

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- ~~approval withdrawn~~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: E4-110R-010399

Extension number: 01

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~~⁽⁺⁾
- ~~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)⁽¹⁾
 - LNG fuel pump(s)⁽⁺⁾
 -
2. Trade name or mark : Excess Flow Valve NG303 series
3. Manufacturer's name and address : Engineered Controls International, LLC
100 RegO Drive
NC 27244, Elon
United States of America
4. If applicable, name and address of manufacturer's representative :
5. Submitted for approval on : May 2015
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 : December 16th 2015
8. Number of report issued by that service : 150201368_150502199
9. Approval : ~~granted/refused/extended/withdrawn~~⁽¹⁾
10. Reason(s) of extension (if applicable) : The LNG Excess flow valve NG303 series are extended with the new NG303 brass version.
11. Place : Zoetermeer
12. Date : 18-JAN-2016
13. Signature :
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Ing A.M. Boekestein
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)
 - 1.1.1.1. Capacity :
 - 1.1.1.2. 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 :



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|---------|---|---|
| 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 | : |
| 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 | : |



- 1.26. LNG manual valve(s)
- 1.26.1. Working pressure(s)⁽²⁾ :
- 1.26.2. Material :

- 1.27. LNG automatic valve(s)
- 1.27.1. Working pressure(s)⁽²⁾ :
- 1.27.2. Material :

- 1.28. LNG non-return valve(s)
- 1.28.1. Working pressure(s)⁽²⁾ :
- 1.28.2. Material :

- 1.29. LNG pressure relief valve(s)
- 1.29.1. Working pressure(s)⁽²⁾ :
- 1.29.2. Material :

- 1.30. LNG excess flow valve(s)
- 1.30.1. Working pressure(s)⁽²⁾ : 4.0 MPa
- 1.30.2. Material : See report 150502199

- 1.31. LNG fuel pump(s)
- 1.31.1. Working pressure(s)⁽²⁾ :
- 1.31.2. Material :

⁽²⁾ Specify the tolerance

