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ANDERSON NEGELE - TURBINE FLOWMETER HM-E & HMP-E

HM-E



- Hygienic design, Confirmed by 3-A Certification
- High media resistance due to stainless steel 316L and Rulon™ bearings
- FDA Approved
- 2-Part housing ensures simple cleaning and maintenance

PRODUCT DESCRIPTION

The Anderson-Negele HM-E is a turbine inductive flow meter of very high build quality and is designed to be simple and easy to maintain with a two part housing that is simple to disassemble and clean. It is constructed from 316L stainless steel to offer a high resistance to aggressive media and has Rulon™ bearings to match the body material for media compatibility. This meter is an FDA approved alternative to paddle wheel and variable area meters where the media is of a low viscosity and it can also work with non conductive media, where a magnetic inductive flow meter would not be possible to use.

The H-ME flow meter is a compact size and comes with process connections you would expect for a hygienic instrument with the nominal widths according to ASME BPE and DIN 11850 Series 2. The output is a pulsed frequency for easy volumetric measurement and comes in sizes from ¾" up to 2". There are options for an analogue output and also a display should you need a live indication of your flow rate. It has a built in flow conditioning system to reduce wear on the components and improve accuracy whilst lowering pressure drop across the sensor. This is an accurate and fast responding sensor that is ideal for use with such media as filtered fruit juice or beer, alcohols, light oils, saline solutions, cleaning agents and acids.

Application Examples & Design Features:

- Measurement of flow and volume of pure low-viscosity media in food and pharmaceutical applications
- Process water, demineralised water, aqueous media such as filtered fruit juice or beer, alcohols, light oils, saline solutions, cleaning agents, and acids
- Hygienic design, confirmed by 3-A certification
- 2-part housing ensures simple cleaning and maintenance
- High media resistance due to stainless steel 316L and Rulon™ bearings
- Nominal widths according to ASME BPE and DIN 11850 Series 2
- Universal clamp connection

Please refer to the image below for ordering information.

Order Code

HM-E (Turbine flowmeter for food applications; additionally required: signal probe HTE000)

HMP-E (Turbine flowmeter for pharmaceutical applications; additionally required: signal probe HTE000)

Tube nominal width

020	(DN20 / 3/4")
025	(DN25 / 1")
040	(DN40 /1½")
050	(DN50 / 2")

Tube standard

1	(DIN 11850 Series 2 or DIN 11866 Series A)
2	(ASME BPE)

Model

00	(standard)
01	(3/4" NPT threaded connection for integral display)

HMP-E 050 1 00

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TECHNICAL DATA

Approvals	3-A, FDA
Area of apllication	Food
IP class	IP69K, NEMA Type 4X
Material chain	Stainless steel AISI 304
Material of rotor	Stainless steel 316L
Material of seals	PTFE
Material of sensor housing	Stainless steel AISI 304
Material sensor	Stainless steel 316L
Material storage	Rulon 123™
Pressure range max	10 bar
Surface finish	0.8 µm Ra
Temperature ambient from	-40 °C
Temperature ambient to	85 °C
Temperature of media to	150 °C

