



NSAI
Certification

ECE TYPE-APPROVAL CERTIFICATE



Communication concerning:² Approval granted
~~Approval extended~~
~~Approval refused~~
~~Approval withdrawn~~
~~Production definitely discontinued~~

of a type of LPG equipment pursuant to Regulation No. 67.

Approval No: E24*67R01/15*0029*00


1. LPG Equipment Considered:
~~Container including the configuration of accessories fitted to the container, as laid down in Appendix 1 to this annex.~~
~~80 per cent stop valve~~
~~Level indicator~~
~~Pressure relief valve (discharge valve)~~
~~Pressure relief device~~
~~Remotely controlled service valve with excess flow valve~~
~~Multivalve, including the following accessories:~~
~~Gas tight housing~~
~~Power supply bushing (pump/actuators)~~
~~Fuel pump~~
~~Vaporizer/pressure regulator~~
~~Shut-off valve~~
~~Non return valve~~
~~Gas tube pressure relief valve~~
~~Service coupling~~
~~Flexible hose~~
~~Remote filling unit~~
~~Gas injection device or injector~~
~~Fuel rail~~
~~Gas dosage unit~~
~~Gas mixing piece~~
~~Electronic control unit~~
~~Pressure/temperature sensor~~
~~LPG filter unit~~
~~Non seamless gas tubes and their couplings~~
~~Gas tubes made of materials other than copper, stainless steel and steel with corrosion – resistant coating and their couplings~~
~~Multi component~~

Type: 492LPG-8 Perf



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Approval No: E24*67R01/15*0029*00

2. Trade name or mark: *Parker Hannifin*
3. Manufacturer's name and address: *Parker Hannifin Manufacturing S.r.l.
Corsico, Via G.B. Pirelli, 6
22070 Veniano (CO) – Italy*
4. If applicable, name and address of manufacturer's representative: *N/A*
5. Submitted for approval on: *05.08.2019*
6. Technical service responsible for conducting approval tests: *CSI S.p.A.,
V.le Lombardia, 20B,
20021 Bollate (MI),
Italy*
7. Date of report issued by that service: *31.10.2019*
8. No.of report issued by that service: *0102\ISP\OMLS\19 Rev.2*
9. Approval granted/ ~~refused~~/ ~~extended~~/ ~~withdrawn~~: *Granted*
10. Reason(s) of extension (if Applicable): *N/A*
11. Place: *Dublin*
12. Date: *31st October, 2019*
13. Signature: 



14. The documents filed with the application or extension of approval can be obtained upon request.



Annex 2B – Appendix 1 (Containers Only)

1. Container characteristics from the parent container (configuration 00): *N/A*
- (a) Trade name or mark: *N/A*
 - (b) Shape: *N/A*
 - (c) Material: *N/A*
 - (d) Openings: *N/A*
 - (e) Wall thickness: *N/A*
 - (f) Diameter (cylindrical container): *N/A*
 - (g) Height (specific container shape): *N/A*
 - (h) External surface: *N/A*
 - (i) Configuration of accessories fitted to container: see Table 1.

Table 1

No.	Item	Type	Approval No.	Extension No.	Indication mark(s) ¹
a	80 per cent stop valve				
b	Level indicator				
c	Pressure relief valve				
d	Remotely controlled service valve with excess valve				
e	Fuel pump				
f	Multi-valve				
g	Gas-tight housing				
h	Power supply bushing				
i	Non return valve				
j	Pressure relief device				

¹ The indication marks of technical modification apply **only** to Multivalve, or, when approved separately, to Pressure relief valve (discharge valve) and Pressure relief device



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2. List of the container family: *N/A*

The lists of the container family indicate the diameter, capacity, external surface and the possible configuration(s) of the accessories fitted to the container.

Table 2

No.	Type	Diameter/height [mm]	Capacity [L]	External surface [cm ²]	Configuration of accessories [code] <u>1/</u>
a					
b					

1/ Code 00 and, if applicable, same code(s) from Table 3.

3. Lists of the possible configurations of accessories fitted to the container: *N/A*

Specify a list of the possible accessories, which differ from the tested configuration of accessories (code 00) and which may be fitted to the type of container. Specify for all accessories, type, approval number and extension number, indicating its own configuration code.

Table 3

No.	Accessories	Type	Approval No.	Extension No.	Configuration of accessories [code]
a					
b					
c					
d					



Veniano 1/10/2019

Parker Hannifin Manufacturing S.r.l.
Polymer Hose Division Europe
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Fax +39 031 936664

APPLICATION FOR OMOLOGATION OF ECE APPROVAL N. E24 67R-0XXXXX

Essential characteristics of the vehicle, engine and LPG related equipment.

ANNEX 1

In agreement with ECE Regulation 67/01 concerning LPG car applications, we declare that our R67 flexible hose model 492LPG-8-PERF have the following characteristics:

1.2.4.5.12. Flexible fuel hose(s)/pipes:

1.2.4.5.12.1. Make(s): **Parker**

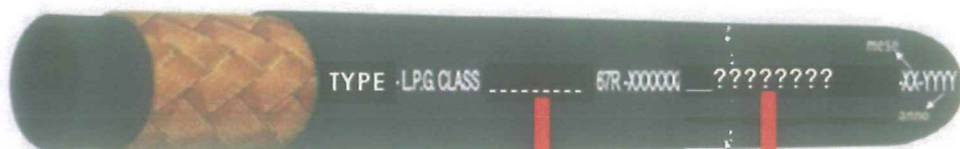
1.2.4.5.12.2. Type(s): **492LPG-8-Perf**

1.2.4.5.12.3. Description: **Rubber hose made with NBR synthetic rubber inner tube ; steel wires braid reinforcement and NBR/PVC synthetic rubber cover . Assembled with Parker fitting series 46 Coupling Material: Carbon Steel: 1.0718,1.0715,SAE1137(35SMnPb14),1.07665,1.0581,1.0255, 1.0303, 1.0504, 1.7225,1.7131.Stainless Steel: 1.4404, 1.4401, 1.4571**

1.2.4.5.12.4. Operating pressure(s):¹ **From 0 up to max 3000 kPa**



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To indicate
the class of
hose

To indicate
trade mark

CLASS1

PARKER

LOGO APPROVAL HOLDER

PARKER 492LPG-8-PERF - CLASS 1 - 67R - XXXX - WP 3,0 MPa (435 PSI) I⁹⁰ 12,5 mm (1/2") Made In Italy Quarter/Year Identificativo

Temperature range : -40 ÷ +100 °C

Table n. 1

HOSE	I.D. [mm]	O.D. [mm]	WP [bar]	BP [bar]
492 LPG-8 Perf	13.0	18.9	30	120

P. Pelanda
Material Innovation &
Regulations Manager

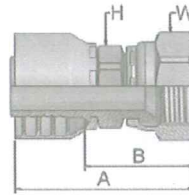


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Medium Pressure
 SAE

Parkrimp No-Skive Fittings
 46/48 Series

06/68 Female – JIC 37°
 SAE 45° Dual Flare
 Swivel – Straight
 ISO12151-5-SWS – DKJ



Part Number		Hose I.D.				Thread	A	B	H	W
46 series	48 series	DN	Inch	Size	mm	UNF	mm	mm	mm	mm
10646-6-8	10648-6-8	12	1/2	-8	12.7	9/16x18	55	32	22	19
16846-8-8	16848-8-8	12	1/2	-8	12.7	3/4x16	56	32	22	22
16846-10-8	16848-10-8	12	1/2	-8	12.7	7/8x14	62	38	22	27
10646-12-8	10648-12-8	12	1/2	-8	12.7	1 1/16x12	62	39	27	32