



Lloyd's
Register

Type Approval Certificate

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

This certificate is issued to:

PRODUCER	Matec Group Srl										
PLACE OF PRODUCTION	Via 1° Maggio 7 - 20068 Peschiera Borromeo (MI) Italy										
DESCRIPTION	HP Flexible metal hoses (single braid)										
TYPE AND RATINGS	<table><tr><td>Type:</td><td>Matec HP</td></tr><tr><td>Application:</td><td>Cryogenic and non-cryogenic fluids</td></tr><tr><td>Bore Diameter:</td><td>DN20 to DN80</td></tr><tr><td>Temperature Range:</td><td>-270 to +65°C</td></tr><tr><td>Max Working Pressure:</td><td>DN20 85 bar DN25 78 bar DN32 65 bar DN40 61 bar DN50 55 bar DN80 25 bar</td></tr></table>	Type:	Matec HP	Application:	Cryogenic and non-cryogenic fluids	Bore Diameter:	DN20 to DN80	Temperature Range:	-270 to +65°C	Max Working Pressure:	DN20 85 bar DN25 78 bar DN32 65 bar DN40 61 bar DN50 55 bar DN80 25 bar
Type:	Matec HP										
Application:	Cryogenic and non-cryogenic fluids										
Bore Diameter:	DN20 to DN80										
Temperature Range:	-270 to +65°C										
Max Working Pressure:	DN20 85 bar DN25 78 bar DN32 65 bar DN40 61 bar DN50 55 bar DN80 25 bar										
	Construction: Corrugated stainless steel liner with stainless steel outer braid.										
STANDARDS/CODES	LR Rules and Regulations for the Classification of Ships; ISO 21012:2018 as adopted by UNI EN ISO 21012:2019.										
APPLICATION	Cryogenic and non-cryogenic fluids.										
Certificate No.	19/00038										
Issue Date	01 August 2019										
Expiry Date	31 July 2024										
Sheet	1 of 2										



Fabrizio Cadenaro
Trieste Technical Support Office
Lloyd's Register EMEA

Lloyd's Register EMEA

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"This Certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid certificate."

The Design Appraisal Document No. 19/00038 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Certificate No. 19/00038
Issue Date 01 August 2019
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Sheet 2 of 2



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