

TYPE APPROVAL CERTIFICATE

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

Certificate No. **13 789 - 99 HH**

Company **Parker Hannifin GmbH & Co. KG
Fluid Connectors Group Europe, Hose Products Division Europe
Freiherr-vom-Stein-Straße 1
35325 Mücke, GERMANY**

Product Description **FLAME RESISTANT HYDRAULIC HOSES**

Type **PARKER 372 / 371 NO-SKIVE HOSE
3-WIRE COMPACT HOSE WITH 4SP PRESSURE RATINGS**

Environmental Category **• None**

Technical Data /
Range of Application **TECHNICAL DATA**

Inner tube	nitrile rubber
Reinforcement	three braids of steel wire
Cover	synthetic rubber (incl. TC- and ST-cover)
Crimped fittings	70 series (carbon- and stainless-steel)
Size range [DN]	10 12 16 20 25
Pressure range [bar]	450 415 350 350 280
Temperature range	-40 [°C] to 100 [°C] [depending on media used]
Exception air	max. 70 [°C]
and water-glycol and	max. 85 [°C]
water-oil emulsion	

RANGE OF APPLICATION (continued on page 2)

The a.m. hose type may be used according to their suitability in:

- Fuel oil, lubricating oil and hydraulic oil systems
- Bilge and ballast systems
- Fresh and seawater cooling systems

Test Standard **• Regulations for the Performance of Type Tests, Part 6 - Test Requirements for Mechanical Components and Equipment, Edition 1998.**

Documents **• Test reports: Nr.: 047-051, Parker Hannifin Manufacturing, dated: 2014-04-24
• Test reports: 769.0ISO110/04, dated: 2014-04-11, fire resistance
• ISO:2008, valid until: 2014-11-26
• DNVGL-Ref.-Nr.: 14-040756
• Catalogue**

Remarks **• RANGE OF APPLICATIONS, APPROVED PRODUCTION PLACES.and
REMARKS / LIMITATIONS see page 2**

Valid until **2019-03-08**

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File No. **II.D.01**

Hamburg, 2014-08-20

Type Approval Symbol



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RANGE OF APPLICATIONS

- Compressed air systems*
- Secondary piping systems

* Pin prick cover is required for air or gas applications above 17 [bar].

APPROVED PRODUCTION PLACES

Hoses:	Parker Hannifin b.v. Foxham 57 NL-9600 AH Hoogezand	Parker ITR S.r.L. Fluid Connectors Group Hose Products Division Europe Via G.B. Pirelli, 6 I-22070 Veniano (CO)
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Fittings: Parker Hannifin Manufacturing Germany GmbH & Co. KG
FLUID CONNECTORS GROUP
HOSE PRODUCTS DIVISION
Freiherr-vom-Stein-Strasse
35325 Mücke
Germany

REMARKS / LIMITATIONS

- The current Rules of DNVGL Chapter 2-Machinery installation, Section 11 are to be observed.
- The use of the hoses outside the range of application is subject to special consideration by DNVGL in each individual case.
- The combination of high temperatures and high pressure reduce the hose life.
- The use of hose assemblies is not permitted in permanently pressurized starting air lines of diesel engines.
- Type approved hoses may be assembled with fittings by recognized manufacturers* of hose assemblies only.

* See VI - Additional Rules and Guidelines, Part 3 - Machinery Installations, Chapter 9 - Guidelines for the Recognition of Manufacturers of Hose Assemblies and Compensators.

The selection of the hoses for the corresponding application and the proper assembly are to be in accordance with the instructions of the manufacturer

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DNV GL

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