



VZO 4
VZO 8 RE
VZO 8 OEM

Aquametro Fuel Flow Meters

VZO Series fuel flow meters are mechanical meters with an internal threaded connection located on the bottom plate, a mechanical roller counter and volume display in litres.

VZO 4 is the standard version.

VZO 8 RE has a 48 V reed pulser to display measurement values on the remote totaliser or burner control unit.

VZO 8 OEM has lateral internal threaded connections and a 230 V reed pulser to display measurement values on the remote totaliser or the burner control unit. Dedicated for the original equipment manufacturers (OEMs). Must be mounted under the burner cover.

Applications

- Flow measurement of mineral oils such as heating and propellant fuels
- In burners, on-board ships, land vehicles and fixed installations
- Consumption monitoring and optimisation
- Manual dosing and batching
- Flow measurement for machine and motor/engine oils

Key Features

- Accurate measurement results
- Reading does not depend on the temperature and viscosity
- Robust, vibration-resistant design
- Easy to install in a horizontal, vertical or inclined position
- High operational safety
- Optional remote totaliser

Compatibility

✓ HCV5	✓ LCV5	✓ Pro5	✓ Trace5	✓ FM-Tco4 HCV
✓ FM-Tco4 LCV	✓ FM-Pro4	⊘ FM-Eco4	⊘ FM-Eco4 T	⊘ FM-Plug4

Detailed specifications

	VZO 4	VZO 8 RE	VZO 8 OEM
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Electrical specifications

Power supply range	12 – 24 V DC		
Maximum current rating	50 mA @ 12 V DC		

Technical specifications

Temperature range	-10 to +60 °C		
Nominal pressure	25 bar		
Measuring chamber volume	5.00 cm ³	12.44 cm ³	
Accuracy error rate	Up to 1%	Up to 0.3%	Up to 1%
Minimal flow rate	1 l/h	14 l/h	4 l/h
Continuous flow rate	50 l/h	135 l/h	135 l/h
Maximum flow rate	80 l/h	140 l/h	200 l/h

Protections and ratings

Ingress protection	IP50		
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Physical properties

Nominal diameter	4 mm	8 mm	
Weight	650 g	750 g	
Connection threads	3.175 mm BSP female	6.350 mm BSP female	

Ordering information

VZO 4	Fuel flow meter for low flow measurement with a mechanical totaliser and digital display
VZO 8 RE	Fuel flow meter for high flow measurement with a mechanical totaliser, digital display and 48 V reed switch pulser
VZO 8 OEM	Fuel flow meter for OEMs with pulse output

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