True Union Diaphragm Valve Type14 (Electric Actuated Type H)15mm-50mm(1/2inch-2inch)

Body Material
PVC
C-PVC
PP
PVDF

Diaphragm Material
PTFE
EPDM
FKM
Viflon C (FKM-C)
Viflon F (FKM-F)

Connection Standard
Socket End JIS
Socket End ASTM SCH80
Socket End DIN
Threaded End Rc
Threaded End NPT
Threaded End Rp

Power Source
Single-Phase
AC100V/200V

Equipment
Manual Operation Mechanism
(Handle is sold separately.)
Space Heater
Output Contact Limit Switches
Indicator

FEATURES

- In addition to the ordinary On-Off Limit Switch, additional Limit Switch is built in for safety.
- Manual Operating Handle is provided as a Standard Equipment. The Handle cannot be turned during electric operation due to the planetary Gear Mechanism.

OPTIONAL EQUIPMENT

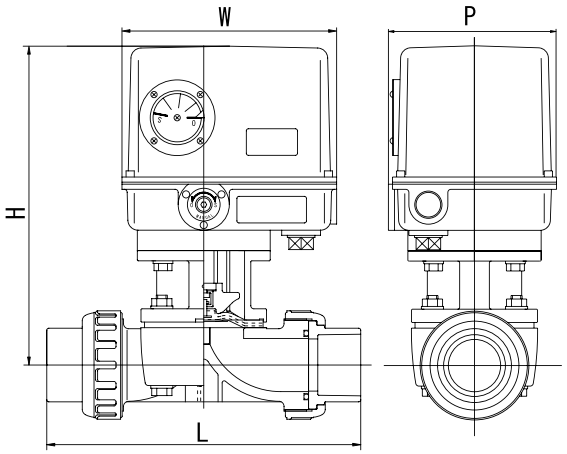
Combination No.	1
Space Heater	●
Output Contact Limit Swiches	●

ACTUATOR SPECIFICATION

Nominal Size mm(inch)		15 (1/2inch)	20 (3/4inch)	25 (1inch)	32 (1 1/4inch)	40 (1 1/2inch)	50 (2inch)
Actuator Type		ED-11H					
Cycle Time 50/60Hz(seconds)		20/16		24/20		43/36	51/43
Motor Output(W)		20					
Motor Starting Current(A) 50/60Hz	100V	0.69/0.7					
	200V	0.3/0.3					
Motor Rated Current(A) 50/60Hz	100V	0.5/0.5					
	200V	0.25/0.25					
Number of revolutions of manual operating handle		21		25		44	50
Limit Switch Capacity		AC 250V 10A					
Protective Structure		JIS C 0920 Waterjet-proof Type					
Cable Connector Nominal Size		2-G 3/4					
Motor Pole(P)		4					
Motor Insulation		E Class					
Motor Time Rating(minute)		30					

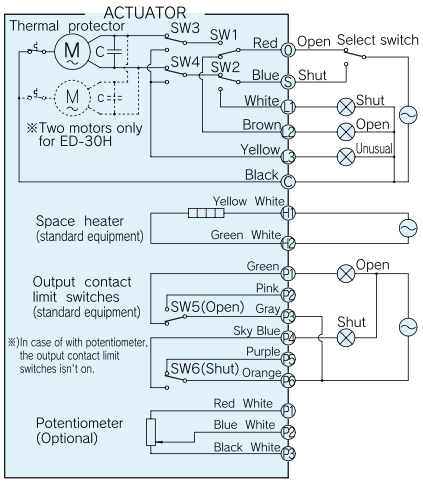
* for the actuator with lubricant free valves with a positioner or a potentiometer consult near Asahi dealer.

DIMENSIONS FIGURE

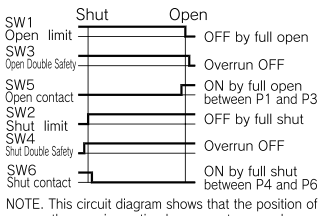


SCHEMATIC DIAGRAM

WIRING DIAGRAM

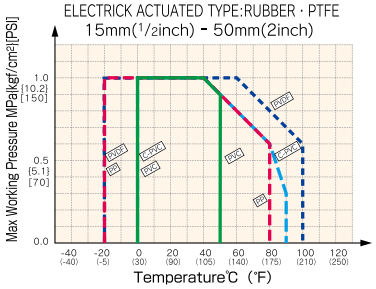


Switching Chart



NOTE. This circuit diagram shows that the position of the opening action has come to an end.

WORKING PRESSURE VS.TEMPERATURE



DIMENSIONS TABLE

JIS, ANSI, DIN Unit:mm(inch)

Nominal Size				15(1/2)	20(3/4)	25(1)	32(1 1/4)	40(1 1/2)	50(2)
Threaded End	L	PVC, C-PVC	JIS	128 (5.04)	148 (5.83)	172 (6.77)	188 (7.4)	245 (9.65)	281 (11.06)
			DIN	128 (5.04)	148 (5.83)	172 (6.77)	188 (7.4)	245 (9.65)	281 (11.06)
			ANSI	128 (5.04)	148 (5.83)	172 (6.77)	188 (7.4)	245 (9.65)	281 (11.06)
		PP, PVDF	JIS	128 (5.04)	148 (5.83)	172 (6.77)	188 (7.4)	245 (9.65)	278 (10.95)
			DIN	128 (5.04)	148 (5.83)	172 (6.77)	188 (7.4)	245 (9.65)	278 (10.95)
			ANSI	128 (5.04)	148 (5.83)	172 (6.77)	188 (7.4)	245 (9.65)	278 (10.95)
Socket End		PVC, C-PVC	JIS	134 (5.28)	156 (6.14)	186 (7.32)	200 (7.87)	271 (10.67)	303 (11.93)
			DIN	128 (5.04)	147 (5.79)	172 (6.77)	188 (7.4)	246 (9.69)	294 (11.57)
			ANSI	139 (5.47)	157 (6.18)	186 (7.32)	202 (7.95)	266 (10.47)	293 (11.54)

Nominal Size				15(1/2)	20(3/4)	25(1)	32(1 1/4)	40(1 1/2)	50(2)
Socket End	L	PP	JIS	134 (5.28)	154 (6.06)	182 (7.17)	– –	253 (9.96)	275 (10.83)
			DIN	125 (4.92)	141 (5.55)	164 (6.46)	177 (6.97)	231 (9.09)	274 (10.79)
			ANSI	138 (5.43)	155 (6.09)	184 (7.24)	198 (7.80)	261 (10.28)	293 (11.54)
		PVDF	DIN	125 (4.92)	141 (5.55)	164 (6.46)	177 (6.97)	231 (9.09)	274 (10.79)
			ANSI	138 (5.43)	155 (6.09)	184 (7.24)	198 (7.80)	261 (10.28)	293 (11.54)
Common			H	284 (11.18)	286 (11.26)	291 (11.46)	295 (11.59)	302.2 (11.90)	311.2 (12.25)
			W	210 (8.27)	210 (8.27)	210 (8.27)	210 (8.27)	210 (8.27)	210 (8.27)
			P	164 (6.46)	164 (6.46)	164 (6.46)	164 (6.46)	164 (6.46)	164 (6.46)