

NSAI
Certification

ECE TYPE-APPROVAL CERTIFICATE

Communication concerning approval granted
of a type of CNG component pursuant to
Regulation No. 110.



Approval No: **E24 110R-000021.**

Extension No: *N/A.*

Reason for extension:

-N/A

1. CNG component considered:

~~Container(s) or cylinder(s)~~

~~Pressure indicator~~

~~Pressure relief valve~~

~~Automatic valve~~

~~Excess flow valve~~

~~Gas tight housing~~

~~Pressure regulator~~

~~Non-return valve(s)~~

~~Pressure relief device~~

~~Manual valve~~

~~Flexible fuel lines~~

Filling unit or receptacle:

Type: CL5078

~~Gas injector(s)~~

~~Gas flow adjuster~~

~~Gas/air mixer~~

~~Electronic control unit:~~

~~Pressure and temperature sensor~~


~~CNG filter(s)~~

2. Trade name or mark:

OPW Fueling Components

3. Manufacturer's name and address:

*OPW Fueling Components
9393 Princeton-Glendale Rd
Hamilton, Ohio USA, 45011*

4. If applicable, name and address of manufacturer's representative: *N/A.*
5. Submitted for approval on: *22.01.2010*
6. Technical service responsible for conducting approval tests: *TÜV SÜD Automotive GmbH*
7. Date of report issued by that service: *22.01.2010*
8. No. of report issued by that service: *09-00198-UA-GBM-00*
9. Approval granted/ ~~refused~~/ ~~extended~~/ ~~withdrawn~~: *granted*
10. Reason(s) of extension (if Applicable): *N/A*
11. Place: *Dublin.*
12. Date: *22nd February 2010*
13. Signature:
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14. The documents filed with the application or extension of approval can be obtained upon request:
- Documentation: *15 pages.*



Annex 2B – Addendum

1. Additional information concerning the type approval of a type of CNG components pursuant to Regulation No. 110
 - 1.1 Container(s) or cylinder(s)
 - 1.1.1 Dimensions: *N/A*
 - 1.1.2 Material: *N/A*
 - 1.2 Pressure indicator
 - 1.2.1 Working pressure(s): *N/A*
 - 1.2.2 Material: *N/A*
 - 1.3 Pressure relief valve (discharge valve)
 - 1.3.1 Working pressure(s): *N/A*
 - 1.3.2 Material: *N/A*
 - 1.4 Automatic valve(s)
 - 1.4.1 Working pressure(s): *N/A*
 - 1.4.2 Material: *N/A*
 - 1.5 Excess flow valve
 - 1.5.1 Working pressure(s): *N/A*
 - 1.5.2 Material: *N/A*
 - 1.6 Gas tight housing
 - 1.6.1 Working pressure(s): *N/A*
 - 1.6.2 Material: *N/A*
 - 1.7 Pressure regulator(s)
 - 1.7.1 Working pressure(s): *N/A*
 - 1.7.2 Material: *N/A*
 - 1.8 Non-return valve(s) or non-return valve(s)
 - 1.8.1 Working pressure(s): *N/A*
 - 1.8.2 Material: *N/A*
 - 1.9 Pressure relief device (temperature triggered)
 - 1.9.1 Working pressure(s): *N/A*
 - 1.9.2 Material: *N/A*

Annex 2B – Addendum

1.10	Manual valve	
1.10.1	Working pressure(s):	<i>N/A</i>
1.10.2	Material:	<i>N/A</i>
1.11	Flexible fuel lines	
1.11.1	Working pressure(s):	<i>N/A</i>
1.11.2	Material:	<i>N/A</i>
1.12	Filling unit or receptacle	
1.12.1	Working pressure(s):	26 MPa
1.12.2	Material:	SS-UNS S31600; ASTM A276
1.13	Gas injector(s):	
1.13.1	Working pressure(s):	<i>N/A</i>
1.13.2	Material:	<i>N/A</i>
1.14	Gas flow adjuster	
1.14.1	Working pressure(s):	
1.14.2	Material:	
1.15	Gas/air mixer	
1.15.1	Working pressure(s):	<i>N/A</i>
1.15.2	Material:	<i>N/A</i>
1.16	Electronic control unit (CNG-fuelling)	
1.16.1	Basic software principles:	<i>N/A</i>
1.17	Pressure and temperature sensor(s):	
1.17.1	Working pressure(s):	<i>N/A</i>
1.17.2	Material:	<i>N/A</i>
1.18	CNG filter(s)	
1.18.1	Working pressure(s):	<i>N/A</i>
1.18.2	Material:	<i>N/A</i>