

is compact and lightweight and the oil volume is a minimum.

3) The very small oil volume makes it ideal for office buildings.

















4) Since a motor-spring system is used for closing operation, ① the breaker closing speed is not influ-

enced by changes in the operating voltage and, ② the operating current is only 12 A at DC 100/110 V and the battery capacity becomes low.

5) Economical

The price is not different from the ordinary tank type oil circuit breakers.

Table 2 T-type circuit breakers series

Breaking capacity Voltage	50MVA	100MVA	150MVA	250MVA	300MVA	350MVA	500MVA	750MVA	1,000MVA	1,500MVA
3.6kV	 400A	 600A	 600A-1,200A	 600A-1,200A-2,000A	 600A-1,200A-2,000A	—	—	—	—	—
7.2kV	—	 400A	 600A	 600A-1,200A	—	 600A-1,200A-2,000A	 600A-1,200A-2,000A	—	—	—
12kV	—	—	—	—	—	 600A-1,200A	 600A-1,200A-2,000A	 600A-1,200A-2,000A	—	—
24kV	—	—	—	—	—	—	 600A-1,200A	—	 600A-1,200A-2,000A	—
36kV	—	—	—	—	—	—	—	—	—	 600A-1,200A-2,000A

NEW TYPE RC915 SERIES FUJI ELECTRIC MOTOR DRIVE (E.M.D.) FOR VALVE

The high economic growth and shortage of labor evident in recent years has led to the rapid progress of automation. Fuji Electric detected this trend early and has already delivered several thousand of its Type RC910 Electric Motor Drive for valve and gates since its development in 1960.

The new Type RC 915 series Electric Motor Drive (E.M.D.) for valve introduced here is based on our long years of experience and record of achievements and has been developed under the motto "easier to use" and is the results of various improvent tests.

The FUJI motor E.M.D. is a unique automatic resetting switching device which will undoubtedly make a valuable contribution to the automation of valves and gates in all types of industrial plants.

Features

(1) Automatic resetting system employed throughout.

Switching between automatic and manual operation can be performed in one motion. Resetting to the motor is automatic. The switching lever and manual operating handle are located on the same side.

- (2) The torque limit, position limit, and opening indicators are compacted housed in the switch mechanism and all adjustments can be performed at the terminal box.
- (3) Quick response and high frequency use is possible through the use of a torque motor. It can also be conveniently used as an adjusting valve.
- (4) Can be installed in any position with ample wiring space. Operating system selection terminals are also provided.
- (5) Rust-proof, moisture-proof outdoor construction.
- (6) Torque limit employs a double torque (forward and reverse torque) system while the position limit

employs a counter system.

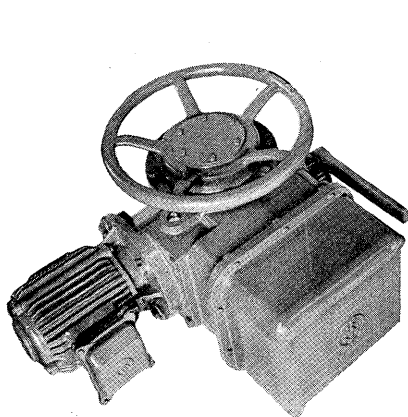
Specifications

The five different basic types of the new Fuji Type RC 915 Series motor operated valve listed in *Table 1* are available depending upon the output torque.

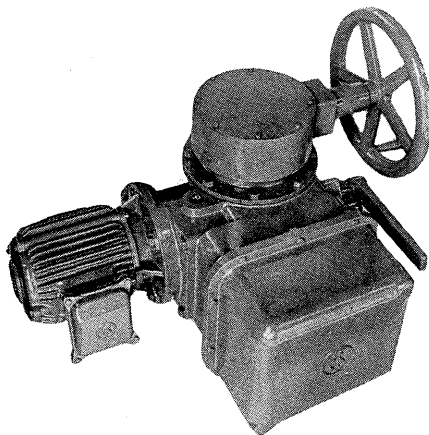
An increased safety explosion type, frame proof explosion type, marine use type, and DC motor operated type are also available for special applications.

Standard Rating

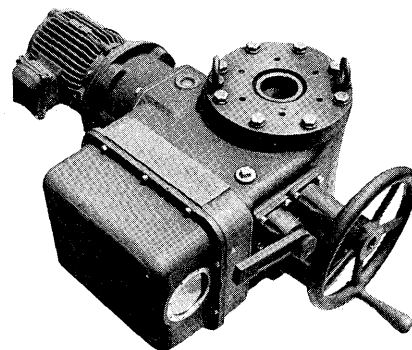
- (1) Output shaft speed : 23.3 rpm (50 Hz) 28 (60 Hz)
However, shaft speeds of 10~50 rpm (50 Hz) and 12~60 rpm (60 Hz) can also be provided upon request.
- (2) No. of revolutions of output shaft : 5~4000 rev
- (3) Motor power source:
200/200 (V), 400/440 (V) 50/60 (Hz)



Type RC 915-1



Type RC 915-2



Type RC 915-4, 8, 16

Standard Specifications of Fuji E.M.D.

Type	Motor output (kW)	Output shaft torque (kg-m)	Max. permissible thrust (t)	Output shaft dimensions	
				Inner thread (key coupling)	Outer thread (double sleeve)
RC915- 1	0.4 (0.75)	5~10	6	35 (max. 40)	max. 40 (46*)
2	0.75 (1.5)	10~20	6	35 (max. 40)	max. 40 (46*)
4	(0.75) 1.5 (2.2)	20~40	7.5	42 (max. 50)	max. 50 (60*)
8	(1.5) 2.2 (3.7)	40~80	15	50 (max. 60)	max. 60 (70*)
16	(2.2) 3.7 (5.5)	80~160	25	60 (max. 75)	max. 70 (90*)

Note: (1) Motor output in () is the semi-standard value.

(2) Output dimensions indicated by the asterisk (*) are special dimensions for the direct thread coupling.