

Standard Product Capabilities

Pump solutions from a World Leader



Pump Controllers

Optimize efficiency and reliability

Iwaki America's series of pump controllers optimize the efficiency and reliability of our F series pneumatic pumps. Receiving output from the pump's sensors, the controller provides stable, predictable operation and consistent output. Combined with a pulsation dampener and an electropneumatic valve, you can configure a smart, powerful, trouble-free chemical circulation system.

The AC-1 pump controller externally paces a single F series pump based on input from the pump's built-in stroke sensor. It includes alarm output and operator adjustable timer for alarm initialization.

An economical single pump controller, the FD-2 features constant speed control, leak alarm, overspeed protection and time up alarm. The FD-2 can be controlled via an external source, allowing for remote pump on/off function. Optional flow rate meter, differential pressure meter and totalizer are available. The FD-2 is easily adaptable to existing tool designs.



AC-1

| | |
|---------------------|--|
| Power Supply | 115 VAC or 24 VDC |
| Power Consumption | 24 VDC or less |
| Ambient Temperature | 32° to 140°F (0 to 60°C) |
| Outer Dimensions | 5.7W x 2.8H x 5.8D in (144 x 72 x 146 mm) |



FD-2

| Model | FD-2 |
|---------------------|--|
| Power Supply | 24 VDC \pm 10% |
| Power Consumption | 24 VDC |
| Ambient Temperature | 32° to 131°F (0 to 55°C) |
| Outer Dimensions | 4.7W x 1.6H x 7.1D in (120 x 40 x 180 mm) |

Think twice. Spec Once.

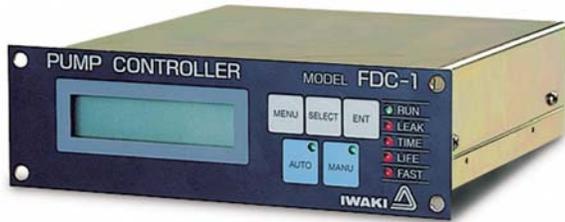


PROVEN
RELIABILITY.
ADVANCED
TECHNOLOGY.





FDC-1



As it controls the pump at a fixed level of discharge when it is connected to a vacuum regulator, stable circulation and filtration continue despite possible fluctuation of a discharge load due to clogging of the filter or some other reason. Since the difference between the inside pressure and outside pressure of the bellows can be held at a minimum level, an increase in the life of the bellows is to be expected.

Monitoring the flow rate, number of strokes and total count are possible. There are two operating modes: AUTO mode by external signals and MANU mode for manual operation. In addition to the sensor mode for operation by the proximity switch, the time mode is provided as standard equipment. This means that if the proximity switch fails, the operation can be continued in the timer mode. Alarm displays, such as leak alarm, pump malfunction alarm are also available.

SC-1



| Model | SC-1 |
|---------------------|---|
| Power Supply | 24 VDC ±10% |
| Power Consumption | 20 VDC or less |
| Ambient Temperature | 32° to 131°F (0 to 55°C) |
| Outer Dimensions | 7.9W x 4.3H x 7.1D in (200 x 110 x 180 mm) |

The SC-1 is a menu-driven controller, able to pace three pumps simultaneously. Operator interface is via keypad and easy-to-read liquid crystal display. The controller features constant speed control, overspeed control, and leak alarm. Flow rate, pressure, and total count are constantly monitored and accumulated. It is equipped with RS422 or RS485 ports for integration into automated systems.

QEV



'Quick Exhaust Valve' prevents corrosion of the solenoid valve when adverse operating conditions arise. Installed between the pump and the solenoid valve, the QEV exhausts corrupt air or fluid before it can damage the solenoid.

