



# Type Approval Certificate

Germanischer Lloyd

This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the GL Type Approval System.

Certificate No.	<b>2056304 HH</b>
Company	<b>Georg Fischer JRG AG Hauptstr. 130 4450 Sissach, SWITZERLAND</b>
Product Description	<b>MULTILAYER PIPES WITH PLASTIC AND METAL FITTINGS</b>
Type	<b>JRG SANIPEX MT®</b>
Environmental Category	<b>None</b>
Technical Data / Range of Application	<b>TECHNICAL DATA</b> Pipes / fittings: <b>PE-Xc/Al/PE-Xb / PPSU/GF-PA 6 &amp; gunmetal acc. to DIN EN 1982</b> Size range: <b>16 [mm] P.O.D. up to 63 [mm] P.O.D.</b> M.A.W.P.: <b>10 [bar]</b> M.A.W.T.: <b>70 [°C]</b> <ul style="list-style-type: none"><li>• The max. allowable working pressure is to be in acc. with the specifications of the manufacturer taking the working temperature into consideration.</li><li>• If necessary pipes and plastic fittings are to be protected against ultraviolet radiation.</li></ul> <b>RANGE OF APPLICATION</b> <ul style="list-style-type: none"><li>• Piping systems (potable and wash water as well as heating systems) arranged on open decks, within tanks, cofferdams, void spaces, pipe tunnels, ducts and further location where fire endurance test acc. to IMO Res. 753 (18) is not required. Within accommodation, service and control spaces the pipes are to be installed behind B - class or fully closed C classed ceilings and linings. In case no ceiling or lining is existing the pipes are to be provided with approved fire insulation.</li></ul>
Test Standard	<ul style="list-style-type: none"><li>• IMO Resolution A.753 (18) except fire endurance test, toxicity, and smoke generation test. Flame spread test according to ASTM D 635-06.</li></ul>
Documents	<ul style="list-style-type: none"><li>• Test reports</li><li>• Technical data of the pipes and fittings</li><li>• Catalogues</li></ul>
Remarks	<b>PRODUCTION PLACE, INSTALLATION and REMARKS see page 2</b>
Valid until	<b>2014-05-27</b>
Page	<b>1 of 2</b>
File No.	<b>II.C.04</b>
	<b>Hamburg, 2011-03-08</b>

Type Approval Symbol



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Hanspeter Raschle

Peter Gierhan

This certificate is issued on the basis of "Regulations for the Performance of Type Tests, Part 0, Procedure".



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## PRODUCTION PLACE

**Georg Fischer JRG AG  
Hauptstrasse 130  
CH-4450 Sissach**

## INSTALLATION

- The installation of the piping system is to be carried out in acc. with the instructions of the manufacturer taking into account the installation requirements of the IMO Resolution as applicable.

## REMARKS

- For the use on passenger vessels national regulations may have to be observed.

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