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F61 Series

Flow Switch (Low Flow Rate – SPDT)

Description

For use on liquid lines using water, ethylene glycol solutions, or other liquids not corrosive to the brass or phosphor bronze parts. The SPDT contact switch is activated by a low flow rate; however, it has a large flow capacity with a minimum pressure drop.

Applications

Typical applications include:

- water purification and treatment systems
- booster pumps
- fast shutdown on high input boilers to guard against circulation failure
- cooling systems for electronic tubes, bearings, and compressors

F61KD-4

Selection Chart

Code Number	Inlet and Outlet Size Female NPT	Enclosure NEMA Type	Adjustment Range – GPM (L/Min)		Maximum Liquid Temp	Minimum Liquid Temp	Maximum Liquid Pressure
			R to Y Closes Flow Increase	R to Y Opens Flow Decrease			
F61KD-3C	1/2 x 1/2 in. (13 x 13 mm)	1	Minimum 0.6 (2.27) Maximum 1.1 (4.17)	Minimum 0.3 (1.14) Maximum 0.9 (3.4)	250°F (121°C)	32°F (0°C)	150 psig (1034 kPa)
F61KD-4C	3/4 x 3/4 in. (19 x 19 mm)	1					
F61KD-8C	3/4 x 3/4 in. (19 x 19 mm)	1	Minimum 8.5 (32.2) Maximum 9.0 (34.1)	Minimum 4.5 (17.1) Maximum 6.3 (23.9)			
F61MD-1C	1/2 x 1/2 in. (13 x 13 mm)	3R	Minimum 0.6 (2.27) Maximum 1.1 (4.17)	Minimum 0.3 (1.14) Maximum 0.9 (3.4)		-20°F (-29°C)	
F61MD-2C	3/4 x 3/4 in. (19 x 19 mm)	3R					

Technical Specifications

Dimensions

F61 Series Flow Switch (Low Flow Rate - SPDT)	
Height	5-1/32 in. (127 mm)
Width	4 in. (102 mm)
Depth	2-13/16 in. (71 mm)

Electrical Ratings

Motor Ratings VAC	120 VAC	208 VAC	240 VAC	277 VAC
Horsepower	1	1	1	–
AC Full Load A	16.0	8.8	8.0	–
AC Locked Rotor A	96.0	52.8	48.0	–
Non-Inductive or Resistance Load A	16	16	16	16
Pilot Duty – 125 VA, 24/277 VAC				