

Selection of the optimal meter

Type	VZF 15-50	VZO 4-8	VZO 15-50	VZFA 15-50	VZOA 4-8	VZOA 15-50
Application						
Direct consumption measurement	●	●	●	●	●	●
Differential measurement	–	–	–	●	–	●
Measuring points with metrolog. approval / calibration (optional)	–	–	–	–	●	●
Measuring points with marine type approval (optional)	○	–	●	○	–	●
Most frequent areas of use						
Domestic / industrial burner	light/medium oil	●	●	●	●	●
	heavy oil 1)	●	–	●	–	●
Diesel engines	diesel oil	●	●	●	●	●
Ship motors	heavy oil 1)	●	–	●	–	●
Petrol engines		2)			–	
Common applications						
Heating systems	●	●	●			
Ships	●		●	●		●
Diesel locomotives	●	●	●	●		●
Trucks/coaches/construction machinery		●	●			●
Fuel types						
Light heating fuel	●	●	●	●	●	●
Medium heating fuel	●	●	●	●		●
Heavy heating fuel	●	–	●	●	–	●
Diesel	●	●	●	●	●	●
Petrol 2)		2)				
Display of flow data						
Total volume	●	●	●	●	●	●
Resettable volume	●	–	–	●	–	–
Instantaneous flow rate	●	–	–	●	–	–
Method of display						
LCD Electronic display	●	–	–	●	–	–
Total volume display on roller counter	–	●	●	–	●	●
Measuring error limits						
± 1% if actual value	●	●	●	–	DN 4	–
± 0,5% of actual value or smaller	–	–	–	●	DN 8	●
PTB approval	–	–	–	○	●	●
EC approval/verification	–	–	–	–	DN 4	–
	–	–	–	–	DN 8	●
Outputs 4)						
Current output	●	–	–	●	–	–
Digital outputs	4..20mA	–	–	●	–	–
	volume pulses	●	–	–	●	–
	frequency signal	●	–	–	●	–
	min/max limiting values	●	–	–	●	–
Pulsar (Option)						
Inductive, with decadic pulse value	–	–	●	–	–	●
Reed pulsar for remote totalisation	–	●	●	–	●	●

● applicable ○ on request
 – not applicable

Fuels and suitable	DN 4	DN 8	DN 15	DN 20	DN 25	DN 40	DN 50
Meter sizes							
Light heating fuel	●	●	●	●	●	●	●
Medium heating fuel	●	●	●	●	●	●	●
Heavy heating fuel	–	–	3)	●	●	●	●
Diesel	●	●	●	●	●	●	●
Petrol	2)	2)					

1) Only in accordance with the maximum mesh size of the dirt filter as per technical data.
 2) Determine conditions of use with supplier (other measured values!).

3) DN 15 only when the plant has a dirt filter with a max. 0.1 mm mesh size.
 4) Two freely selectable independent outputs are always available.

Application note

For viscosities higher than 5mPa.s or for installations on the suction side of a pump, pressure drop and possible limitation of flow range must be taken into consideration.