

## VZO 15...50

### Technical data <sup>1)</sup>



- Volume display on roller counter, in litres
- fuel oil meter with threaded or flanged ends
- for horizontal, vertical or inclined mounting

Option: Reed pulser or RV / IN pulser

Versions available on request:

- different flange drillings, such as ANSI, JIS
- meters in US gallons <sup>2)</sup> (option)

Type			VZO 15	VZO 20	VZO 25	VZO 40	VZO 50
Nominal diameter	DN	mm	15	20	25	40	50
		inch	1/2	3/4	1	1 1/2	2
Installation length		mm	165	165	190	300	350
Nominal pressure with threaded ends	PN	bar	16				
	with flanges	PN	bar	25, 40			
Maximum temperature	T <sub>max</sub>	° C	130, 180				
Maximum flow rate	Q <sub>max</sub> <sup>3)</sup>	l/h	600	1500	3000	9000	30000
<b>Nominal flow rate</b>	<b>Q<sub>cont</sub> <sup>3)</sup></b>	<b>l/h</b>	<b>400</b>	<b>1000</b>	<b>2000</b>	<b>6000</b>	<b>20000</b>
Minimal flow rate	Q <sub>min</sub>	l/h	10 <sup>4)</sup>	30	75	225	750
Approx. starting flow rate		l/h	4	12	30	90	300
Max. permissible error			±1 % of actual value				
Repeatability			±0.2 %				
Safety filter mesh size		mm	0.400	0.400	0.400	0.800	0.800
<b>Dirt filter mesh size</b>		<b>mm</b>	<b>0.250</b>	<b>0.400</b>	<b>0.400</b>	<b>0.600</b>	<b>0.600</b>
Volume of the measuring chamber		approx. cm <sup>3</sup>	12	36	100	330	1200
Housing finish			enamelled red RAL 3013				
Weight with threaded ends <sup>5)</sup>		approx. kg	2.2	2.5	4.2	17.3	–
	with flanges PN 25	approx. kg	3.8	4.5	7.5	20.3	41.0
	with flanges PN 40	approx. kg	4.4	5.5	7.8	20.5	42.0
Smallest readable amount		l	0.01	0.1	0.1	0.1	1
Registration capacity		m <sup>3</sup>	1000	10 000	10 000	10 000	100 000
Registration time at Q <sub>cont</sub> until overrunning to zero		h	2500	10 000	5000	1667	5 000
Pulse values of pulsers:							
IN inductive according to IEC 60947-5-6		l/pulse	0.01	0.01	0.1	0.1	1
RV Reed		l/pulse	0.1	1	1	1	10
RV Reed		l/pulse	1	–	–	10	100
Pulse frequency IN	at Q <sub>max</sub>	Hz	16.667	41.667	8.333	25.000	8.333
	at Q <sub>min</sub>	Hz	0.278	0.833	0.208	0.625	0.208

1) Manufacturer's specification, valid for the reference conditions as specified under Meter data.

2) 1 US gallon corresponds to 3.785 litres

3) For burners and engines or motors, the meter must be selected on the basis of the permanent flow rate. For higher viscosities, or if the meter is installed on the suction side, the pressure drop and any reduction in the measuring range must also be taken into consideration.

4) Min. flow rate VZO 15 with IN-pulser: 15 l/h

5) Weight without couplings.

### Pressure drop curves

See Meter data