

# **EVK** – 15 & 20mm Impeller Flowmeters - totaliser & pulse output

## FEATURES

- High pulse output rate for flowrate and precision batching applications.  
Running total and pulse option.
- Measures Water, Petroleum and low viscosity liquids.
- Two sizes and two temperature ranges.
- +/-2% accuracy flow curve.

The EVK series 20mm flowmeters are inferential impeller type meters, are available with:

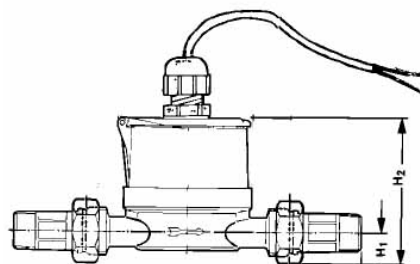
- 1/ **Reed switch pulse output:** 2-wire 2 metre cable.  
Internal 3.3K $\Omega$  current limiting resistor and 2 $\mu$ F capacitor fitted for debounce. For 5-25VDC switching.
- 2/ **Hall switch pulse output:** Hall Transistor pulse output type with 3-wire 2 metre cable. For 6-16VDC switching.
- 3/ **Mechanical totaliser and reed switch pulse output.**

The high rate pulse output model is suitable for process control and flowrate applications. It can be connected to the ManuFlo ME5-T LCD reset counter, FRT303 Rate/Total Indicator, ME995-7 Batch Controllers, or process instruments. Water or refined Petroleum liquids (oils not suitable) can be measured, with meter sizes 15 or 20mm (internal port size) and temperature ranges to 60°C and 90°C depending on the model. Due to the rotor impeller used, fluids with small impurities can pass through the meter without blockage.



EVK20MR pictured

	Pulses/Litre	Display	Temp °C	Flowrange Litres/min
<b>15mm models:</b>				
<b>EVK20H3</b>	40 Hall		90	2 to 45
<b>EVK20MR3</b>	1 Reed	Mech. Total	90	2 to 45
<b>EVK20M3</b>		Mech. Total	90	2 to 45
<b>20mm models:</b>				
<b>EVK20H5</b>	20 Hall			5 to 70
<b>EVK20MR5</b>	1 Reed	Mech. Total	90	5 to 70
<b>EVK20M5</b>		Mech. Total	90	5 to 70



EVK20R pictured

Accuracy curve @ +/-2% full scale flowrate. Maximum working pressure 1000Kpa, 12bar. Max. head loss 90Kpa @Qmax. Enclosure rating: IP58. Body thread ends 1" BSP(m), Connection thread ends 3/4" BSP(m). Weight 1kg including connectors. 20mm unit 3/4" bore, 15mm unit 1/2" bore. Dimensions mm: 80H, 80W, 220L with couplings.

### Material Specs:

Body: Brass/Chrome plated; Pressure plate: Brass/stainless steel shaft; Impeller: Polyprop/sapphire bearing/ceramic magnet; Display/pulse housing: polycarbonate; Connectors: brass. All meters supplied with coupling connector kit.

**ManuFlo**®™  
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