

F26 SERIES CORROSION RESISTANT HEAVY DUTY FLOW SWITCHES

FEATURES

- 0 TO 500VAC 15AMP S.P.D.T SWITCH
- 15 OR 20AMP MODELS AVAILABLE
- 1" BSP OR 1" NPT PROCESS CONNECTION
- STAINLESS, BRASS & POLYPROPYLENE MODELS
- SUITS PIPE SIZES 25mm (1") AND ABOVE
- 18 TO 200 BAR PRESSURE RATING
- MANUAL OVERRIDE BUILT IN
- SUBMERSIBLE IP67 HOUSING
- SEAL-LESS MAGNETIC DRIVE
- DIESELINE MODEL AVAILABLE
- EASILY SERVICEABLE

The F26 heavy-duty flow switch is a tough but highly sensitive paddle flow switch suitable for a wide range of flow control applications in cold to warm liquids. The switch is designed to integrate into modern piping systems and to compliment the inherent advantages of such systems.

The F26 flow switch is available in two basic forms, a general-purpose model designated F26-S, which is suitable for most control circuit applications and for the direct control of low wattage pump motors. The second version, model F26-H is supplied with a 20Amp 500Volt switch suitable for directly controlling heaters, fans or pump motors up to 1.5kW 2HP. Both versions of the switch are available in either glass-reinforced Polypropylene, or in a combination of DR brass, 316 stainless and Nylon or Polypropylene. All F26 flow switches are supplied with an extra long polypropylene paddle designed to be cut to any required length or width.

A unique feature of all the F26 flow switches is a built in manual override switch which allows the flow switch to be turned on, regardless of lack of flow. This feature allows pumps to be manually started, or primed and also facilitates the testing and commissioning of pumping systems.

Our well tried and proven magnetic repulsion system is built into each F26 flow switch and couples paddle movement to the high compliance switch through a wall of solid material. The result is a flow switch with no seals or bellows or other points of potential failure. Where required, the F26 flow switch can be supplied with no metal parts in contact with the process liquid. The F26 flow switch can be used reliably in a huge variety of liquids including seawater, bore water, acids and alkalis and in many chemical solutions.



MODELS AVAILABLE

F26-S	Standard all Polypropylene switch with 15Amp 500V SPDT switch
F26-SS	316 stainless & Polypropylene model with 15Amp 500V SPDT switch
F26-H	All Polypropylene heavy duty model with 20Amp 500V SPDT switch
F26-HS	316 stainless & Polypropylene model with 20Amp 500V SPDT switch
F26-SB	DR Brass & Polypropylene model with 15Amp 500V SPDT switch
F26-HB	DR Brass & Polypropylene heavy duty model with 20Amp 500V SPDT switch
F26-D	DR Brass & Nylon 15Amp 500V SPDT for use in Dieseline applications

Note: DR Brass is Dezincification Resistant Brass

ORDERING

F26 - S - BSP

SEE TABLE OF MODELS AVAILABLE

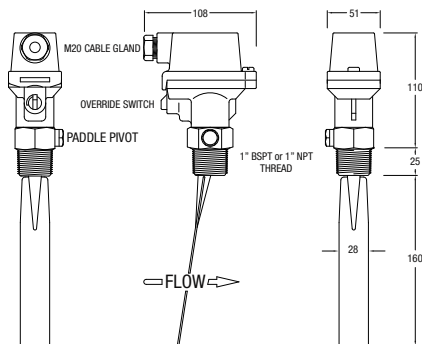
PROCESS CONNECTION
BSP = 1" BSPT
NPT = 1" NPT



AUSTRALIAN MADE

TECHNICAL DATA

DIMENSIONS



OPERATING LIMITATIONS

Switch Model	F26-S & H	F26-SS & HS	F26-SB & HB	F26-D
Maximum operating pressure (static or dynamic) at ambient temperature	18 Bars (260 psi)	200 Bars (2880 psi)	100 Bars (1440 psi)	100 Bars (1440 psi)
Minimum burst pressure at ambient temperature	45 Bars (650 psi)	500 Bars (7200 psi)	250 Bars (3600psi)	250 Bars (3600psi)
Maximum operating temperature (Liquid)	60°C See Note Below	80°C	80°C	60°C
Minimum operating temperature (Liquid)	-20°C	-20°C	-20°C	-20°C
Ingress protection rating (Weatherproof rating)	IP67	IP67	IP67	IP67

Please note: Maximum operating pressure of the all Polypropylene F26-S & F26-H must be linearly de-rated as operating temperature is increased so that at a process liquid temperature of 60°C the maximum permissible operating pressure for the switch must not exceed one Bar Absolute.

APPROVED STANDARDS

The high compliance single pole double throw switch used in the F26 flow switch is approved to the following international standards: UL (File No. E32667), CSA (File No. LR21642) SEV (File No. S20/163), CE.

FLOW SENSITIVITY

The flow rates required to actuate the F26 flow switch will depend on many variables such as turbulence, liquid viscosity and the exact area of the paddle face exposed to the flow. Generally the paddle should extend to the centre line of the pipe, or a little past the centre. For high flows the paddle should be shorter and for low flows, longer. If the flow rate is known, an accurate estimate of the switching point can be obtained online by using our flow calculator at www.kelco.com.au

SPARE PARTS

The F26 series flow switches are simple to service, and all component parts of the flow switch are available as spare parts.

ELECTRICAL DATA F26-S

The F26-S flow switch is suitable for general control circuit applications, up to 500VAC. In addition the switch can be used to directly control small single-phase 240VAC pump motors up to 0.36kW maximum.

Rated Voltage	NON INDUCTIVE LOADS				INDUCTIVE LOADS			
	Resistive Load		Lamp Load		Inductive Load		Motor Load	
	NC	NO	NC	NO	NC	NO	NC	NO
125 VAC	15A		3A	1.5A	15A		5A	2.5A
250 VAC	15A		2.5A	1.25A	15A		3A	1.5A
500 VAC	10A		1.5A	0.75A	6A		1.5A	0.75A
8 VDC	15A		3A	1.5A	15A		5A	2.5A
14 VDC	15A		3A	1.5A	10A		5A	2.5A
30 VDC	6A		3A	1.5A	5A		5A	2.5A
125 VDC	0.5A		0.5A	0.5A	0.05A		0.05A	0.05A
250 VDC	0.25A		0.25A	0.25A	0.03A		0.03A	0.03A

ELECTRICAL DATA F26-H

The F26-H flow switch is supplied with a heavy-duty 20 Amp 500V SPDT switch that is suitable for the direct control of 240V AC single phase pump motors up to 1.5kW (2HP).

Rated Voltage	NON INDUCTIVE LOADS				INDUCTIVE LOADS			
	Resistive Load		Lamp Load		Inductive Load		Motor Load	
	NC	NO	NC	NO	NC	NO	NC	NO
125 VAC	20A		7.5A		20A		12.5A	
250 VAC	20A		7.5A		20A		8.3A	
500 VAC	15A		4A		10A		2A	
8 VDC	20A		3A	1.5A	20A		12.5A	
14 VDC	20A		3A	1.5A	15A		12.5A	
30 VDC	6A		3A	1.5A	5A		5A	
125 VDC	0.5A		0.5A		0.05A		0.05A	
250 VDC	0.25A		0.25A		0.03A		0.03A	

HAZARDOUS APPLICATIONS

The F26 flow switch can be used in hazardous areas. The flow switch is classed as a simple device and does not contain components capable of storing or producing an electric charge. As a simple device the F26 can be used in hazardous applications provided it is isolated by an intrinsically safe barrier, a zener barrier.

WARRANTY

The Kelco F26 Flow Switch is protected by a 12 months return to base warranty. Full details of our warranty can be downloaded from: - <http://www.kelco.com.au/menu/information/warranty-statement/>

MADE IN AUSTRALIA BY

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