

# CONTOIL® VZF 15...50

## Technical data 1)



- display of total volume, resettable volume, and flow rate in m<sup>3</sup>, litres or US gallons 2)
- user-friendly, interactive parameter input
- fuel oil meter with threaded or flanged connections
- for mounting in horizontal or vertical positions

Versions available on request:

- different flange drillings, such as ANSI, JIS

Type			VZF 15	VZF 20	VZF 25	VZF 40	VZF 50
<b>Nominal diameter</b>	<b>DN</b>	<b>mm</b>	<b>15</b>	<b>20</b>	<b>25</b>	<b>40</b>	<b>50</b>
		inch	1/2	3/4	1	1 1/2	2
Installation length		mm	165	165	190	300	350
Nominal pressure with threaded ends with flanges	PN	bar	16	16	16	16	16
	PN	bar	25	25	25	25	25
Maximum temperature	T <sub>max</sub>	°C	130, 180				
Maximum flow rate	Q <sub>max</sub> 3)	l/h	600	1500	3000	9000	30000
<b>Nominal flow rate</b>	<b>Q<sub>cont</sub> 3)</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	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 measuring chamber		approx. cm <sup>3</sup>	12	36	100	330	1200
Housing finish			enamelled red RAL 3013				
Weight with threaded ends 4)		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
Smallest readable amount:							
Total volume		l, m <sup>3</sup>	No decimal places				
Resettable volume		l, m <sup>3</sup>	1 decimal place				
Digital flow rate display		l/h	1 decimal place				
Registration capacity		l, m <sup>3</sup>	8 digits				
Registration time at Q <sub>cont</sub> until overrunning to zero		h	128 000	100 000	50 000	16 667	5 000
Outputs 5)							
Pulse value for totalisor		Vol./pulse	pulse value and width parameterisable				
Current 4..20 mA for flowrate		I <sub>4</sub> /Q <sub>1</sub> , I <sub>20</sub> /Q <sub>2</sub>	flow rates to 4 and 20 mA parameterisable				
Frequency for flow		f <sub>1</sub> /Q <sub>1</sub> , f <sub>2</sub> /Q <sub>2</sub>	frequency and flowrate parameterisable				
Limiting switch		Q <sub>min</sub> , Q <sub>max</sub>	minimum, maximum and hysteresis parameterisable				

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 be taken into consideration.

4) Weight without couplings.

5) Two freely selectable outputs are available, totally independent of each other.

## SARLIN

SARLIN OY AB • PL 750, 00101 Helsinki  
 Käyntiosoite: Kaivokselantie 3-5, 01610 Vantaa  
 Vaihde 010 550 4000 • Fax 010 550 4201  
 info@sarlin.com  
 www.sarlin.com