Turbine Flow Meter

Summary Specification Sheet

FT Series

FT Series
- Precision, axial mounted rotor
- Accuracy 0.10%, repeatability 0.05%
- Temperature range, -450°F to 750°F, dependent on bearing
- Pressure range, up to 30,000 psi, dependent on fitting
- Suitable for the majority of flow applications
- Line sizes from 3/8” to 4”
- Flow range 0.03 to 1,500 GPM liquid (0.09 to 1500 ACFM gas)
- Response time < 10mS
- High turndown > 100:1

HS Series

HS Series
- Specifically designed for high pressure & hydraulic shock applications
- Utilizes special, reinforced rotor blades
- Stepped housing design eliminates down stream retaining ring
- Anti-rotation pin ensures supports remain rigidly in place
- Accuracy 0.10%, repeatability 0.05%
- Line sizes from 3/8” to 2”
- Flow rates from 0.03 to 450 GPM

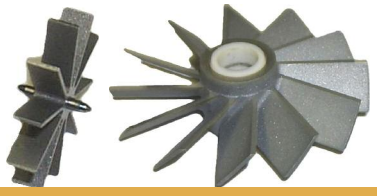
FTO Series

FTO Series
- Precision tangential flow meter designed for very low flow rates
- Accuracy < 0.25%, repeatability <0.20%
- Low flow rate
  - 0.001 GPM (3.78 mLPM) for liquid
  - 0.0015 ACFM (2.5 LPH) for gas
- Pressure range 400 BAR (5,800 psi)
- Compact face to face

SA Series

SA Series
- Sanitary turbine
- Accuracy < 0.25%
- < 25Ra surface finish
- Tri-Clamp connection
- Ceramic journal bearing standard
- Line sizes from 1/2 to 2”
- Flow rates 0.1 to 250 GPM
- Temperature range up to 350°F (177°C)
- Withstands SIP

Turbine Summary Specification Sheet



Ball Bearings
- Lubricating fluids
- Low frictional drag provides widest turndown
- Operating temperature -450°F to 300°F
- 440C stainless steel construction
- Exceptional life & rugged construction
- Ceramic ball bearings for low lubricating fluids

Journal Bearings
- Low or non-lubricating fluids
- Hard bearing material provides long life
- Rugged construction
- Withstand higher levels of fluid contamination
- Tungsten carbide (non lubricating) -100°F to 1200°F
- Graphite (corrosive applications) -100°F to 550°F
- Ceramic (non lubricating - impervious to most materials, not as robust as Tungsten carbide) - 100°F to 800°F

Pivot Bearing
- Precision
- Ultra low flow

CA03 / Amplified Link
- Conditions modulated carrier
- Long range transmission (>1 mile)
- 10 Volt pulse output
- Frequency proportional to flow
- Remote or integral mount
- 24 VDC powered

Linear Link (RF or Mag)
- Linearizes outputs to 0.10%
- Fast 10mS response time
- 10 to 32 VDC power
- Frequency & Analog output
- Windows software programmable
- Rugged display option (shown)

microLinK Smart Pickoff
- Weighs only 65 grams
- Linearizes to 0.10%
- Built-in viscosity & density correction
- <20mS response time
- Rotor blade averaging
- Mass or volume output
- CANbus output
- Analog output for mass or volume rate
- -40 C to 125 C, standard

microLinK Display
- Display of rate, total, temperature, node ID, active fluid index, active fluid name
- Single or A-B display option
- CAN diagnostics

TWA (Mag or RF)
- Isolated 4-20mA output
- Available in potted module or polypropylene NEMA 4X & explosion proof enclosures
- Long range transmission
- Loop powered 12-50 VDC
- FM/CSA/CENELEC approved for IS requirements

Link TCI
- Linearizes outputs to 0.10%
- Built in viscosity & density correction
- <20mS response time
- Remote or integral
- Rotor blade averaging
- Raw freq., digital, analog, RS232
- Mass or volume flow output

SL9000/9100/9200 Series
- Pulse inputs
- Two line backlit LCD display
- Up to 40 point linearization
- Batch control relay output
- Volumetric or mass display
- Gas or liquid flow computer
- Pressure & Temperature inputs
- 4-20mA outputs
- Alarm outputs (relay)
- RS-232 port or optional RS485

FTI FLOW TECHNOLOGY™

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