



Lloyd's  
Register

## Type Approval Certificate

*This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.*

This certificate supersedes certificate number 05/20053(E3) issued on 23.03.2016 which is hereby cancelled.

This certificate is issued to:

<b>PRODUCER</b>	Aquametro Oil & Marine AG Ringstrass 75 4106 Therwil Switzerland
<b>DESCRIPTION</b>	Flow meters with rotary piston made of anodized aluminium, graphite or hard rubber; with roller counter or electronic display with measurement transducers with relays and analogue outputs.
<b>TYPE</b>	CONTOIL® VZO, VZOA, VZF, VZFA, VZF II, VZFA II and DOMINO ARD
<b>APPLICATION</b>	Marine, offshore and industrial applications for the use in environmental categories ENV1, ENV2, ENV3 and ENV4 as defined in Lloyd's Register's Type Approval System, Test Specification Number 1 - 2002. Types CONTOIL® VZO(A), VZF(A) and VZF(A) II in fuel oil, lubrication oil, hydraulic oil systems and type DOMINO ARD in water systems on ships classed or intended for Classification with Lloyd's Register.
<b>SPECIFIED STANDARDS</b>	Lloyd's Register Rules and Regulations for the Classification of Ships, July 2018 IACS P2
<b>Certificate No.</b>	05 / 20053(E4)
<b>Issue Date</b>	19 September 2018
<b>Expiry Date</b>	04 December 2020
<b>Sheet</b>	1 of 2

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**RATINGS**

Nom. Dia. (mm): DN 15, 20, 25, 40 and 50  
Nom. Press. (bar): PN 16 and 25  
Electric enclosure: IP66 / IP 68 (VZF(A) II) / IP69 (VZF(A) II)

*The Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.*

*If the specified standards are amended during the validity of this certificate, the product is to be re-approved prior to it being supplied to vessels to which the amended standards apply.*

*The Design Appraisal Document No. HMD 16388-05, Issue No. 3, dated 19 September 2018 and its supplementary Type Approval Terms and Conditions form part of this Certificate.*

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