



F9000 Flow Meter Accessory

F9001/9002/9003 Description

VF9000-002.00-13/04

Strainer could filter required size impurity and foreign material from the medium so as to ensure the normal running of the Flow Meter and prolong the lifetime of the Flow Meter. Detached version and Y version strainers have their unique structures and can be easily disassembled for cleaning the mesh or changing it.

F9001 Common Strainer



Specification

- Size : 2" to 24" (50 to 600mm)
- Working Pressure: up to 915psi (63bar)
- Working Temperature: -40 to 662° F (-40 to +482°C)
- Mesh Material: SS304, SS316
- Pressure Drop: 4.35psi

F9003 Y-Strainer



F9002 Quick Detached Strainer



Specification

- Size: 1 1/2" to 12" (40 to 300mm),
- Working Pressure: up to 915psi (63bar)
- Pressure Drop: 4.35psi
- Mesh Material: SS304, SS316
- Working Temperature: -4 to 302° F (-20 to +150°C).

Specification

- Size : 1/2" to 3" (15 to 80mm),
- Working Pressure: up to 580psi (40bar)
- Working Temperature: -22 to 662° F (-30 to +350°C)
- Mesh Material: SS304, SS316
- Pressure Drop: 4.35psi.

F9004 Strainer and Air Eliminator



Description

F9004 strainer and air eliminator is mainly applied to filter out solid impurities and air from the flow, thus to keep the normal work and accuracy of Flow Meter

Specification

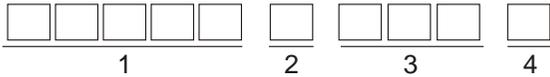
- Size: 2" to 32" (50 to 800mm),
- Working Pressure: up to 915psi (63bar),
- Ambient Temperature: -22 to 158° F (-30 to +70°C),
- The ratio of Inlet Area to Mesh Area: 1:25,
- Pressure Drop: 4.35psi,
- Mesh Material: SS304, SS316
- Working Temperature: -4 to 302° F (-20 to +150°C) (Quick Detached Version)
-40 to 302° F (-40 to +150°C) (Common Version);
- Medium Viscosity: 0.4 to 3000 mPa · s

※ The specifications contained herein are subject to change without notice and any user of said specifications should verify from the manufacturer that the specifications are currently in effect. Otherwise, the manufacturer assumes no responsibility for the use of specifications which may have been changed and are no longer in effect.



F9000 Flow Meter Accessory

Model selection



1. F9001, F9002, F9003, F9004,
2. 1-232psi(16bar), 2-363psi(25bar), 3-580psi(40bar), 4-928psi(64bar)
3. DN: 015-15mm, 100-100 mm, 025-25mm, 040-40mm, 050-50mm, 065-65mm, 080-80mm, 125-125mm, 150-150mm, 200-200mm, 250-250mm, 300-300mm,
4. Medium temperature: 1)-4 to 176° F(-20 to 80°C), 2)-4 to 248° F(-20 to 120°C), 3)-4 to 302° F(-20 to 150°C)

F9005 Signal Generator

Description

The Signal Generator is a photo electric device used to provide two kinds of output signals proportional to unit volume while maintaining a mechanical meter-to-register link. It can provide single and dual pulse output or 4-20mA current output. Signal outputs are electrically 90° out-of-phase and are used primarily for pulse security. Although designed for use in meter proving, the dual pulse output can be used on any application requiring a high resolution signal indicating throughput or rate of flow.

Features

- Converts mechanical rotation into electrical signal
- Adapts to most meters
- Self-contained, optical encoder
- No calibration adjustment required
- Maintenance-free
- Long distance operation
- Low output impedance
- Low torque and low speed

Specification

Power Requirements

VCC: 10 to 30 VDC $\pm 10\%$
30 to 80 mA (Depending on Input voltage/Output configuration).

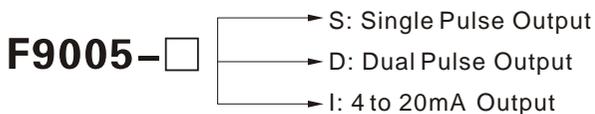
Shaft Speed

- 0 to 300rpm

Pulse Signal

- Standard: 1000Hz/r
- Error: ± 1 Pulse
- Pulse Voltage (Peak to Peak): $V_L < 1V$ $V_H = V_{CC} - 1V$
- Waveform: Square Wave
- Load Resistance: $\geq 10K$ ohm
- Pulse A&B: Dual Output 90° Electrically Out-of-Phase
- Phase Error: 10° Max.
- Other frequency selections are available consult factory

Model Selection



4 to 20mA Output

- Response Frequency: 0 to 10000Hz
- Load: 0 to 800 ohm
- Response Time: < 1 second

Ambient Requirements

- Temp.: -4 to 140° F (-20 to 60°C)
- Humidity: (5% to 95%) RH

Shipping Weight and Volume (Approximate)

- 2.5 kg @ .003Cu. Meters

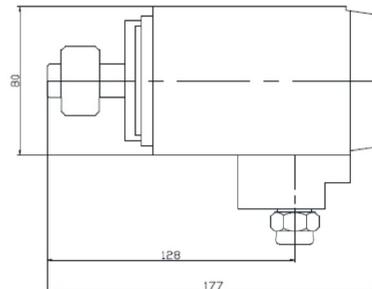
Connections

- 1/2" Conduit

Enclosure

- Protection: IP65

Dimensions



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