

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)



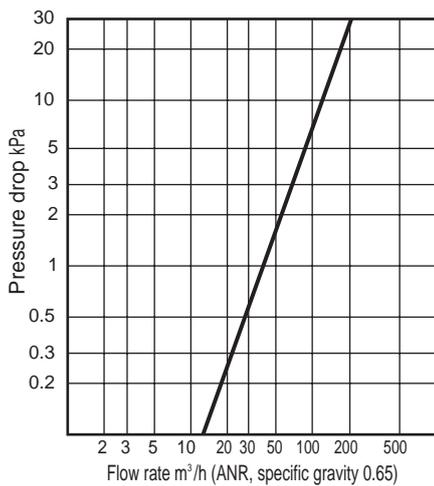
### Features

- 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

### 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> m <sup>3</sup> /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

### Flow characteristics

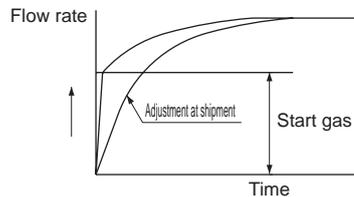


Reference: conversion coefficient

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

### Opening operation characteristics



### How to order

**VLM - 25 - AC100V**

Model No.

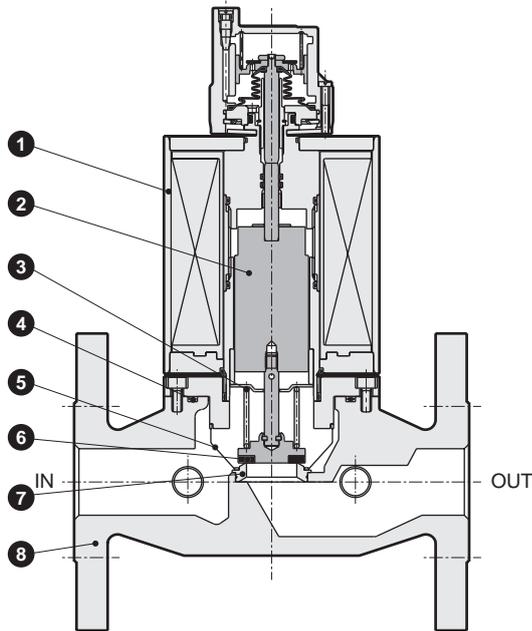
**A** Port size

**B** Voltage

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

\* For voltages other than above, contact CKD.

### Internal structure and parts list

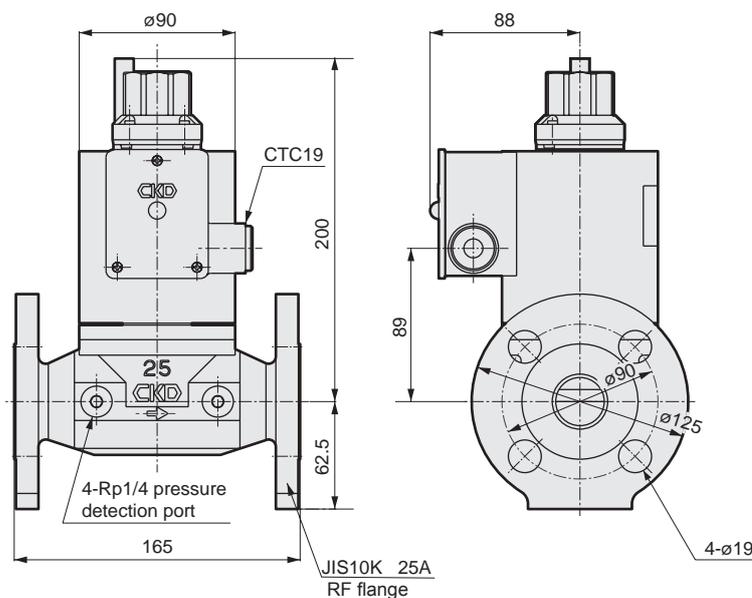


**Cannot be disassembled**

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



- 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  $\phi$  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