

Liquid level switches

MODEL	PART No	DESCRIPTION	PRICE
4100	24221	Side mounted level switch. S.G. 0.8 Temperature: -34~150°C. Pressure: 62 bar max. Switch: 20VA. SPDT. Mounting: 1" NPT. Stem: Brass. Float: 316 SS. 2" Spherical.	\$380.00
4100	24227	Side mounted level switch. S.G. 0.7 Temperature: -34~150°C. Pressure: 69 bar max. Switch: 20VA. SPDT. Mounting: 1" NPT. Stem: Brass. Float: 316 SS. 1" Cylindrical.	\$380.00
4400	24237	Side mounted level switch. S.G. 0.7 Temperature: -40~107°C. Pressure: 10 bar max. Switch: 20VA. SPST. Mounting: 1/2" NPT. Stem: Polysulfone. Float: Polysulfone. 11/16" Cylindrical.	\$65.00
4400	24238	Side mounted level switch. S.G. 0.7 Temperature: -40~107°C. Pressure: 10 bar max. Switch: 20VA. SPST. Mounting: 1/2" bulkhead with nut. Stem: Polysulfone. Float: Polysulfone. 11/16" Cylindrical.	\$73.00
4200	24251	Top mounted level switch. S.G. 0.65 Temperature: -40~107°C. Pressure: 5 bar max. Switch: 20VA. SPST. Mounting: 1/8" NPT. Stem: Polysulfone. Float: Polysulfone. 1" Cylindrical.	\$65.00
4200	41003	Top mounted level switch. S.G. 0.7 Temperature: -40~150°C. Pressure: 27 bar max. Switch: 20VA. SPST. Mounting: 1/8" NPT. Stem: 316 SS. Float: 316 SS. 1" Cylindrical.	\$143.00
4700	41302	Top mounted level switch. S.G. 0.65 Temperature: -40~150°C. Pressure: 50 bar max. Switch: 100VA. SPST. Mounting: 1/4" NPT. Stem: 316 SS. Float: 316 SS. 54mm Spherical.	\$170.00



4100-24221



4100-24227



4400-24237



4400-24238
Bulkhead



4200-24251



4200-41003



4700

Specific gravity of liquids:	
Petrol	0.700
Kerosene	0.800
Olive oil	0.920
Water	1.000
Sea water	1.025
Milk	1.030
Sulfuric acid	1.140
Glycerine	1.260
Mercury	13.595

Liquid flow switches

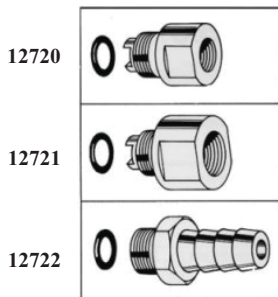


2400 2500

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



12720

12721

12722



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

Liquid flow switches

MODEL	PART No	DESCRIPTION	PRICE
1200	18271 2.83 to 22.7 l/m	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.	\$500.00
	18272 7.57 to 30.3 l/m		
2000	18273 18.9 to 56.7 l/m	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
	12666 1.89 l/m		
	12667 3.78 l/m		
	12668 5.67 l/m		
	12669 7.57 l/m		
	12670 9.46 l/m		
12671 11.3 l/m			



1200



2000

www.thomasprod.com

Thermal Dispersion flow switch

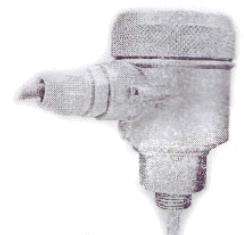
The Thermal Flow Switch Monitor SP200 is based on the principle of thermal dispersion. A typical configuration uses two Temperature Detectors set within the tip of the sensor.

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.