

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

Medium pressure gas cutoff valve (slow open) **VLM Series**

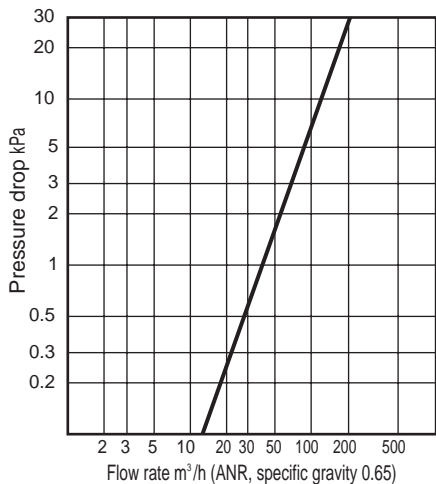
- NC (Open when energized)
- City gas/LPG
- Port size: 25A (JIS flange)

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
- With power indicator lamp

Flow characteristics



Specifications

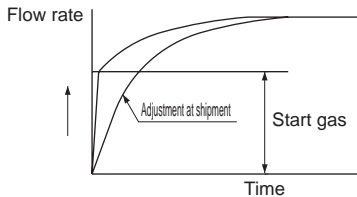
Item	VLM-25
Working fluid	City gas/LPG
Working pressure MPa	0 to 0.3
Flow rate <small>Specific gravity of city gas 0.65 ΔP=0.25kPa</small> m³/h (ANR)	19
Cv	12.8
Rated voltage V	AC100±10% AC200±10%
Frequency Hz	Common to 50 and 60
Power consumption (apparent power) VA	82
Ambient temperature °C	-20 to +60 (no freezing)
Opening time s	Approx. 10
Closing time s	1.0 or less
Frequency cycles/min.	1 or less
Start gas adjustment %	0 to 50
Re-energizing intermission times	5.0 and over
Mounting orientation	Vertical direction with the coil up or horizontal direction with the coil horizontal
Connection	Flange(JIS10KRF)
Port size	25 A
Weight kg	7.8
Proof pressure MPa	0.5
Degree of protection	IPX4

Reference: conversion coefficient

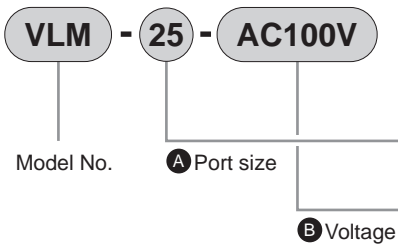
Converted flow rate = (flow rate in table) x (coefficient)

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

Opening operation characteristics



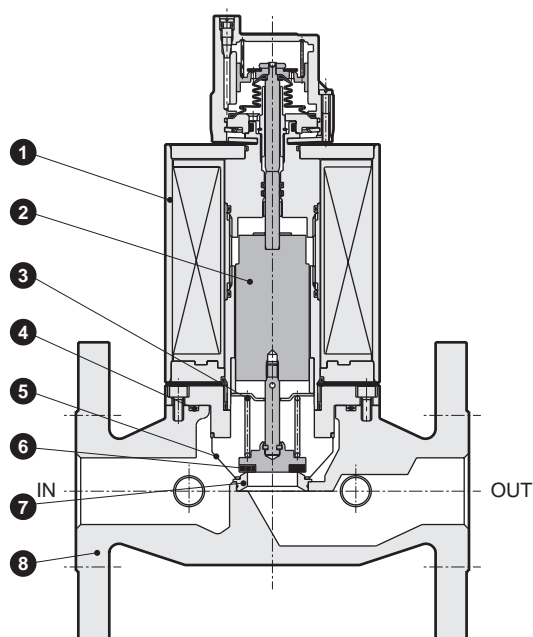
How to order



Code	Description	
A Port size		
25	JIS flange 25A	
B Voltage		
AC100V	Standard	100 VAC 50/60Hz
AC200V		200 VAC 50/60Hz
AC110V	Option	110 VAC 50/60Hz
AC220V		220 VAC 50/60Hz
DC24V		24 VDC

* 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

● VLM-25

