OEM Automatic Ltd
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ANDERSON NEGELE - CALORIMETRIC FLOW SWITCH

FTS 141



- Caliormetric Measuring Principle
- Measuring Range 10…300 cm/s
- Operating Pressure Max 60 bar
- Approvals: FDA; EHEDG; 3-A

PRODUCT DESCRIPTION

Calorimetry is the industry standard for flow switching/monitoring in food processing, utilising pulsed heating technology to determine a flow rate these sensors are lower cost option for flow monitoring, where more expensive and accurate options are simply unnecessary. The Anderson Negele FTS is built to the highest standards, is made completely from stainless steel and is designed specifically for hygienic applications as you would expect. With a flow optimised tip design to reduce the probes impact on media flow, the FTS also has a short response time and is insensitive to temperature shocks in your system.

The FTS also has a self protection built in, should it see high temperatures to protect it against thermal damage. It turns itself off and has a self reset once the temperature has reduced to a safe level. With an optional digital display to show you what percentage of your flow range is taking place in your application, there is a local indication of when the desired flow rate has been reached via an LED and the device has a switched PNP output for feeding in to your PLC.

Application Examples:

- Flow monitoring in pipes from DN 25
- Dry-run pump protection
- Filter monitoring
- Agitators
- Cooling loops
- Suitable for highly pure, aqueous media without particles or solids (e.g. ultra-filtered media, cola)
- FDA Certified

Please refer to the image below for ordering information.

Order code direct process connection in one piece design

FTS-741	Calorimetric Flow Sensor with switch output, direct process connection			
	Process connection			
	C10	(Tri-Clamp 1½")		
	C20	(Tri-Clamp 2")		
		Cap		
		X	(Plastic without window)	
		P	(Plastic with control window)	
		M	(Metal without control window)	
		W	(Metal with control window)	
			Surface finish	
			XX	(0.8 microns / 0.8 µm)
FTS-741 /	**C20 /**	**X /**	**XX**	

Order code CLEANadapt G1/2" process connection		
FTS-141	Calorimetric Flow Sensor with switch output, CLEANadapt G1/2" process connection	
	Cap	
	X	(Plastic without window)
	P	(Plastic with control window)
	M	(Metal without control window)
	W	(Metal with control window)
FTS-141 /	X	

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TECHNICAL DATA

Approvals	FDA
Area of apllication	Food
Flow area max	2 m/s
Flow area min	0.1 m/s
IP class	IP69K
Material cover	Polycarbonate
Material of sensor housing	Stainless steel 1.4308
Material of wetted parts	Stainless steel 316L
Pressure range max	10 bar
Response time	5000 ms
Surface finish	0.8 µm Ra
Temperature ambient from	-20 °C
Temperature ambient to	70 °C
Temperature of media from	0 °C
Temperature of media to	100 °C