



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

Medium pressure gas cutoff valve (quick open)

VNM Series

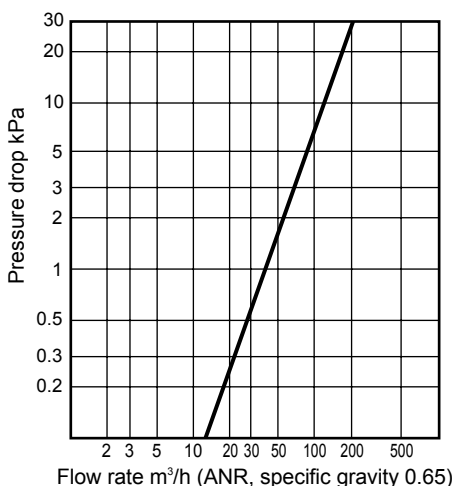
- City gas/natural gas/LPG
- Port size: 25A (JIS flange)

RoHS

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 gauge mountable connection port on the body
- Dust-proof and drip-proof.
- With power indicator lamp

Flow characteristics



Specifications

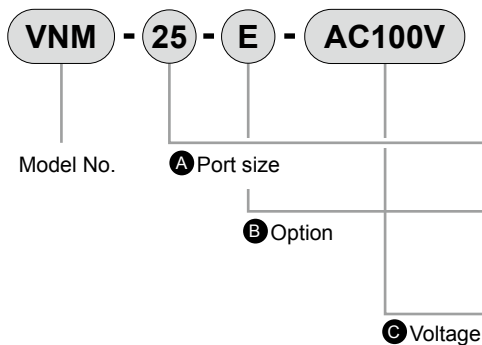
Descriptions	VNM-25
Working fluid	City gas/natural gas/LPG
Working pressure MPa	0 (≈0 psi, 0 bar) to 0.3 (≈44 psi, 3 bar)
Flow rate <small>Specific gravity of natural gas ΔP = 0.25 kPa</small> m ³ /h(ANR)	19
Cv	12.8
Rated voltage V	100 AC ±10% 200 AC ±10%
Frequency Hz	Common to 50 and 60
Power consumption (apparent power) VA	82
Ambient temperature °C	-20 (-4°F) to +60 (140°F) (no freezing)
Opening time s	0.5 or less
Closing time s	1.0 or less
Frequency Cycle/min.	30 or less
Mounting orientation	Vertical direction with the coil up or horizontal direction with the coil horizontal
Connection	Flange (JIS10KRF)
Port size	25A
Weight kg	7.7
Proof pressure MPa	0.5 (≈73 psi, 5 bar)

Reference: conversion coefficient

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

Gas type	Natural gas (13A)	City gas (6B.6C)	Propane	Butane	Butane-air (6A)
Specific gravity (air = 1)	0.65	0.54	1.6	2.0	1.25
Coefficient	1.0	1.09	0.63	0.57	0.72

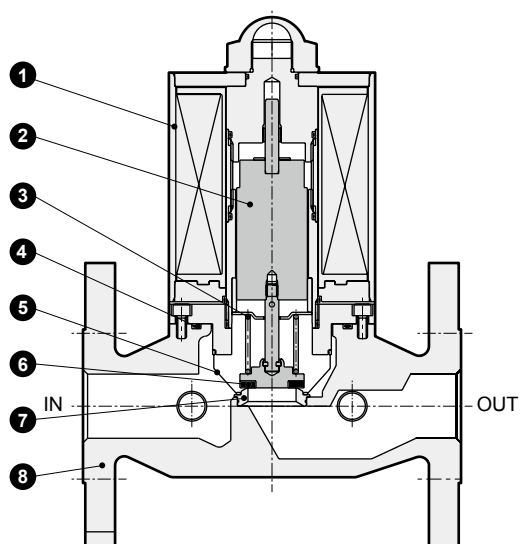
How to order



Code	Content
A Port size	
25	JIS flange 25A
B Option	
Blank	None
E	With operation confirmation micro switch
C Voltage	
AC100V	Std. 100 VAC 50/60 Hz
AC200V	
AC110V	Option 110 VAC 50/60 Hz
AC220V	
DC24V	
	24 VDC

*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

