

Lightweight, compact and reliable safety shut-off valve that uses a solenoid valve drive method.

Medium pressure gas cutoff valve (quick open) **VNM Series**

- NC (Open when energized)
- City gas/LPG
- Port size: 25A (JIS flange)



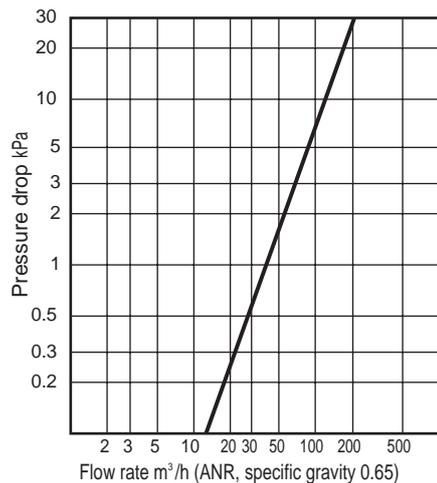
Features

- Equipped with a robust dedicated terminal box with JIS standard conduit thread, making electrical wiring easy too.
- The DC driven actuator with rectifier has eliminated noise and coil burnout for safety.
- Equipped with a pressure switch/pressure gage mountable connection port on the body
- With power indicator lamp

Specifications

Item	VNM-25
Working fluid	City gas/LPG
Working pressure MPa	0 to 0.3
Flow rate $\frac{\text{Specific gravity of city gas } 0.65}{P=0.25\text{MPa}}$ m ³ /h(ANR)	19
Cv	12.8
Rated voltage V	100 AC \pm 10% 200 AC \pm 10%
Frequency Hz	Common to 50 and 60
Power consumption (apparent power) VA	82
Ambient temperature °C	-20 to +60 (no freezing)
Opening time s	0.5 or less
Closing time s	1.0 or less
Frequency cycles/min.	30 or less
Mounting orientation	Vertical direction with the coil up or horizontal direction with the coil horizontal
Connection	Flange(JIS10KRF)
Port size	25 A
Weight kg	7.7
Proof pressure MPa	0.5
Degree of protection	IPX4

Flow characteristics

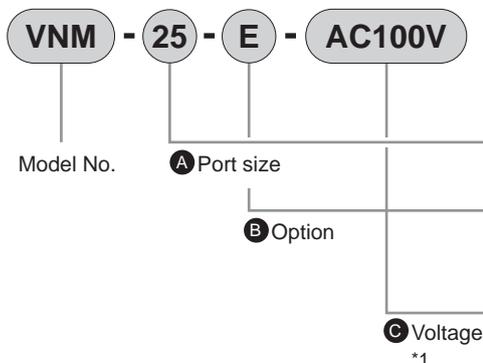


Reference: conversion coefficient

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

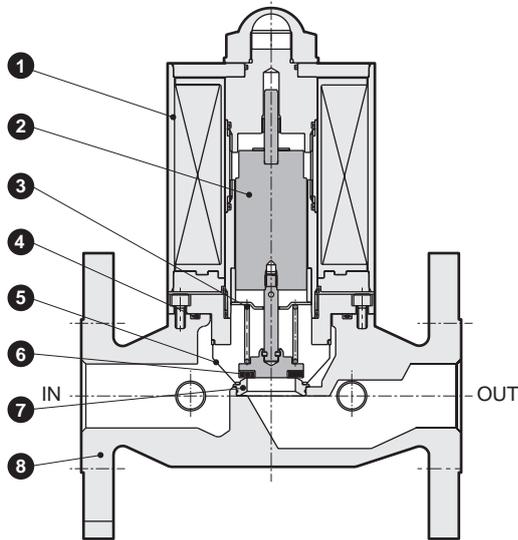
How to order



Code	Description
A Port size	
25	JIS flange 25A
B Option	
Blank	Standard
E	With operation confirmation micro switch
C Voltage	
AC100V	Standard
AC200V	
AC110V	Option
AC220V	
DC24V	

*1: For voltages other than above, contact CKD.

Internal structure and parts list

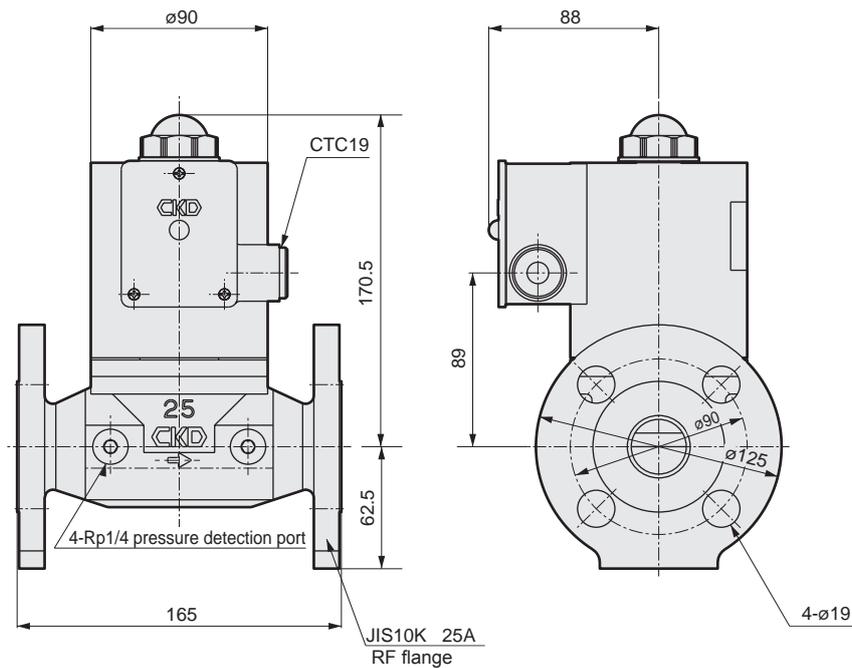


Cannot be disassembled

No.	Part name	Material
1	Bonnet	Steel
2	Plunger	Stainless steel
3	Spring	Stainless steel wire
4	O-ring	Fluoro rubber
5	Filter	Stainless steel wire
6	Valve disc	Urethane rubber
7	Valve seat	Stainless steel
8	Body	Ductile cast iron

Dimensions

● VNM-25



- EXA
- FWD
- HNB/G
- USB/G
- FAB/G
- FGB/G
- FVB
- FWB/G
- FHB
- FLB
- AB
- AG
- AP/AD
- APK/ADK
- DryAir
- EX-XPLNprf
- XPLNprf
- HVB/HVL
- S ϕ B/NAB
- LAD/NAD
- Water-Rela
- NP/NAP/NVP
- SNP
- CHB/G
- MXB/G
- Other valves
- SWD/MWD
- DustColl
- CVE/CVSE
- CCH/CPE/D
- LifeSci
- Gas-Combus
- Auto-Water
- Outdoor
- SpecFld
- Custom
- Ending