

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

COMMUNICATION

Concerning ⁽¹⁾:

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- ~~approval withdrawn~~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


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

Approval number: E4-110R-010369**Extension number: 00**

1. CNG/LNG component considered:

- ~~Container(s) or cylinder(s)~~⁽⁺⁾
- ~~Pressure indicator~~⁽⁺⁾
- ~~Pressure relief valve~~⁽⁺⁾
- ~~Automatic valve(s)~~⁽⁺⁾
- ~~Excess flow valve~~⁽⁺⁾
- ~~Gas tight housing~~⁽⁺⁾
- ~~Pressure regulator(s)~~⁽⁺⁾
- ~~Non return 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~~²
- ~~Heat exchanger/vaporizer~~²
- ~~Natural gas detector~~²
- ~~LNG filling receptacle~~²
- ~~LNG pressure control regulator~~²
- ~~LNG pressure and/or temperature sensor~~²
- ~~LNG manual valve~~²



- LNG non return valve²
 - LNG pressure relief valve²
 - LNG excess flow valve²
 - LNG fuel pump²
2. Trade name or mark : Angle relief valve APQP
RegO Products
Engineered Controls International LLC
Macro Technologies LLC
3. Manufacturer's name and address : Engineerd Controls International, LLC
100 RegO Drive, 27244
Elon, North Carolina
United states of America
4. If applicable, name and address of manufacturer's representative :
5. Submitted for approval on : February 2014
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 : August 4th, 2014
8. Number of report issued by that service : 127072
9. Approval : granted/~~refused/extended/withdrawn~~⁽¹⁾
10. Reason(s) of extension (if applicable) :
11. Place : Zoetermeer
12. Date : 06--NOV-2014
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 components pursuant to Regulation number 110.
 - 1.1. Container(s) or cylinder(s)
 - 1.1.1. Dimensions :
 - 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 non-return 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 (CNG-fuelling)		
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⁾	:	... MPa
1.19.2.	Material	:	
1.20.	Fuel rail(s)		
1.20.1.	Working pressure(s) ⁽²⁾	:	... MPa
1.20.2.	Material	:	
1.21.	Heat Exchanger(s) / Vaporizer(s)		
1.21.1.	Working pressure(s) ⁽²⁾	:	... MPa
1.21.2.	Material	:	
1.22.	Natural gas detector(s)		
1.22.1.	Working pressure(s) ⁽²⁾	:	... MPa
1.22.2.	Material	:	
1.23.	LNG filling receptacle(s)		
1.23.1.	Working pressure(s) ⁽²⁾	:	... MPa
1.23.2.	Material	:	
1.24.	LNG pressure control regulator(s)		
1.24.1.	Working pressure(s) ⁽²⁾	:	... MPa
1.24.2.	Material	:	
1.25.	LNG pressure and/or temperature sensor(s)		
1.25.1.	Working pressure(s) ⁽²⁾	:	... MPa
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⁾ : ... MPa
- 1.27.2. Material :

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

- 1.29. LNG pressure relief valve(s)
- 1.29.1. Working pressure(s)⁽²⁾ : 1590 Kpa up to 2860 Kpa
- 1.29.2. Material : See Report 127072

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

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

⁽²⁾ Specify the tolerance

