 / 5 | 10 | | |
| DCG205CTW00 | 1/2" | 15 | 75 | 0 | 16 / 16 | 1 ↔ 2 | 3 | 10 | 45 | DA |
| DCG206CTX00 | 3/4" | 20 | 133 | 0 | 16 / 16 | 1 ↔ 2 | 5 | 10 | | |
| DCG207CTY00 | 1" | 25 | 208 | 0 | 16 / 16 | 1 ↔ 2 | 8.5 | 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