

Heated Flow Meters for Hotmelt Applications

Medium temperatures up to +180 °C



KEM

Küppers Elektromechanik GmbH

Technical Data

ZHM 01/1 72.E.V Gear Flow Meter

SRZ 40 03.E.T Helical Flow Meter

Measuring ranges:

ZHM 01/1: 0.020 up to 2 ltr./min

0.4 up to 40 ltr./min



Linearity:

±0.5% of actual flow

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Repeatability:

0.1%

0.1%

K-Factor:

approx. 26,500 pulses/ltr.

approx. 3,500 pulses/ltr.

Operating temperature:

up to +180°C

up to +150 °C

Operating pressure:

630 bar

400 bar

Connections:

M 12 x 1.5 or
female threads G 1/4"

female threads G 3/4"

Materials:

body: SS 303
gears: SS 303
shafts: tungsten carbide
seal: Viton

body: SS 303
spindels: SS 303
shafts: tungsten carbide
seal: Teflon

Heating features

2 heater cartridges:

heating capacity 200 W at 230 VAC
6.5 x 60 mm

2 temperature probe:

PT 100
3.5 x 29 mm
(temperature controller not included)

Electrical Data

Output:

- push pull
 I_{out} max. 20mA
- voltage level NPN/open collector passive
 $U_{High} > U - (I_{out} \text{ (mA)} \times 1,300 \Omega)$
 $U_{Low} < 0.6 \text{ V} + (I_{out} \text{ (mA)} \times 1,300 \Omega)$
 $U_{max} = 30 \text{ V}$