

# CONTOIL® – the Number One When It Comes to Oil Meters

## CONTOIL® – the clever solution for consumption measurement

Shipbuilders and manufacturers of burners use the tried-and-tested CONTOIL® range of products to measure consumption. CONTOIL® offers an optimal cost saving solution for a large variety of applications, thanks to robust and simple product technology combined with innovative ancillaries which are straightforward to use. The extensive selection of products makes it possible to offer customer specific solutions. It makes no difference whether the medium is heavy oil, extralight heating oil, petrol or diesel fuel – because CONTOIL® uses the volumetric measuring principle, ensuring highly reliable measurements with excellent accuracy and stability. The modular structure of the range guarantees that you will save time as well as costs.

## CONTOIL® – for guaranteed customer benefits

Your benefits are guaranteed, no matter whether you use multifunctional electronic register or mechanical roller counters. The totalisers feature a direct display to ensure easy reading. The electronic register also offers an 8-digit totaliser which can be reset. At the touch of a button, you can call up the instantaneous flow rate on the LCD display in litres/hour. A bar indicator also shows you the current meter utilisation as a percentage. You will save time because the displays are so quick and easy to read – and adjustments to the system or the burner only require minimum effort.

Digital data storage in an EEPROM ensures that data is saved under all circumstances, because we leave nothing to chance when it comes to reliability. The normal commercial battery has a long lifetime and is quick and easy to replace, and the keypad makes child's play of operating the meter.



## CONTOIL® – the worldwide standard for measuring fuel consumption

Extremely flexible for a wide range of applications:

Long service lifetime:

High availability:

These meters can be supplied with various displays, pulsers, flange drillings and approvals;

multifunctional display or roller counter according to choice

Meters with no dynamic seals; optimised combination of materials to ensure long life

Easy access to the measuring unit; faults are quickly analysed and rectified on the spot

### CONTOIL® VZE 15 ... 50 (STANDARD)



### Multifunction display and remote transmission (option)

Electronic display of:

- total counter
- resettable counter
- instantaneous value for flow rate
- other operating data on the service level

Simple to operate

Normal commercial long-life battery

Inductive pulser for control purposes (option)

Housing with threaded connection / flange connection

### CONTOIL® VZO 4 ... 50 (CLASSIC)



### Volume display and remote transmission<sup>1</sup>

Volume display on roller counter

Reed pulser for remote totalisation (option)

Inductive pulser for control purposes (option)

Housing with threaded connection / flange connection

### CONTOIL® VZEA 15 ... 50 / VZOA 15 ... 50



### Specially designed for differential measurements

If differential measurements are needed, CONTOIL® oil meters calibrated in pairs offer the optimal solution in every situation where cost effectiveness is the top priority. This measuring concept fits smoothly into every system to provide far better results than any conventional meter – doing away with the costly adaptations and additions to the system that are a familiar feature of direct consumption measurement.

### Main technical data<sup>2</sup>

			DN4	DN8
Nominal diameter		mm	4	8
		inches	1/8	1/4
Nominal pressure	Thread	bar	25	25
	Flange	bar	–	–
Temperature		° C	60	60
Maximum flow rate		l/h	80	200
Continuous flow rate		l/h	50	135
Minimum flow rate		l/h	1	4
Start-up at approx.		l/h	0.5	1.6
Version with remote sensor:				
Reed pulser			●	●
Inductive pulser			–	–

DN15	DN20	DN25	DN40	DN50
15	20	25	40	50
1/2	3/4	1	1 1/2	2
16				
25, 40				
70, 130, 180				
600	1,500	3,000	9,000	30,000
400	1,000	2,000	6,000	20,000
10	30	75	225	750
4	12	30	90	3000
●	●	●	●	●
●	●	●	●	●

<sup>1</sup> Information and illustration are valid for VZO 15 ... 50, VZO 4 and 8 with cubic design

<sup>2</sup> Factory information is valid for product lines VZE 15 ... 50 and VZO 4 ... 50 and reference condition: Heating Oil EL / Diesel 20° C

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