

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

COMMUNICATION

Concerning ⁽¹⁾:

- ~~approval granted~~
- approval extended
- ~~approval refused~~
- ~~approval withdrawn~~
- ~~production definitively discontinued~~

of a type of CNG/~~LNG~~ component pursuant to Regulation number 110.

Approval number: E4*110R03/01*0083*03

1. CNG/~~LNG~~ component considered:

- ~~Container(s) or cylinder(s)~~⁽⁺⁾
- ~~Tank(s) or vessel(s)~~⁽⁺⁾
- ~~Pressure indicator~~⁽⁺⁾
- ~~Pressure relief valve~~⁽⁺⁾
- ~~Automatic valve(s)~~⁽⁺⁾
- ~~Excess flow valve~~⁽⁺⁾
- ~~Gas tight housing~~⁽⁺⁾
- ~~Pressure regulator(s)~~⁽⁺⁾
- ~~Non-return valve(s) or check valve(s)~~⁽⁺⁾
- ~~Pressure relief device (PRD)(temperature triggered)~~⁽⁺⁾
- ~~Manual valve~~⁽⁺⁾
- ~~Flexible fuel lines~~⁽⁺⁾
- ~~Filling unit or receptacle~~⁽⁺⁾
- ~~Gas injector(s)~~⁽⁺⁾
- ~~Gas flow adjuster~~⁽⁺⁾
- ~~Gas/air mixer~~⁽⁺⁾
- Electronic control unit ⁽¹⁾
- ~~Pressure and temperature sensor(s)~~⁽⁺⁾
- ~~CNG filter(s)~~⁽⁺⁾
- ~~PRD (pressure triggered)~~⁽⁺⁾
- ~~Fuel rail~~⁽⁺⁾
- ~~Heat exchanger(s)/vaporizer(s)~~⁽⁺⁾
- ~~Natural gas detector(s)~~⁽⁺⁾



- ~~LNG filling receptacle(s)⁽⁺⁾~~
- ~~LNG pressure control regulator(s)⁽⁺⁾~~
- ~~LNG pressure and/or temperature sensor(s)⁽⁺⁾~~
- ~~LNG manual valve(s)⁽⁺⁾~~
- ~~LNG automatic valve(s)⁽⁺⁾~~
- ~~LNG non-return valve(s)⁽⁺⁾~~
- ~~LNG pressure relief valve(s)⁽⁺⁾~~
- ~~LNG excess flow valve(s)⁽⁺⁾~~
- ~~LNG fuel pump(s)⁽⁺⁾~~
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2. Trade name or mark : Electronic control unit Prins ECU series
Prins VSI DI/ VSI-2.0 / AFC-2.x / AFC Compact
3. Manufacturer's name and address : Prins Autogassystemen bv
Jan Hilgersweg 22
5657 ES, Eindhoven
The Netherlands
4. If applicable, name and address of manufacturer's representative :
5. Submitted for approval on : 26-03-2002
6. Technical service responsible for conducting approval tests : Kiwa Nederland B.V.
P.O. Box 137
7300 AC Apeldoorn
The Netherlands
7. Date of report issued by that service : 17-09-2019
8. Number of report issued by that service : 121252_190700601
9. Approval : granted/~~refused/extended/withdrawn~~⁽¹⁾
10. Reason(s) of extension (if applicable) : Addition plastic top cover AFC-2.x
Addition external injection module VSI DI
Addition Nikki injector
Addition LPG pressure regulator Prins eVP
Addition CNG (Blackstone) pressure regulator
Addition of sensor filter module

The currently homologated Prins ECU series is updated to the latest Supplement version of the ECE Regulation 110.

The certificate number for the Regulation 110 / Regulation 67 has been rewritten to the updated 1958 Agreement revision 3.



Approval number: E4*110R03/01*0083*03

11. Place : Zoetermeer

12. Date : 09 October 2019

13. Signature :



The signature is written in blue ink over a circular official stamp. The stamp contains a coat of arms and the text 'RDW' at the bottom. The name 'R.F.R. Clement' is printed in black below the stamp.

R.F.R. Clement

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

⁽¹⁾ Strike out what does not apply.

ADDENDUM

1. Additional information concerning the type approval of a type of CNG/LNG components pursuant to Regulation number 110.
 - 1.1. Natural Gas Storage System
 - 1.1.1. Container(s) or cylinder(s) (for CNG system)
 - 1.1.1.1. Dimensions :
 - 1.1.1.2. Material :
 - 1.1.2. Tank(s) or vessel(s) (for LNG system)
 - 1.1.2.1. Capacity :
 - 1.1.2.2. Material :
 - 1.2. Pressure indicator
 - 1.2.1. Working pressure(s) ⁽²⁾ :
 - 1.2.2. Material :
 - 1.3. Pressure relief valve (discharge valve)
 - 1.3.1. Working pressure(s) ⁽²⁾ :
 - 1.3.2. Material :
 - 1.4. Automatic valve(s)
 - 1.4.1. Working pressure(s) ⁽²⁾ :
 - 1.4.2. Material :
 - 1.5. Excess flow valve
 - 1.5.1. Working pressure(s) ⁽²⁾ :
 - 1.5.2. Material :
 - 1.6. Gas-tight housing
 - 1.6.1. Working pressure(s) ⁽²⁾ :
 - 1.6.2. Material :
 - 1.7. Pressure regulator(s)
 - 1.7.1. Working pressure(s) ⁽²⁾ :
 - 1.7.2. Material :
 - 1.8. Non-return valve(s) or check valve(s)
 - 1.8.1. Working pressure(s) ⁽²⁾ :
 - 1.8.2. Material :
 - 1.9. Pressure relief device (temperature triggered)
 - 1.9.1. Working pressure(s) ⁽²⁾ :
 - 1.9.2. Material :
 - 1.10. Manual valve
 - 1.10.1. Working pressure(s) ⁽²⁾ :
 - 1.10.2. Material :
 - 1.11. Flexible fuel lines
 - 1.11.1. Working pressure(s) ⁽²⁾ :
 - 1.11.2. Material :

- 1.12. Filling unit or receptacle
 - 1.12.1. Working pressure(s) ⁽²⁾ :
 - 1.12.2. Material :
- 1.13. Gas injector(s)
 - 1.13.1. Working pressure(s) ⁽²⁾ :
 - 1.13.2. Material :
- 1.14. Gas flow adjuster
 - 1.14.1. Working pressure(s) ⁽²⁾ :
 - 1.14.2. Material :
- 1.15. Gas/air mixer
 - 1.15.1. Working pressure(s) ⁽²⁾ :
 - 1.15.2. Material :
- 1.16. Electronic control unit
 - 1.16.1. Basic software principles : C-code
- 1.17. Pressure and temperature sensor(s)
 - 1.17.1. Working pressure(s) ⁽²⁾ :
 - 1.17.2. Material :
- 1.18. CNG filter(s)
 - 1.18.1. Working pressure(s) ⁽²⁾ :
 - 1.18.2. Material :
- 1.19. PRD (pressure triggered)
 - 1.19.1. Working pressure(s) ⁽²⁾ :
 - 1.19.2. Material :
- 1.20. Fuel rail(s)
 - 1.20.1. Working pressure(s) ⁽²⁾ :
 - 1.20.2. Material :
- 1.21. Heat Exchanger(s)/Vaporizer(s)
 - 1.21.1. Working pressure(s) ⁽²⁾ :
 - 1.21.2. Material :
- 1.22. Natural gas detector(s)
 - 1.22.1. Working pressure(s) ⁽²⁾ :
 - 1.22.2. Material :
- 1.23. LNG filling receptacle(s)
 - 1.23.1. Working pressure(s) ⁽²⁾ :
 - 1.23.2. Material :
- 1.24. LNG pressure control regulator(s)
 - 1.24.1. Working pressure(s) ⁽²⁾ :
 - 1.24.2. Material :
- 1.25. LNG pressure and/or temperature sensor(s)
 - 1.25.1. Working pressure(s) ⁽²⁾ :
 - 1.25.2. Material :

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|---------|------------------------------------|---|
| 1.26. | LNG manual valve(s) | : |
| 1.26.1. | Working pressure(s) ⁽²⁾ | : |
| 1.26.2. | Material | : |
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| 1.27. | LNG automatic valve(s) | : |
| 1.27.1. | Working pressure(s) ⁽²⁾ | : |
| 1.27.2. | Material | : |
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| 1.28. | LNG non-return valve(s) | : |
| 1.28.1. | Working pressure(s) ⁽²⁾ | : |
| 1.28.2. | Material | : |
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| 1.29. | LNG pressure relief valve(s) | : |
| 1.29.1. | Working pressure(s) ⁽²⁾ | : |
| 1.29.2. | Material | : |
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| 1.30. | LNG excess flow valve(s) | : |
| 1.30.1. | Working pressure(s) ⁽²⁾ | : |
| 1.30.2. | Material | : |
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| 1.31. | LNG fuel pump(s) | : |
| 1.31.1. | Working pressure(s) ⁽²⁾ | : |
| 1.31.2. | Material | : |

⁽²⁾ Specify the tolerance