Fine Chemical Regulators FCR by

SURPASS

Features

- The FCR will precisely maintain a set constant pressure at the outlet while inlet pressure fluctuates.
- The Fine Chemical Regulator series use fluoropolymers as the fluid contacting material. They can be used in a wide range of chemical streams including general chemicals, strong alkalis, and strong acids such as hydrofluoric acid.

Model

Model	Flow Rate Range (Water)	Inlet Pressure Range kPa (psi)	Fitting
FCR-1/4	10~500 ml/min	100~400 (14.5~58)	1/4”
FCR-1/4-0.5	10~200 ml/min	50~400 (7.2~58)	1/4”
FCR-3/8	1~4 l/min	100~400 (14.5~58)	3/8”
FCR-3/8-0.5	1~3 l/min	50~400 (7.2~58)	3/8”
FCR-3/4	10~30 l/min	100~400 (14.5~58)	3/4”

Specifications

Material Contact with Fluid	PTFE, PCTFE
Operating Temperature Range	10 to 70°C
Max. Outlet Pressure	500 kPa (72 psi)
Pressure Control Precision	±3% (depends on system conditions)

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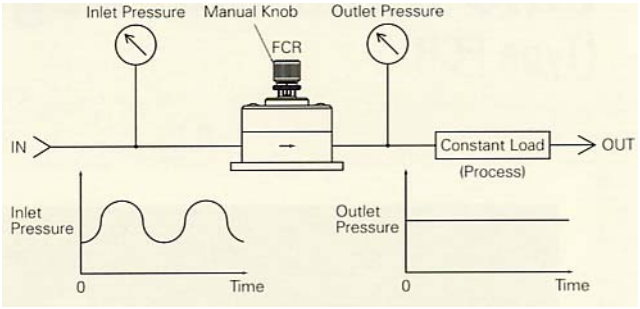
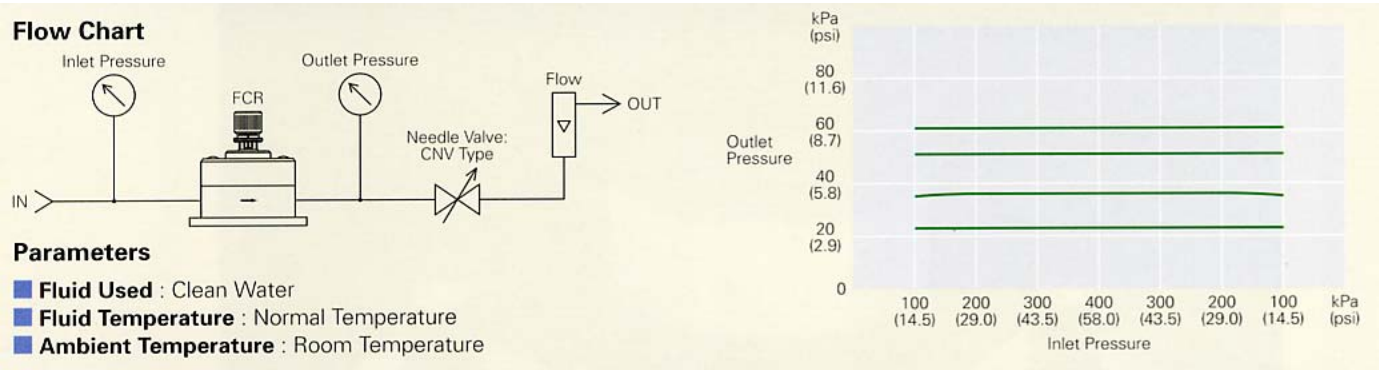
Example of Application

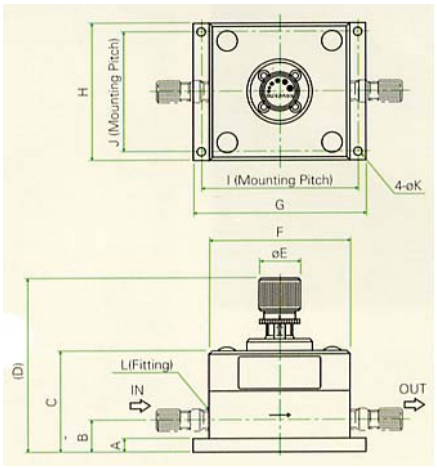
- The outlet pressure (pressure of the process) remains constant, while the inlet pressure fluctuates (with in a range of 100~400 kPa (14.5~58 psi).
- The outlet pressure (pressure of the process) can be adjusted with a knob on the FCR.



Performance



Dimensions



Model	A	B	C	(D)	ØE	F	G	H	I	J	4-ØK	L
FCR-1/4	7	19	62	96~106	25	85	105	85	95	75	5	1/4”
FCR-1/4-0.5	7	19	62	96~106	25	85	105	85	95	75	5	1/4”
FCR-3/8	7	19	62	96~106	25	85	105	85	95	75	5	3/8”
FCR-3/8-0.5	7	19	62	96~106	25	85	105	85	95	75	5	3/8”
FCR-3/4	10	33	110	148~154	25	150	150	120	130	100	6	3/4”

(size: mm)

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