

# MEIJI

## MODULATING VALVE

### GENERAL INFORMATION

Fig 805 series actuators are applied with Fig 805 series valve as well as other valves through a connector.

There are two types: Fig. 8051 (Reversible motor, increment control) and Fig. 8052 (Proportional control).

### FEATURES

1. Low voltage bi-directional AC synchronous motor.
2. External light to show valve pole movement (up or down)
3. Fire retardant ABS shell.
4. Suitable for stroke <40mm.
5. Die-casting iron, die-casting steel, stainless steel and brass valve body to meet, different media and temperature requirements.
6. Flanged and screw connection for valve body.

### VALVE SPECIFICATION

Working pressure	16 bar
Testing Pressure	24 bar
Working temperatre	10°C ~ 200°C
Medium	Cold/hot water, Steam and Glycol etc
Valve body material	Die-casting iron, Die-casting steel, Stainless steel and brass
Valve core material	Brass
Valve pole material	Stainless steel SS302
Sealing material	PTFE retaining ring and NBR O-ring
Leakage	<0.03% Kv value
Cv values	DN80: 115.6, DN100:185, DN125:289.1, DN150:416.2, DN200:635.8

### ACTUATOR SPECIFICATION

Fig	Fig. 8051	Fig. 8052
Operation/Control	Reversible motor, increment control	Proportional control forward and backward moving
Electronic board	N/A	Power supply : 24V AC, 50/60Hz Power consumption: 2VA Optional input signals: 0~10V DC or 4~20mA DC
Motor	Bi-directional AC synchronous motor	
Power supply of motor	24V AC ±10%, 50/60Hz, 10VA	24V AC ±10%, 50/60Hz, 10VA
Nominal torque	2,500N standard (4,000N optional)	
Material	Gear: Stainless steel, brass Reduction device bottom pannel: Galvanized steel Bracket: Die-casting aluminium alloy Shell: Fire retardant ABS	Gear: Stainless steel Reduction device bottom pannel: Galvanized steel Bracket: Die-casting aluminium alloy Shell: Fire retardant ABS
Operating time & stroke	50Hz: 1mm/4.6s 60Hz: 1mm/3.8s	50Hz: 1mm/8.3s 60Hz: 1mm/6.9s
Operation temp.	-5°C ~ 55°C	-5°C ~ 55°C
Operation humidity	10~90% RH (no condensing)	10~90% RH (no condensing)
Wire	1.5mm <sup>2</sup>	1.5mm <sup>2</sup>
Factory default setting	N/A	Input signal : 0~10V DC
N/W	4.1kg	4.3kg

**Fig 805**  
**PN16**  
**DN 80-200**

