



Medium pressure governor realizing compactness/large flow rate with a unique structural design.

Medium pressure governor **C25N-B Series**

- City gas/LPG
- Port size: Inlet side 25A (JIS flange), outlet side 40A (JIS flange)



Features

- Compact and provides stable secondary pressure over a wide flow rate range.
- Adopts a double diaphragm structure with an eye to safety
- Innovative design.

When placing an order

The medium pressure governor is adjusted and shipped with a selection of parts used according to the primary pressure/secondary pressure/flow rate. When ordering, fill in a separate sheet medium pressure gas safety cutoff control system specifications check sheet (page 33). How to order differs depending on the specifications.

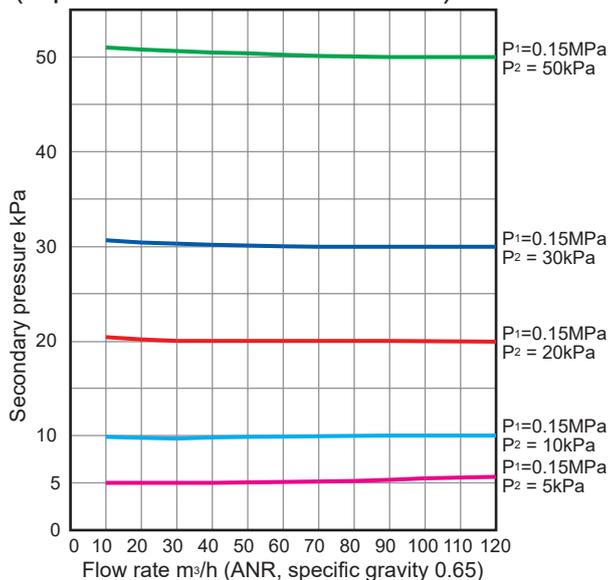
Specifications

| Item | C25N-B | |
|--|--------------------------|------------|
| Working fluid | City gas/LPG | |
| Working pressure MPa | 0.1 to 0.2 | 0.1 to 0.3 |
| Secondary pressure kPa | 1.5 to 5 | 5 to 60 |
| Secondary pressure fluctuation range % | Within 20 | |
| Flow rate <small>Specific gravity of city gas 0.65</small> m ³ /h (ANR) | 2 to 40 | 10 to 120 |
| Ambient temperature °C | -20 to +60 (no freezing) | |
| Mounting orientation | Unrestricted | |
| Connection | Flange (JIS10KRF) | |
| Port size | Inlet side | 25A |
| | Outlet side | 40A |
| Weight kg | 7.5 | |

* The secondary pressure range indicates the range that can be set by changing parts such as pressure control springs.

* Contact CKD when considering the use of a primary pressure of less than 0.1 MPa or a flow rate of more than 120 m³/h.

Governor characteristics (representative characteristics)



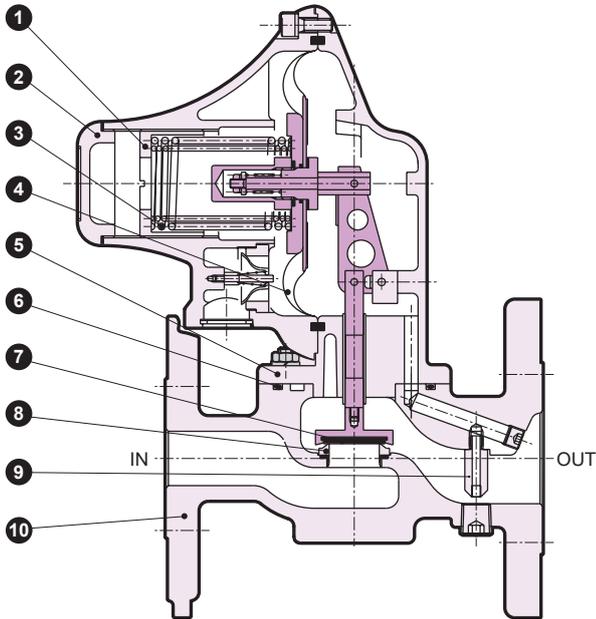
Reference: Conversion coefficient

Converted flow rate = (flow rate in table) x (coefficient)

| Gas | City gas (13A) | Propane | Butane |
|----------------------------|----------------|---------|--------|
| Specific gravity (air = 1) | 0.65 | 1.6 | 2.0 |
| Coefficient | 1.0 | 0.63 | 0.57 |

⚠ Do not open and close the cutoff valve on the downstream side of C25N-B.

Internal structure/material



Cannot be disassembled

| Part No. | Part name | Material |
|----------|-------------------------|---|
| 1 | Adjusting nut | Brass |
| 2 | Upper cap | Zinc die-casting |
| 3 | Pressure control spring | Piano wire (stainless steel wire) |
| 4 | Diaphragm | Nitrile rubber containing ground fabric |
| 5 | Case | Aluminum die-casting |
| 6 | O-ring | Nitrile rubber |
| 7 | Valve | Fluoro rubber |
| 8 | Orifice | Brass |
| 9 | Booster pipe | Brass |
| 10 | Body | Ductile cast iron |

Dimensions

● C25N-B

