

Automatic Pressure Control System



RSX Series

Self-contained

Throttle valve with built-in controller

2 pressure gauge input

CPU exclusive power source

General Description

The RSX Pressure Control System is self-contained and enables automatic pumping speed control with built-in automatic control circuits such as a digital PID microprocessor, drive circuit, and RS232C interface. The RS232C controls the whole system, while the system host CPU controls the pressure and throttle valve position. The RS232C has higher reliability because of its optical link and two power sources: one for driving the motor and one for controlling the CPU. This model is equipped with a two-pressure sensor input system. Its self-diagnostic system on the valve lock and its sensor alarm makes the process safer. The simple direct-drive valve structure connecting the throttle valve directly to operational parts requires only a few parts, thereby improving mechanical reliability.

For maintenance, the valve can be operated manually without using a CPU, and this allows for a quick and easy system setup.

Features

- Intelligent control by digital PID
- Standardized RS232C interface.
- Optional a analog interface.
- Compact APC with built-in throttle valve and controller.
- Manual operation and self-diagnosis for convenient system maintenance.
- Simple valve structure focused on mechanical reliability.
- Convenient two pressure sensor input.
- Available with heat valve.
- Flanges available in various types and sizes.

Specification

- Input power : ± 15 VDC @500 mA
24 VDC @500 mA
- Output power : ± 15 VDC @250 mA
- Pressure input signal : 2 system
Each system : 0-10 VDC
- RS232C interface : Pressure setting
Valve position setting
PID parameter setting
Valve open/close/hold
Pressure zero calibration
Valve position calibration
Self-diagnoses



FUJI IMVAC INC.

6-18 Higashi-cho, Isogo-ku, Yokohama, Japan
Tel; 045-755-2261 Fax; 045-755-2282