

**FC-VZO**  
Brass  
Residential / Domestic  
Oil Meter  
BSP Threaded



Elster Honeywell FC-VZO screwed oil meters provide an accurate and reliable way of obtaining all the information a user needs to measure and control oil usage.

These meters are suitable for a variety of low-flow duties including checking and totalising fuel for heating systems, diesel engines and recording draw off from storage tanks in residential, domestic and small marine vessel installations.

**Features & Benefits**

- Accuracy of down to  $\pm 1\%$
- IP50 protection class
- For diesel, light & medium grade oils
- Connections on bottom plate
- Can be installed in any position
- Optional factory fitted pulse output

**Pressure & Temperature**

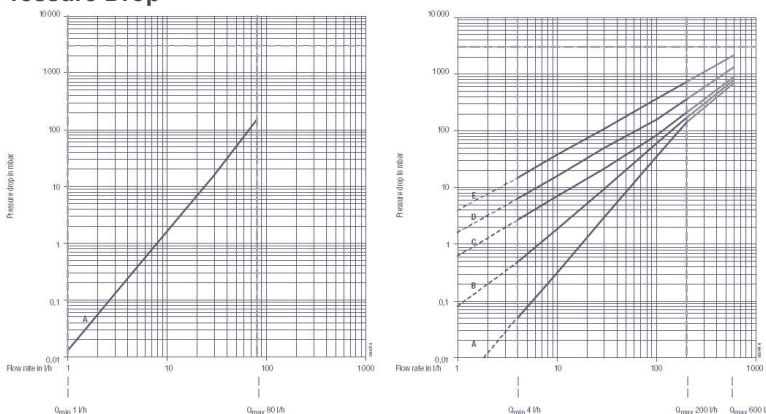
Maximum pressure:-  
24 bar

Temperature range:-  
 $-30^{\circ}\text{C}$  to  $80^{\circ}\text{C}$

SPECIFICATIONS		FC-VZO4	FC-VZ08
Connections (On bottom plate)	BSP Female	$\frac{1}{8}$	$\frac{1}{4}$
A (Width & Depth)		68	68
B (Between Connections)		23	23
C (Height)		78	78
Weight	Kg	0.65	0.75
Maximum Flow Rate ( $Q_{\max}$ )	l/h	80	200
Maximum Continuous Flow Rate ( $Q_{\text{cont}}$ )	l/h	50	135
Minimum Continuous Flow Rate ( $Q_{\text{min}}$ )	l/h	1	4
Approximate Starting Flow Rate	l/h	0.4	1.6
Built In Safety Filter Mesh	mm	0.125	0.15
Maximum Oil Viscosity	cSt	6	6
Maximum Permissible Error of Actual Value	%	$\pm 1^*$	$\pm 1^{**}$
Pulse Output (Reed)	Pulse/Litre	1 pulse per 0.1 litre	
Pulse Maximum Switching Voltage, Current & Power		48vDC, 50mA & 2 W	

\* 0.5 to 1 l/hr :  $\pm 5\%$  & 1 to 2 l/hr :  $\pm 5\%$     \*\* 4 to 5 l/hr :  $\pm 2\%$

**Pressure Drop**



Viscosity diagrams: A = 5 mPa.s    B = 50 mPa.s    C = 100 mPa.s    D = 200 mPa.s    E = 500 mPa.s

For a pressure drop of more than 1 bar, it is recommended to use the next larger meter size.  
Maximum permissible pressure drop = 3 bar