

**THE NETHERLANDS
(N E D E R L A N D)**



EC TYPE-APPROVAL CERTIFICATE

Communication concerning:

- EC type-approval⁽¹⁾
 - ~~extension of EC type approval⁽¹⁾~~
 - ~~refusal of EC type approval⁽¹⁾~~
 - ~~withdrawal of EC type approval⁽¹⁾~~
- } of a type of
hydrogen component

with regard to Regulation (EC) number 79/2009, as implemented by Regulation (EU) number 406/2010.

EC type-approval number : **e4*79/2009*406/2010*00059*00**

Reason for extension : N.A.

SECTION I

- 0.1. Make (trade name of manufacturer) : Parker Hannifin Manufacturing Ltd
- 0.2. Type : Autoclave Fitting series
- 0.3. Means of identification of type, if marked on the component⁽²⁾ : CTX – CTX-K
CXX – CXX-K
CLX – CLX-K
CCLX
CNX
CPX
CGLX
20MAM
15MXK8
20UFX
15MN6
KCBGLX
- 0.3.1. Location of that marking : Body of the fitting

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- 0.5. Name and address of manufacturer : Parker Hannifin Manufacturing (UK) Ltd
Instrumentation Products Division Europe
Pottington Business park, Riverside Road
EX31 1NP Barnstaple
United Kingdom
- 0.7. In the case of components and separate technical units, location and method of affixing of the EC approval mark : Engraved to the body
- 0.8. Name(s) and address(es) of assembly plant(s) : Parker Hannifin Corporation –
Instrumentation Products Division
8325 & 8355 Hessinger Drive
16509 Erie, PA
United States of America

Parker Hannifin
Whitemill Industrial Estate
Y35 A461 Wexford
Republic of Ireland
- 0.9. Name and address of manufacturer's representative (if any) : Parker Hannifin B.V.
J.G. Nordkamp
Edisonstraat 1
7575 AT Oldenzaal
The Netherlands

SECTION II

1. Additional information (where applicable) : see Addendum
2. Technical service responsible for carrying out the tests : KIWA Nederland B.V.
Wilmersdorf 50
7327 AC Apeldoorn
The Netherlands
3. Date of test report : 21-02-2022
4. Number of test report : 201201323
5. Remarks (if any) : see Addendum



Approval number: e4*79/2009*406/2010*00059*00

6. Place : Zoetermeer
7. Date : 16 March 2022
8. Signature :



R.F.R. Clement

Attachments:

- Information package.
- Test report.

⁽¹⁾ Delete where not applicable.

⁽²⁾ If the means of identification of type contains characters not relevant to describe the vehicle, component or separate technical unit types covered by this information document, such characters shall be represented in the documentation by the symbol '?' (e.g. ABC??123??).

ADDENDUM

to EC type-approval certificate number: e4*79/2009*406/2010*00059*00

relating to EC component type-approval of a hydrogen component or system

1. Additional information
 - 1.1. ~~Hydrogen system designed to use liquid hydrogen/~~Hydrogen system designed to use compressed (gaseous) hydrogen/~~Hydrogen component designed to use liquid hydrogen/~~Hydrogen component designed to use compressed (gaseous) hydrogen ⁽¹⁾
2. Specifications and test results
 - 2.1. ~~Containers designed to use compressed (gaseous) hydrogen~~
 - 2.1.1. ~~Container material specifications~~

Material specifications	Applicable to material						Details
	Steel	Aluminium alloy	Plastic liner	Fibre	Resin	Coating	
Material manufacturer	✓	✓	✓	✓	✓		
Type of material	✓	✓	✓	✓	✓		
Material identification	✓	✓	✓	✓	✓		
Heat treatment definition	✓	✓					
Chemical composition	✓	✓					
Cold or cryoforming procedure	✓						
Welding procedure definition	✓	✓					

- 2.1.2. ~~Container material test results~~

Material test	Applicable to material						Specified material value	Test value
	Steel	Aluminium alloy	Plastic liner	Fibre	Resin	Coating		
Tensile test	✓	✓	✓					
Charpy impact test	✓							
Bend test	✓	✓						
Macroscopic examination	✓							

