



**EC TYPE EXAMINATION (MODULE B)**  
**CERTIFICATE No. MED210617CS/001**

***This is to certify*** that RINA Services S.p.A. did undertake the relevant type approval procedures for the equipment identified below, which was found to be in compliance with the Fire Protection requirements of Marine Equipment Directive (MED) 2014/90/EU, including the requirements and testing standards of (EU) 2017/306.

<i>MED Item N°</i>	<b>MED/3.15c</b>
<i>Description</i>	<b>Materials other than steel for pipes conveying oil or fuel oil: (c) flexible pipes assemblies and compensators</b>
<i>Type</i>	<b>TUBIFLON; PTFE HOSES TX.T.885S.50.XXX AND HOSE ASSEMBLIES TX.M.885S.50.XXX; PTFE HOSES TX.T.885S.51.XXX AND HOSE ASSEMBLIES TX.M.885S.51.XXX; (NOMINAL DIAMETER FROM 10 MM. TO 76.5 MM.)</b>
<i>Applicant</i>	<b>TUBIFLEX S.P.A.</b> STRADA TORINO 25 10043 Orbassano (TO) ITALY
<i>Testing standards</i>	<b>EN ISO 15540, EN ISO 15541</b>
<i>Reference standards</i>	<b>Regulation II-2/4.2.2.5.1 of SOLAS 74 Convention, as amended</b>

*Issued in Genoa on*  
April 24, 2017

*This Certificate is valid until*  
April 23, 2022

*This Certificate consists of this sheet plus an attachment*

**Franca Parisi**

*RINA Services S.p.A.*





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*Manufacturer*  
**TUBIFLEX S.P.A.**

*Place of Manufacturer*  
STRADA TORINO 25  
10043 Orbassano (TO)  
ITALY

**TECHNICAL DATA**

Appearance: hose covered with orange sleeve and fittings at both end.  
Composition: Multilayer virgin PTFE core, reinforced with an anti-abrasion covering in fibreglass, one high tensile stainless steel braid 1.4301 EN10088-3 (AISI 304), and covered with an additional flameproof sleeve in silicone coated fibreglass.

**REFERENCE DOCUMENTS**

- TUBIFLEX catalogue
- LAPI test reports nos. 532.0IS0110/12, 533.0IS0110/12 and 534.0IS0110/1
- Type Approval Certificate no. MAC067013CS issued on 1 August 2013.

**FIELD OF APPLICATIONS**

Nominal diameters: from 10 mm (3/8") to 75 mm (3") .  
Maximum working pressure: 20 bar (DN 75 - 3") to 125 bar (DN 10 - 3/8")

**TEST CARRIED OUT**

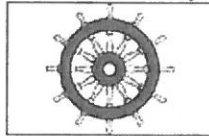
Tests carried out by LAPI Laboratorio Prevenzione Incendi SpA, Via della Quercia 11, 59100 Prato, Italy on 23/04/2012, as per test reports Nos. 532.0IS0110/12, 533.0IS0110/12 and 534.0IS0110/12 dated 24/04/2012.





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*The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production control phase module (D, E or F) of Annex II of the Directive is fully complied with a written inspection agreement with a Notified Body*



XXXX/YYYY

**"WHEELMARK FORMAT"**

XXXX      *Notified Body number undertaking surveillance module*  
YYYY      *The year in which the mark is affixed*

***General conditions for the approval***

- a) The initial conditions verified by RINA at the time of the approval are to be maintained
- b) Any changes to the initial conditions are to be promptly communicated to RINA, which reserves the right to repeat the relevant assessment
- c) This certificate will no be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with RINA
- d) RINA personnel are to be allowed to witness during the performances of activities, upon their request
- e) The activities are to be carried out in compliance with the RINA Rules and/or other applicable Rules
- f) Should the specified regulations or standards be amended during the validity of this certificate, the product is to be reapproved prior to it being placed on board vessels to which the amended regulations or standards apply.

**Franca Parisi**

