

TYPE APPROVAL CERTIFICATE No. MAC256919CS/001

This is to certify that the product identified below is in compliance with the regulations herewith specified.

Description

Non metallic flexible hoses

Туре

R42 - R42TC - R42ST

Applicant

PARKER HANNIFIN MANUFACTURING SRL

VIA G.B. PIRELLI, 6 22070 VENIANO (CO)

ITALY

Manufacturer

PARKER HANNIFIN MANUFACTURING SRL

Place of manufacture

VIA G.B. PIRELLI, 6 22070 VENIANO (CO)

ITALY

Reference standards

RINA Rules for the Type Approval of Flexible Hoses and

Expansion Joints

Issued in Genoa on November 18, 2019. This Certificate is valid until November 17, 2024

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RINA Services S.p.A.

Marco Dardano

This certificate consists of this page and 1 enclosure

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Reference documents

Parker Catalogue No. 4000.

Reference Standard

ISO 3862 - R15.

Materials/components

Linina:

Synthetic rubber, oll resistant.

Reinforcement:

Four or six spirals of high tensile steel wire, separated by a synthetic rubber layer.

Cover:

Synthetic rubber, oil and weathering resistant.

TC = Tough Cover - highly abrasion resistant;

ST = Super Tough Cover - extreme abrasion resistant.

End fittings:

Carbon or stainless steel - series V4 (dimensions from -10 to -16), series V6 (dimensions from -20 to -32).

Technical characteristics

Maximum allowable working pressure at ambient temperature according to the following table:

Item	Nominal Diameter (mm)	Inside Diameter (mm)	Max. working pressure (MPa)
-10	16	15,9	42,0
-12	20	19,1	42,0
-16	25	25,4	42,0
-20	32	31,8	42,0
-24	40	38,1	42,0
-32	50	50,8	42,0

Working temperature: from -40°C to +120°C

Field of application

Hydraulic systems with a hydraulic oil having a flash point not less than 150°C (closed cup test).

RINA Services S.p.A.

Via Company 16129 Genova
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Tests carried out

Burst test (Test Report No. 14/GE/1387/01 dated 15/07/2014 of RINA Genoa Office).

Acceptance conditions

The installation on board of the piping system is to be carried out by qualified personnel in accordance with the manufacturer's instructions.

The flexible hoses are to be installed in order to satisfy the requirements of para. 5.9.3 of Part C, Ch 1, Sec 10 of RINA Rules.

The acceptance of the a.m. products on board ships and other units classified with RINA is subject to the satisfactory outcome of testing as per RINA Rules.

For hoses assemblies to be used at temperatures below -10°C, couplings in stainless steel or normalized carbon steel are to be used.

The product (hose and fittings) is to be marked, for traceability, with the following data: nominal diameter, design conditions, Manufacturer's name or trademark, designation type reference.

Remarks

This certificate annuls and replaces the previous ones Nos. MAC086814CS/002 and MAC086814CS/004 issued on 25/08/2019.

Genoa November 18, 2019





