KEM Pharmaceutical Industry

Application Spotlight

Filling saline infusion solutions

HIGHLY ACCURATE DOSING IN HYGIENIC APPLICATION

Technical Data

Medium:	Saline infusion solution (0.9 % sodium chloride solution)
Temperature:	+20 °C [68 °F]
Pressure:	5 bar [15 psi]
Measuring range:	1 l/min
Viscosity at 20 °C:	1 mPa*s
Density at 20 °C:	1.005 g/cm³

Application

After the production of saline infusion solutions in the pharmaceutical sector, they must be filled with high precision into special 100 millilitres or 1 litre polyethylene bottles. These are delivered to end customers such as hospitals, medical institutions, medical personnel and also patients directly in their homes

If the filling is done by a manual dosing station, the exact volume flow can be controlled by KEM Turbine Flow Meters.

Solution

KEM Turbine Flow Meter (HM TRI Series).

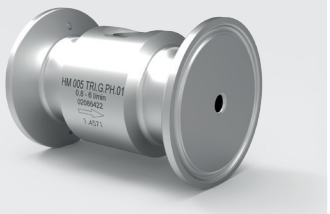
The Turbine Flow Meter made of high-quality stainless steel with TriClamp connections measures the volume flow. The frequency signal from a carrier frequency pulse amplifier is used to transmit actual values and to control the pneumatic membrane pump with integrated control valve.

Advantages

- Clamp process connection for hygienic application
- Easy integration into a manual dosing station
- Fast, dynamic response in intermittent operation
- Dead space optimized design with flush holes for optimal cleaning
- CIP capable

Certificates:

- *Pressure Equipment Directive 97/23/EC, 2014/68/EU*
- *HP0 - Certification*
- *Explosion protection according to 2014/34/EU*
- *CSA/UL - Certification*
- *Accreditation according to ISO 17025*



KEM Turbine Flow Meter (HM TRI Series)

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