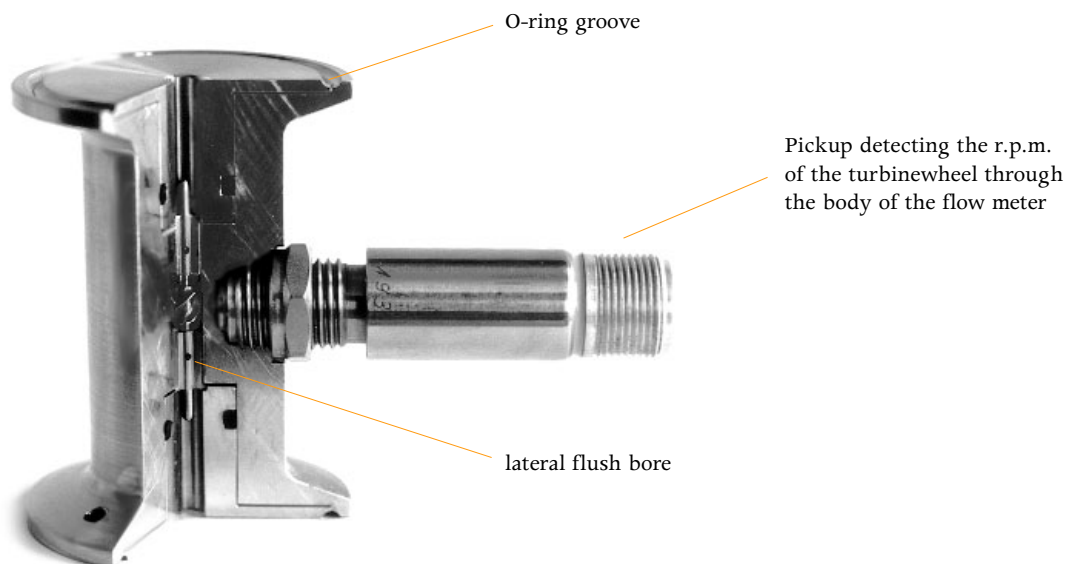


HM...FT Turbine Flow Meters for pharmaceutical Applications

For sanitary and purity reasons HM...FT meters have the following features:

- Threadless tube fittings type »Tri-Clamp« as per DIN 32676
- Special construction eliminating dead spot
- Slide bearings with lateral bores to enable flush processes



Moreover, we manufacture all HM..FT meters from the following materials which are approved of in terms of physiological applications:

- Housing: stainless steel as per DIN 1.4571 (AISI 316 Ti)
- Internal parts: stainless steel as per DIN 1.4571 (AISI 316 Ti)
- Wheel: stainless steel as per DIN 1.4460 (AISI 329)
- Bearings: Teflon

The principle corresponds to our standard turbines type HM...E, HM...E.

Technical Data

| Type | Dia tube | Meas. range ltr./min | K-factor ¹⁾ pulses/ltr, ± 5% | Frequency 0-max. Hz | A mm | L ²⁾ mm | d3 mm | d4 mm |
|------------|-------------|-------------------------|--|------------------------|---------|-----------------------|----------|----------|
| HM 3 FT | 25 | 0.3 to 1.5 | 32,000 | 1.000 | 4 | 68 | 50.5 | 43.5 |
| HM 3/4 FT | 25 | 0.5 to 4 | 24,000 | 1.250 | 4 | 68 | 50.5 | 43.5 |
| HM 5 FT | 25 | 0.8 to 6 | 17,800 | 1.740 | 5 | 68 | 50.5 | 43.5 |
| HM 5/10 FT | 25 | 1.2 to 10 | 11,000 | 1.750 | 5 | 68 | 50.5 | 43.5 |
| HM 7 FT | 25 | 2 to 20 | 3,200 | 1.800 | 7 | 68 | 50.5 | 43.5 |
| HM 9 FT | 25 | 3.3 to 33 | 1,900 | 2.400 | 9 | 68 | 50.5 | 43.5 |
| HM 11 FT | 25 | 6 to 60 | 1,300 | 2.800 | 11 | 68 | 50.5 | 43.5 |
| HM 13 FT | 40 | 8.5 to 85 | 900 | 3.000 | 13 | 150 | 50.5 | 43.5 |
| HM 17 FT | 50 | 12 to 120 | 380 | 1.600 | 17 | 197 | 64.0 | 56.5 |
| HM 19 FT | 50 | 15 to 150 | 310 | 1.600 | 19 | 197 | 64.0 | 56.5 |
| HM 22 FT | 50 | 20 to 200 | 217 | 1.600 | 22 | 197 | 64.0 | 56.5 |
| HM 24 FT | 50 | 25 to 250 | 170 | 2.000 | 24 | 197 | 64.0 | 56.5 |
| HM 28 FT | 50 | 30 to 360 | 155 | 2.000 | 28 | 197 | 64.0 | 56.5 |
| HM 30 FT | 50 | 35 to 400 | 130 | 1.850 | 30 | 197 | 64.0 | 56.5 |

1) Average values for the mean K-factor, exact values can be taken from the individual calibration records.

2) Dimension L, d3 and d4 as per DIN 32676

Dimensional Drawing

(dimensions as per above table)

