Product Set
Sanitary Vortex Meter with HART and Modbus Communication

Unique Messages
- Only 3A Approved Sanitary Vortex meter in the market
- The 84CS Model is an extension of the 84C Series and replaces the current 84S
- Unique shedder design provides best-in-class accuracy (±0.5% liquids, ±1.0% gas & steam)
- Design allows for in-line cleaning (CIP) and sterilize process (SIP) at temperatures To 350°F / 177°C

Key Drivers
- Low Cost of Ownership
  - No Moving Parts = minimal maintenance
  - Direct Sense Technology = No Shift in K-factor
- Crevice-free design
- Lifetime warranty

Main Highlights
- Modbus or HART communication protocols
- New, easy to use 7- Step Configuration Wizard
- Quick-disconnect sanitary end connections
- Mappable flow on 4-20mA or Pulse outputs from one device (HART version)
- Time in Service Clock, track run time and assist with maintenance

Unique Differentiators
- *DirectSense*TM technology:
  - No shift in K-factor
  - High reliability
    - Lifetime Warranty on Sensor
  - Provides best-in-class performance
  - Increased measurement sensitivity for wider rangeability
  - Greater immunity to pipe vibration
- Best in class accuracy
  - Volumetric flow rate accuracy of ±0.5% of reading in liquids, ±1.0% in gas & steam

Commercial Approach
- Simplify field installation with Quick-Disconnect sanitary fittings
- Low power sanitary flowmeter (competes with High-Power Magflowmeter)

Target Applications
- Clean in Place applications
- Sterilize in Place applications
- Food and Beverage process monitor and control
- Monitoring and control in Pharmaceutical applications
- Dairy installations

Value proposition
- DTM Configuration Wizard: Only 7 simple steps streamline setup/commissioning
- High turn down
  - 40:1 typical for Liquids
  - 20:1 typical for Gas/Steam
- No Calibration Drift
  - K-factor not impacted by changes in fluid properties
  - Calibrated on Water
  - Calibration holds true for both liquids and gasses
- Small Footprint
  - Ease of Use
  - Ease of Installation
- High Value
  - Suitable for some mass flow applications replacing Coriolis meters, at 1/3 the cost
- 2" and 3" (DN50 & DN80) line sizes

Electrical Certifications
- With Intrinsically safe and Explosion-Proof/ Flame-proof certifications for FM,CSA, ATEX, IECEx

Voltage Supply
- The 84C Modbus operates with a 9 – 30 VDC supply.
- The 84C HART operates with a 15.5 – 42 VDC supply.
- Low Power version 10 – 42 VDC supply.

Tools and Sales Material
Link for SE employees, End User Campus (M&I Page) : https://spiceportal.schneider-electric.com/web/industry-end-users-and-sis-campus/home

Link for Reps and Partners, PRM: https://partner.schneider-electric.com/partners/Menu/login