

Liquid flow switches

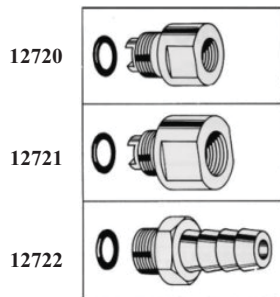


2400 2500

For pipe lines from 1" to 3".
 For pipe sizes larger than 3", actuation of the 5" paddle is a velocity of approximately 0.15m/sec (0.5ft/sec).



2100



1100

MODEL	PART No	DESCRIPTION	PRICE
2500	19652 Polysulfone	Vertically mounted flow switch. Temperature: -28~107°C. Pressure: 10 bar max. Switch: 20VA. SPDT. Mounting: 1" NPT. Housing: Polysulfone. Paddle: Polysulfone. Shuttle: Polysulfone. Spring: 316 SS.	\$225.00
2400	19650 Brass	Vertically mounted flow switch. Temperature: -34~150°C. Pressure: 58 bar max. Switch: 20VA. SPDT. Mounting: 1" NPT. Housing: Brass. Paddle: 316 SS. Shuttle: 316 SS. Spring: 316 SS.	\$386.00
2400	19651 316 SS	Vertically mounted flow switch. Specifications as above (p/n 19650) except: Housing: 316 SS.	\$585.00
2100	12686 0.37 l/m 12687 0.94 l/m 12688 1.89 l/m 12689 2.83 l/m 12690 3.78 l/m 12691 5.67 l/m	In line flow switch. Temperature: -28~107°C. Pressure: 17 bar @ 20°C max. 103 bar @ 20°C burst strength. Flow setting: Refer to <u>Part No.</u> column. Switch: 20VA. SPST. N/O. 2 wire. Ports: 9/16" -18 UNF. Housing: Polysulfone. Piston: Polysulfone. Spring: 316 SS. O ring: Viton A.	\$128.00
		Adapter fittings for the 2100: To convert the 9/16" -18 UNF-2B threaded port to other sizes. All fittings are made of polysulfone and are supplied with a Viton A o-ring seal assembled in place.	
	12720	1/8" NPT	each..... \$12.00
	12721	1/4" NPT	each..... \$12.00
	12722	1/2" barbed, for 1/2" ID hose.	each..... \$12.00
1100	18100 1.89 l/m 18101 3.78 l/m 18102 7.56 l/m 18103 11.3 l/m 18104 15.1 l/m 18105 18.9 l/m 18106 22.7 l/m 18107 30.3 l/m	In line flow switch. Fixed set point. Bronze, 3/4" NPT. Temperature: -28~150°C. Pressure: 27 bar @ 38°C max. 82 bar @ 38°C burst strength. Flow setting: Refer to <u>Part No.</u> column. Switch: 20VA. SPDT. Size: 3/4" NPT. Housing: Bronze. Shuttle: Teflon. Spring: 316 SS. O ring: Viton A.	\$468.00
		Bronze units are available in pipe sizes: 3/4", 1", 1 1/4", 1 1/2", 2", 2 1/2", 3". 316 SS units are available in pipe sizes: 1", 1 1/2", 2".	POA

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MODEL	PART No	DESCRIPTION	PRICE
1200	18271	In line flow switch. Adjustable set point. Temperature: -28~150°C. Pressure: 27 bar @ 38°C max. 82 bar @ 38°C burst strength. Flow setting: Refer to <u>Part No.</u> column for setting range. Switch: 20VA. SPDT. Size: 1" NPT. Housing: Bronze. Shuttle: Teflon. Spring: 316 SS. O ring: Viton A.	\$500.00
	18272		
2000	12666	In line flow switch. Fixed set point. Temperature: -28~120°C. Pressure: 103 bar max. Flow setting: Refer to <u>Part No.</u> column. Switch: 50VA. SPST. N/O. Size: 1/2" NPT. Housing: Brass. Piston: Brass. Spring: 316 SS.	\$218.00
	12667		
	12668		
	12669		
	12670		
	12671		
	12671		
	12671		
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	12671		



1200



2000

www.thomasprod.com

Thermal Dispersion flow switch

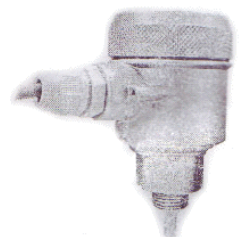
The Thermal Flow Switch Monitor SP200 is based on the principle of thermal dispersion. A typical configuration uses two Temperature Detectors set within the tip of the sensor.

One Temperature Detector is heated a few degrees above the other one. As the process medium flows over the tip of the sensor it disperses some of the heat from the heated Temperature Detector. The delta temperature is a function of flow velocity and converted into electronic signal. The open collector changes state once the set point has been reached.

FEATURES:

- ◆ Detection of flow velocities in pipes.
- ◆ LED functions Display.
- ◆ Open collector alarm output.
- ◆ Relay output option.
- ◆ Measuring Range: (Speed)
water: 1~150 cm/s .
oil: 3~300 cm/s.
- ◆ Material 316SS.

MODEL	DESCRIPTION	PRICE
SP200PNP	Thermal Dispersion flow switch c/w cable. Measuring range: Water: 1~150 cm/s Oil: 3~300 cm/s Temperature: -20~80°C. Pressure: 100 bar max. Alarm output: Open collector NPN / PNP (<400mA). LED indication: Provides visual indication of flow. Housing: 316SS. Enclosure: IP67. Response time: Approx. 10 seconds. Process connection: G1/4". Other sizes available on request. Power supply: 19~30Vdc. Power consumption: 50mA max. Plug cable length: 2 metres.	\$790.00
SP200RNC	As above: but with Relay alarm output.	\$865.00



SP200RNC - relay output



The Thermal Flow Switch Monitor SP200 housing is made of stainless steel, suitable for high pressure, high temperature application. Because of its rugged structure and no moving parts, it can be maintenance-free for most applications.

Level and flow switches



SE280CCRG



SE111C



FF80EFM



FF81EFM



FF10CEQ



SF1800

MODEL	DESCRIPTION	PRICE
SE280CCRG SE280CCRH	Side mounted rotary level switch. Temperature: -20~70°C. Rotary speed: 1 RPM. Power supply: 240Vac, 50/60 Hz. Switch: 3 amp, 250Vac. SPDT. Mounting: 3/4" BSP. Housing: IP65 / PC. Cable length: 3m. Cross paddle type. Scimitar paddle type.	\$390.00 \$390.00
SE111C	Side mounted rotary level switch. Temperature: -10~70°C. Rotary speed: 1 RPM. Power supply: 240Vac, 50/60 Hz. Switch: 5 amp, 250Vac. SPDT. Mounting: 1" BSP or SS flange 155mmØ. Housing: IP65. Paddle: 304 SS.	\$605.00

MODEL	DESCRIPTION	PRICE
FF80EFM	Side mounted magnetic level switch. Anti -Acid/Alkaline. Flange mount. Temperature: -10~80°C. Switch: 50W/60VA. SPDT reed switch. Magnetic actuation. Mounting: Polypropylene flange. Housing: IP65. Polypropylene. Float: Polypropylene, SG 0.6. 44mmØ cylindrical.	\$765.00
FF81EFM	Side mounted magnetic level switch. Anti -Acid/Alkaline. Bulkhead mount. Temperature: -10~80°C. Switch: 50W/60VA. SPDT reed switch. Magnetic actuation. Mounting: M20 bulkhead with nut. Cable: 3m 3 core PVC. Float: Polypropylene, SG 0.6. 44mmØ cylindrical.	\$630.00

MODEL	DESCRIPTION	PRICE
FF10CEQ FF20CEQ	Side mounted float level switch. Pressure: 15 bar. Switch: 50VA. 250Vac. SPDT. Mounting: 1.5" BSPT. Housing: IP65. Aluminium. Float: 304 SS, SG 0.6. 41mmØ cylindrical. Standard temperature: -25~100°C. Micro Switch: rating 5A/250Vac. High temperature: -25~200°C. Reed Switch: rating 1A/30w 220Vac.	\$596.00 \$685.00

MODEL	DESCRIPTION	PRICE
SF1800	Vertically mounted flow switch. Temperature: -30~150°C. Pressure: 24 bar (355 psi g) Switch: 60W/230Vac. SPDT. Mounting: 1" BSP. Housing: IP65. Aluminium. Paddle: 304 SS. Other wetted parts: teflon.	\$460.00