

Control Valve (Electric actuated Type M) 15mm, 25mm(1/2inch, 3/4inch)

Body Material

PVC
PVDF

Seat & O-ring Material

EPDM
FKM
Viflon C(FKM-C)
Viflon F(FKM-F)

Connection Standard

JIS10K

Action

Single-Phase
AC100V
AC200V
DC24V

Equipment

Indicator
Opening Output Signal
E-E Positioner



FEATURES

- This Valve provides High-Precision Flow Control by applying original unique shaped plug less affected by Fluid Viscosity.
- Application of Electronic Servo-Actuator with High Performance.
- Electronic limiter and Overload Protection Circuit at fully-Opened or Fully-Closed position are built into the valve.

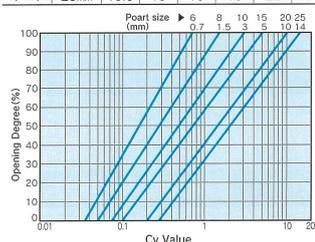
ACTUATOR SPECIFICATION

Nominal Size mm(inch)	15(1/2inch)	25(2inch)
Actuator Type	MSP-6	
Cycle Time 50/60Hz(seconds)	8	15
Motor Output(W)	3.8	
Motor Rated	AC100V	0.24
	AC200V	0.15
	DC24V	0.36
Protective Structure	Outdoor drop-proof Type	
Cable Connector Nominal Size	G1/2 (Cable accessory)	
Motor Pole(P)	5	
Motor Insulation	E Class	
Motor Time Rating	Continuous	

General flow control

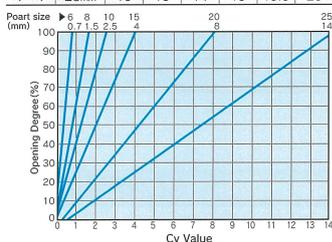
Equal Percentage

Nominal Size (mm)	25				
	6	8	10	15	20
Poat Size (mm)	6	8	10	15	20
Cv	0.7	1.5	3	5	10
Range Ability	20:1	30:1	40:1	50:1	50:1
Stroke (mm)	15mm	17	16	17	18
	25mm	16.5	16	16	22



Linear

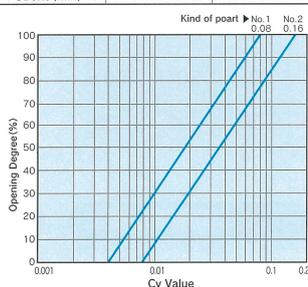
Nominal Size (mm)	25				
	6	8	10	15	20
Poat Size (mm)	6	8	10	15	20
Cv	0.7	1.5	2.5	4	8
Range Ability	20:1	25:1	30:1	40:1	50:1
Stroke (mm)	15mm	16	16	15	16
	25mm	16	16	14	19.5



Precise flow control

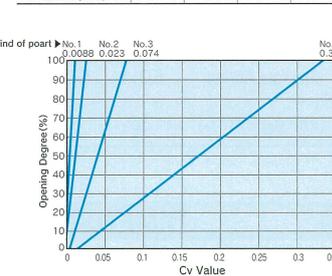
Equal Percentage

Nominal Size (mm)	15	
	No.1	No.2
Kind of Poat		
Cv	0.08	0.16
Range Ability	20:1	20:1
Stroke(mm)	16	16

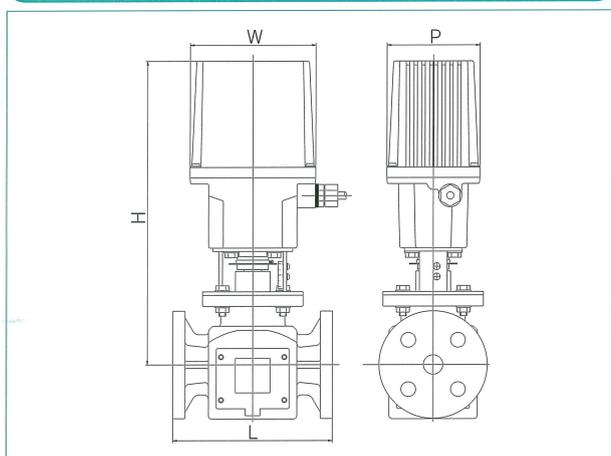


Linear

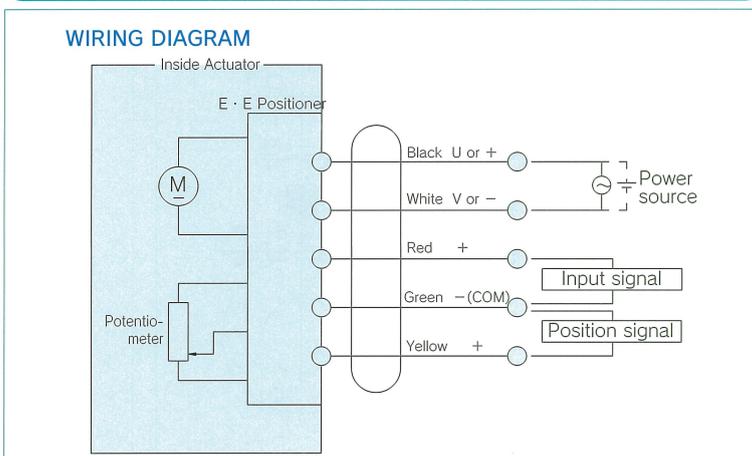
Nominal Size (mm)	15			
	No.1	No.2	No.3	No.4
Kind of Poat				
Cv	0.0088	0.023	0.074	0.33
Range Ability	15:1	15:1	15:1	20:1
Stroke(mm)	16	16	16	16



DIMENSIONS FIGURE



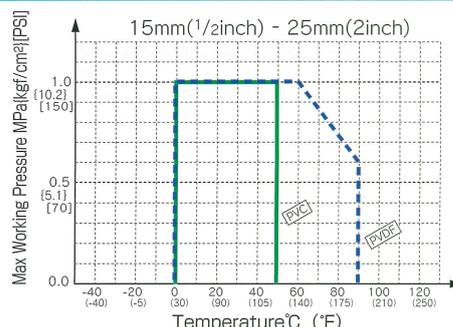
SCHEMATIC DIAGRAM



DIMENSIONS TABLE

JIS, ANSI, DIN		Unit:mm(inch)	
Nominal Size		15 (1/2)	25 (3/4)
L		160 (6.30)	184 (7.24)
H	PVC	335 (13.19)	354 (13.94)
	PVDF	372.5 (14.67)	366 (14.41)
W		145 (5.71)	145 (5.71)
P		110 (4.33)	110 (4.33)

WORKING PRESSURE VS. TEMPERATURE



Control Valve (Electric actuated Type M) 50mm - 100mm(2inch - 4inch)

Body Material

PVC

Seat & O-ring Material

EPDM
FKM
Viflon C(FKM-C)
Viflon F(FKM-F)

Connection Standard

JIS10K

Action

Single-Phase
AC100V
AC200V
DC24V

Equipment

Indicator
Opening Output Signal
E-E Positioner

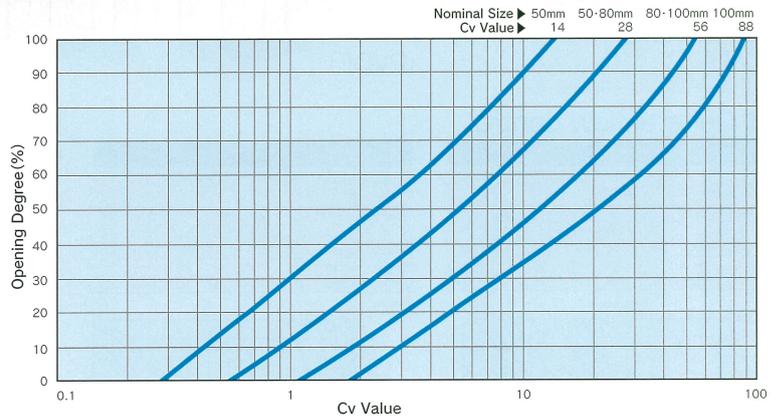


FEATURES

- This valve provides High-Precision flow control by applying original unique shaped plug less affected by fluid viscosity.
- Application of electronic Servo-Actuator with high performance.
- Electronic limiter and Overload Protection circuit at fully-Opened or Fully-Closed position are built into the valve.

ACTUATOR SPECIFICATION

Nominal Size mm(inch)	50 (2inch)	80 (3inch)	100 (4inch)
Actuator Type	PSN1		PSN3
Cycle Time 50/60Hz(seconds)	5	15	28 - 32
Protective Structure	IP55		
Cable Connector Nominal Size	3.0		
Motor Pole(P)	67	72	77
Motor Insulation	G1/2×2		
Motor Time Rating	E Class		

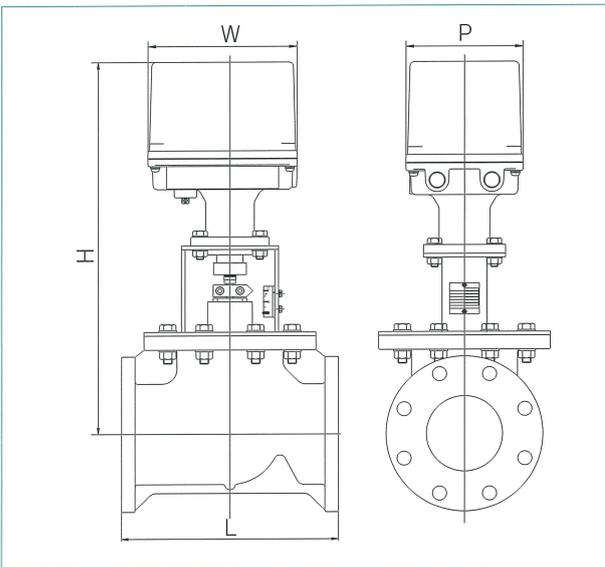


Cv Value

Equal Percentage

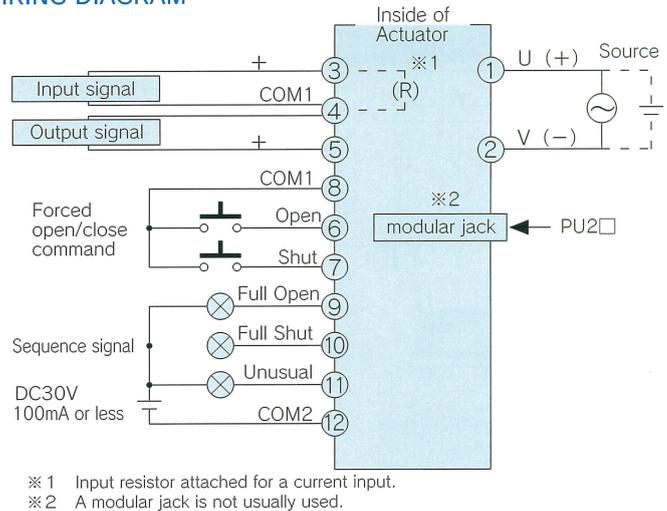
Nominal Size mm(inch)	50(2")		80(3")		100(4")	
Kind of Poat	S	L	S	L	S	L
Cv	14	28	28	56	56	88
Range Ability	50:1	50:1	50:1	50:1	50:1	50:1
Stroke (mm)	26	28	30	28	32	28

DIMENSIONS FIGURE



SCHEMATIC DIAGRAM

WIRING DIAGRAM



DIMENSIONS TABLE

JIS, ANSI, DIN	Unit:mm(inch)		
Nominal Size	50 (2)	80 (3)	100 (4)
L	200 (7.87)	240 (9.45)	290 (11.42)
H	433.5 (17.07)	450.5 (17.74)	503.5 (19.82)
W	182 (7.17)	182 (7.17)	200 (7.87)
P	140 (5.51)	140 (5.51)	150 (5.91)

WORKING PRESSURE VS. TEMPERATURE

