

Company Name Details

Company Information	Additional Company / Plant Detail	Confirmation of Type Approval
PARKER HANNIFIN MANUFACTURING SRL POLYMER HOSE DIVISION EUROPE VIA G.B. PIRELLI 6 VENIANO CO 22070 Italy Tel +39 031936111 Fax +39031936664 Email: ppelanda@parker.com Website: www.parker.com		This product doesn't have a Confirmation of Type Approval.

Certificate Number	Category	Expiry Date

Product	Hose, Rubber Flexible Hose
Model	Parker Hose Style R42-R42TC-R42ST
Endorsements	
Tier	2 - PDA Issued
Intended Service	Petroleum Base Hydraulic Fluid and Lubricant Oils - Water, Water/Oil Emulsion and Water/Glycol Hydraulic Fluids - Compressed Air.
Description	Oil-resistant synthetic rubber hoses reinforced with four or six high tensile steel wires, covered with a synthetic rubber sheath. R42 standard hose, R42TC flame resistant cover, R42ST abrasion resistant cover. Standard compound for certificated hoses: TC Hoses cover compound material: PK 630 ST Hoses cover compound material: special UHMWPE

Size (Nominal Diameter): 10 (16mm), 12 (19mm), 16 (25mm), 20 (32mm), 24 (38mm), 32 (51mm).

Design Pressure: 420 bar.

Ratings

Temperature range:

- Petroleum Base Hydraulic Fluid and Lubricant Oils, -40 deg C to +121 deg C;
- Water, Water/Oil Emulsion and Water/Glycol Hydraulic Fluids up to +85 deg C;
- Compressed Air, up to +70 deg C.

See Attached Table of ratings and End Fittings Catalogue.

1) Unit Certification is not required for this product. If the manufacturer or purchaser requests an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.

2) Hoses are to be complete with factory assembled end fittings or factory supplied end fittings installed in accordance with manufacturer's specifications.

Service Restrictions

3) End connections are to comply with applicable requirements and limitation of the ABS Marine Vessels Rules (4-6-2/5.5.4, 4-6-2/5.5.5, 4-6-7/3.5.1, 4-6-7/5.3.2).

4) Hose assemblies are to be installed only where flexibility is required, in clearly visible and readily accessible locations, and are not to be subject to torsional deflection under normal conditions; hose length is to be limited to that required by flexibility only.

5) Not to be used in high pressure fuel oil injection systems, steam systems or oil supply lines to boilers.

6) Not to be used for installations where repeated and/or frequent flexing is expected.

1) For traceability to this type approval the final Flexible hoses are to be permanently marked by the manufacturer with the following details:

- Hose manufacturer's name or trademark.
- Date of manufacture (month/year).
- Designation type reference.
- Nominal diameter.
- Pressure rating
- Temperature rating

Comments

2) In general, flexible hoses are to be limited to a length necessary to provide for relative movement between fixed and flexibly mounted items of machinery, equipment or systems.

3) The manufacturer has provided a declaration about the lack of asbestos in this product.

Notes, Drawing and Documentation

Document, R42 special Cover Declaration dated 08 January 2019; Revision: 0, Pages: 1

Document No. IC-40-26 (630), USMSHA Certificate; Revision: 1, Pages: 1

Document No. Table 1, Hose Specification Table 1; Revision: 1, Pages: 1

Document No. CAT_4400_UK, Hydraulic Hoses, Fittings and Equipment Catalogue; Revision: -, Pages: 550

Test Report No. BOP500, R42 Burst Test Report signed by DNV at Parker, dated 25 Jul 2017; Revision: 0, Pages: 6

Test Report, Test ISO 3862-type R15 STR R42 at Parker, dated 4 Feb 2019; Revision: 0, Pages: 6

This Product Design Assessment (PDA) Certificate remains valid until 02/Oct/2029 or until the Rules and/or Standards used in the assessment are revised or until there is a design modification warranting design reassessment (whichever occurs first).

Term of Validity

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or previous to the effective date of the ABS Rules and standards applied at the time of PDA issuance. Use of the Product for non-ABS units is subject to agreement between the manufacturer and intended client.

ABS Rules

2024 Rules for Conditions of Classification, 1A-1-4/7.7, 1A-1-A3, 1A-1-A4, which covers the following:

2024 Marine Vessels Rules 4-6-2/5.7

2024 Rules for Conditions of Classification, 1B-1-4/9.7, 1B-1-A2, 1B-1-A3, which covers the following:

2024 Mobile Offshore Units Rules 4-2-1/11.29

National Standard NA

International Standard ISO 3862 type R15 (2017 edition)

Government Standard NA

EUMED Standard NA

Others Standard NA

Model Certificate	Model Certificate #	Issue Date	Expiry Date
PDA	24-0048389-PDA	03-OCT-2024	02-OCT-2029