The SERIES FS-2 Vane Flow Switches offers an economical flow proving solution. The FS-2 paddles are adjustable to fit 1 to 8” size pipe.

**FEATURES/BENEFITS**
- Field adjustable set point adjustment screw allows for easy flow switch modification
- Custom application set points enabled by field adjustable vane layers
- Aluminum weatherproof housing permits outdoor installation

**APPLICATIONS**
- Boiler flow proving
- Hot water heaters
- Chillers
- Cooling lines
- Machinery
- Liquid transfer systems

### VANE FLOW SWITCH
Low Cost, Field Adjustable Set Point and Paddle

**SERIES FS-2**

**FEATURES**
- Non-Mechanical
- Low Pressure Drop
- Impulse thermal dispersion technology

**SPECIFICATIONS**
- Service: Compatible liquids
- 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: 5 to 185°F (-15 to 85°C) (non-freezing); 5 to 315°F (-15 to 157°C) (freezing)
- Pressure Limits: 300 psig (20 bar)
- Response Time: Approximately 8 s.
- Power Requirement: 0 to 24 VDC
- Switching Current: 10 mA

**APPLICATIONS**
- Boiler flow proving
- Hot water heaters
- Chillers
- Liquid transfer systems

**MODULE CHART**

**OPTIONS**
- To order add suffix: Description
  - -BSPT Process connection
  - -CND Conduit connection, 1” NPT female conduit connection with no wire leads.

**SERIES FS-2**

Paddle flow switch

**FS-2-BSPT**

Conduit connection, 1” NPT male conduit with no wire leads.

**FS-2-CND**

Conduit connection, 1” NPT female conduit connection with no wire leads.

**NOTE:**
- USA: California Proposition 65
- WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

---

**THERMAL DISPERSION FLOW SWITCH**
Non-Mechanical, Low Pressure Drop

**SERIES TDFS**

**FEATURES**
- Thermoelectric principle
- No moving parts
- No pressure drop

**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: 5 to 185°F (-15 to 85°C) (non-freezing); 5 to 315°F (-15 to 157°C) (freezing)
- Pressure Limits: 300 psig (20 bar)
- Response Time: Approximately 8 s.
- Power Requirement: 0 to 24 VDC
- Switching Current: 10 mA

**APPLICATIONS**
- Boiler flow proving
- Hot water heaters
- Chillers
- Liquid transfer systems

**MODULE CHART**

**OPTIONS**
- To order add suffix: Description
  - -TFC Process connection

**TDFS-T-06**

Thermal flow switch, 6” cable with cable gland

**NOTE:** Consult factory for longer cable lengths