

Proportional solenoid control valves

Control valve

Model	Model Code	Max. Working Pressure MPa	Max. Flow L/min										Page
			1	2	5	10	20	50	100	200	500	1000	
Proportional Solenoid Relief Valves (direct operated type)	EPCG2-01	21	1										J1-1
Proportional Solenoid Relief Valves	EPCG2	21							03	06	10		J2-1
Proportional Solenoid Flow Control Valves (direct operated type)	EPFG-01	21											J3-1
Proportional Solenoid Flow Control Valves (series type)	EPFG	21 (17.5)							03	06	10		J4-1
Proportional Solenoid Flow Control Valves (bypass type)	EPFRG	21							02	03	06	10	J4-1
Proportional Solenoid Directional and Flow Control Valves (3-position)	EPDG1-3	21											J5-1
Proportional Solenoid Pressure Reducing Modules	EPMX2	21							3	5			J6-1

Note: It is not possible to use phosphate ester fluids.

Controller

Model	Model Code	Position Sensor Drive Circuit*	Supply Voltage	Installation Method	Input Command	Standard Command Specifications	Setting Method	Page
ECMA1 series	ECMA1	—	DC24V	DIN rails	Analog voltage input	DC0V~+5V, DC0V~+10V DC-5V~+5V, DC-10V~+10V	Digital	J7-1
EPAD series	EPAD-A	—	DC24V	Control valve (installed)	Analog voltage input	DC0V~+10V	Analog trimmers	J8-1
	EPAD-SC	—			ON/OFF control input	3-point sink connection (common: power supply 0V)		
P-X/Z series	P-X	—	AC100~220V	Panel surface rack	Analog voltage input	DC0V~+10V	Analog trimmers	J9-1
	P-Z	○						
PB-X/Z series	PB-X	—	DC24V	Wall surface	Analog voltage input	DC0V~+10V	Analog trimmers	J10-1
	PB-Z	○						

Note: * This drive circuit can be used only with Tokyo Keiki's proportional control valves which are equipped with position sensors.

Control valve/controller compatibility table

Model	Position Sensor	ECMA1	EPAD-* -1A	P-X	P-Z	PB-X	PB-Z
EPCG2-01	Not provided	○	○	○	—	○	—
EPCG2-03/06/10	Not provided	○	○	○	—	○	—
EVRG-3	Not provided	○	○	○	—	○	—
EPF (R) G-* *- *- *- *	Not provided	○	○	○	—	○	—
EPF (R) G-* *- *- *- *- F	Provided	—	—	—	○	—	○
EPDG1-3-* C-* *- *- 21	Not provided	○	○ (2)*	—	—	—	—
EPMX2-3/5	Not provided	○	○	○	—	○	—

Note: * Two of these units are used for one control valve.

TOKYO KEIKI INC.