

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.

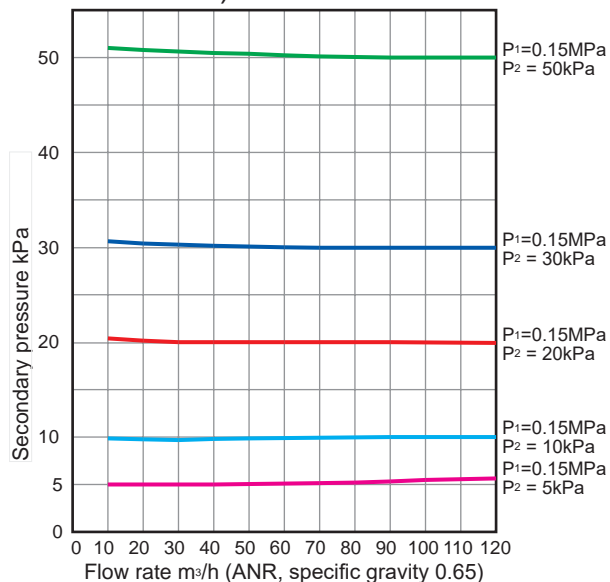
Specifications

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)



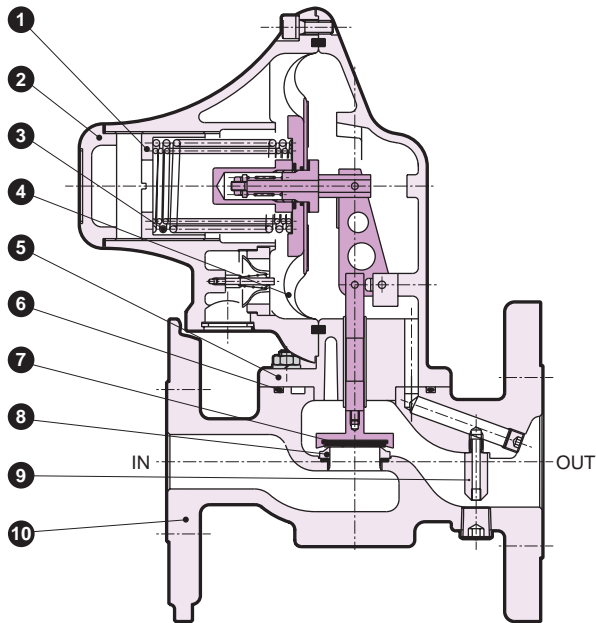
Reference: Conversion coefficient

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

