Table 1: Typical Flow Rates

GPM(m^3/hr)Required to Actuate Switch											
Pipe Size(in.)		1	1-1/4	1-1/2	2	2-1/2	3	4*	5*	6*	8*
Minimum Adjustment	Flow Increase R to Y Closes **	4.2 (1.0)	5.8 (1.3)	7.5 (1.7)	13.7 (3.1)	18.0 (4.1)	27.5 (6.2)	65.0 (14.8) 37.0+ (8.4)	125.0 (28.4) 57.0+ (12.9)	190.0 (43.1) 74.0+ (16.8)	375.0 (85.2) 205.0+ (46.6)
	Flow Decrease R to B Closes **	2.5 (0.6)	3.7 (0.8)	5.0 (1.1)	9.5 (2.2)	12.5 (2.8)	19.0 (4.3)	50.0 (11.4) 27.0+ (6.1)	101.0 (22.9) 41.0+ (9.3)	158.0 (35.9) 54.0+ (12.3)	320.0 (72.7) 170.0+ (38.6)
Maximum Adjustment	Flow Increase R to Y Closes **	8.8 (2.0)	1.3 (3.0)	19.2 (4.4)	29.0 (6.6)	34.5 (7.8)	53.0 (12.0)	128.0 (29.1) 81.0+ (18.4)	245.0 (55.6) 118.0+ (26.8)	375.0 (85.2) 144.0+ (32.7)	760.0 (172.6) 415.0+ (94.2)
	Flow Decrease R to B Closes **	8.5 (1.9)	12.5 (2.8)	18.0 (4.1)	27.0 (6.1)	32.0 (7.3)	50.0 (11.4)	122.0 (27.7) 76.0+ (17.3)	235.0 (53.4) 111.0+ (25.2)	360.0 (81.8) 135.0+ (30.7)	730.0 (165.8) 400.0+ (90.8)

* Flow rates for these sizes are calculated.

\+ GPM figures are for a switch with a 6 in. paddle.For 4in. And 5 in. Line pipe, the 6 in. Paddle is trimmed to a 4 in. and 5 in. length, respectively.

** For switching action, refer to Figure 7.

Specifications

Product	F61 KB Flow Switch			
Maximum Liquid Pressure	150psig(1034kPa)			
Minimum Liquid Temperature	32 ° F(0℃)			
Maximum Liquid Tempreature	250 ° F(121℃)			
Electrical Ratings	120VAC	208VAC	240VAC	277VAC
Horsepower	1	1	1	-
Full Load Amperes	16.0	8.8	8.0	-
Locked Rotor Amperes	96.0	52.8	48.0	-
Non-inductive Amperes	16.0	16.0	16.0	16.0
Pilot Duty	125VA at 24/277VAC			
Wiring Connection	Screw Type Terminals			
Pipe Connector	1 in. 11-1/2 NPT Threads			

Conduit Connection One 7/8 in.(22mm) Hole for 1/2 in. Conduit with 1-3/32 in. (28mm) knockout Ring for 3/4 in. Conduit.