aqua metro
everything that counts

CONTOIL® VZF II
Fuel oil meter

NEW VZF II series with Mass signal

The new VZF II series with integrated temperature sensor for volume compensation and mass signal. Up to three outputs!

Features
- Integrated temperature sensor
- Mass & Massflow calculation
- Optional linearization
- Volume compensation
- “auto” detection of medium change

Benefits
- Multiple signals
- Compareable to Coriolis meter
- Increased full range accuracy
- Easier cable connection

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VD 7-120 e 05.2015

Specifications

NEW VZF II series with Mass signal

Type			VZF(A) II 15	VZF(A) II 20	VZF(A) II 25	VZF(A) II 40	VZF(A) II 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	16	16	16	16
with flanges	PN	bar	25	25	25	25	25
Maximum temperature	T_{max}	°C	130, 180				
Maximum flow rate	Q_{max} 1)	l/h	600	1500	3 000	9 000	30 000
Continuous flow rate	**Q_{cont} 1)**	**l/h**	**400**	**1000**	**2 000**	**6 000**	**20 000**
Minimal flow rate	Q_{min}	l/h	20	40	75	225	750
Approx. starting flow rate		l/h	4	12	30	90	300
Max. permissible error			±1 %, (A) ±0.5 % of actual value				
Repeatability			±0.2 %, (A) ±0.1%				
Safety filter mesh size		mm	0.400	0.400	0.400	0.800	0.800
Dirt filter mesh size		**mm**	**0.100**	**0.100**	**0.250**	**0.250**	**0.250**
Volume of measuring chamber		approx. cm^3	12	36	100	330	1200
Housing finish			enameled red RAL 3013				
Weight with threaded ends 2)		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^3, G		Up to 3 decimal places (dynamic)			
Total Mass		kg, t, lb		Up to 3 decimal places (dynamic)			
Digital flow rate display		(l, G, m^3, kg, t, lb) / (s, min, h)		Up to 3 decimal places (dynamic)			
Registration capacity		l, m^3, G		8 digits			
Registration time at Q_{cont} (m^3) until overrun			>100 years				
Outputs							
Three (2 pulse/freq., 1 4…20 mA)	freely selectable outputs are available, totally independent of each other.						
Pulse value for totalizer	Volume or Mass pulse 0…200 pulse/sec. (50% duty cycle)						
Current 4…20 mA for flowrate	Volume flow, Mass flow or temperature signal to 4…20 mA						
Frequency for flow	Volume flow, Mass flow or temperature signal to frequency 0…200 Hz (50% duty cycle)						
Limiting switch	Q_{min}, Q_{max}	minimum, maximum and hysteresis parameterized					
State switch	Alarm, Error	state and on/off parameterized					

1) For burners and engines or motors, the meter must be selected on the basis of the continuous 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.
2) Weight without couplings.

Änderungen vorbehalten / Sous réserve de modifications
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