



Thermal Dispersion Flow Switch
Non-Mechanical, Low Pressure Drop

Models Select Chart

EXAMPLE	TDFS	1	P	10	Series TDFS-1-P-10 Thermal Dispersion Flow Switch, 316SS and polysulfone body, PVC jacketed cable, 10' length.
SERIES	TDFS				Thermal Dispersion Flow Switch
CONSTRUCTION		1 2			316SS and Polysulfone Body Glass Seal
CABLE TYPE			P B		PVC Jacketed Cable Burial Rated Cable
CABLE LENGTH				03 06 10 15 20 25 30 35 40 45 50	3 Ft. Cable 6 Ft. Cable 10 Ft. Cable 15 Ft. Cable 20 Ft. Cable 25 Ft. Cable 30 Ft. Cable 35 Ft. Cable 40 Ft. Cable 45 Ft. Cable 50 Ft. Cable

Accessories

Model	Description
100571-00	Replacement set point magnet

Specifications:-

Service	:	Compatible water-based fluids.
Wetted Materials	:	316 SS, Polysulfone, and FKM.
Setpoint Range	:	0.5 to 10 ft/s (0.15 to 3.0 m/s).
Repeatability	:	0.07 ft/s +3% of setpoint.
Typical Deadband	:	0.1 ft/s +15% of setpoint.
Temperature Limits	:	Process: 5 to 185°F (-15 to 85°C) (non-freezing); Ambient: 5 to 167°F (-15 to 75°C), Storage: -40 to 185°F (-40 to 85°C).
Pressure Limits	:	300 psig (20.67 bar).
Response Time	:	Approximately 8 s.
Power Requirement	:	9 to 24 VDC.
Switching Current	:	400 mA, derate 5 mA/°C above 23°C.
Current Consumption: Average	:	93 mA, Peak: 300 mA.
Electrical Connection		4 conductor 22 AWG, 6' (1.83 m) long with cable gland.
Process Connection	:	1/2" NPT male.
Agency Approvals	:	CE.