NFS 60 WATER FLOW SWITCH

SENSORS & OTHERS

NFS 60

NFS 60 Flow Switch is designed for use prove flow of water by giving an alarm or use to control the condenser pump in the HVAC system.
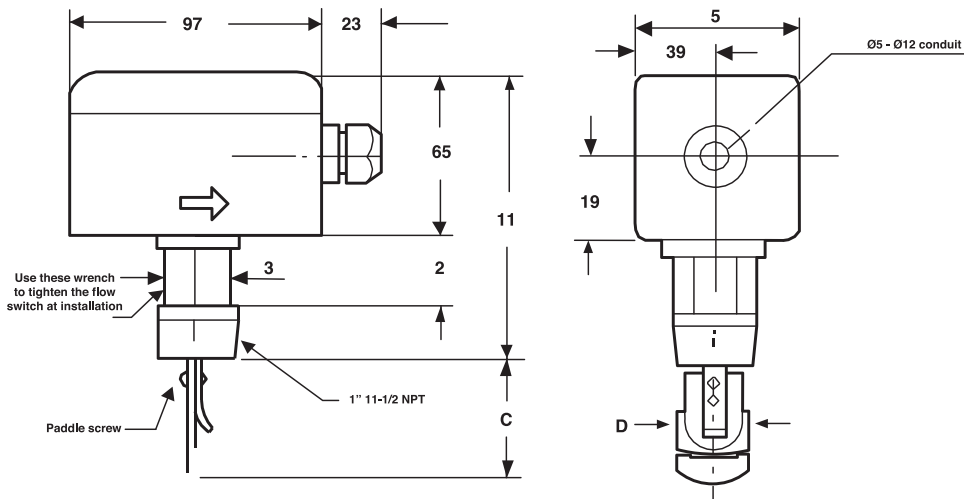
PRODUCT FEATURE

- 1" to 6" pipe size
- 3 pieces paddle included
- SPDT contact for NC or NO operation
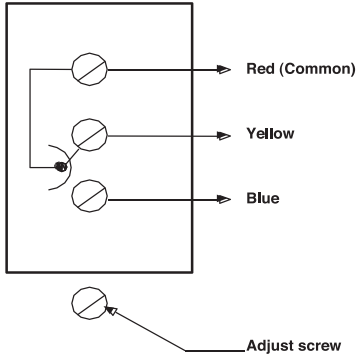
TECHNICAL SPECIFICATION

CONTRACT RATING	AC 230V 10A
MEDIUM TEMPERATURE RANGE	0 to 120°C
CONNECTION	1" (11-1/2)NPT
MAX PRESSURE ALLOWABLE	12 Bar
IP PROTECTION	IP65
AMBIENT TEMPERATURE	-20°....50° as per IEC721-3-3
AMBIENT HUMIDITY	5….95% rH (non Condensing)
INVENTORY TEMPERATURE	+70°C as per IEC 721-3-2
CERTIFICATION	CE and ISO 9000 (EN...requirements)
SHIPPING WEIGHT	700g

DIMENSION

PIPE SIZE	C	D
25	37	25
51	64	29
76	89	29
101	168	29
152	168	29

CONTRACT RATING

- Red (Common)
- Yellow
- Blue
- Adjust screw

RATED CURRENT A \ RATED VOLTAGE V		POWER COS Ø	125V AC	250V AC
NO INDUCED LOAD CURRENT		1	15	15
INDUCED LOAD CURRENT	FULL LOAD CURRENT	0.75	3.5	2.5
	INSTANTANEOUS CURRENT	0.45	21	15

MINIMUM FLOWRATE

GPM (M3/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 increasing Red → Yellow Closed**	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 decreasing Red → Blue Closed**	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 decreasing Red → Yellow Closed**	8.8 (2.0)	13.3 (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 decreasing Red → Blue Closed**	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)

NENUTEC