

Documents regarding Approval of

CNG Manual Valve of class 0
Of BMT Co. Ltd. Make

Approval number: **E4-110R-000307-00**

Report No: **IN110-A0-120034 Dated 16-July-2012**

Name of technical service

TÜV NORD Mobilität GmbH & Co. KG
Institut für Fahrzeugtechnik und
Mobilität
Adlerstr. 7
D-45307 Essen

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RDW

Vehicle Technology Division

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- ~~- approval withdrawn~~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 component pursuant to Regulation number 110.

Approval number: E4-110R-000307


Extension number: 00

1. CNG component considered:

- Container(s) or cylinder(s)⁽⁴⁾
- Pressure indicator
- Pressure relief valve
- Automatic valve(s)
- Excess flow valve
- Gas tight housing
- Pressure regulator(s)
- Non return valve(s)
- Pressure relief device
- 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)



2. Trade name or mark

:  SUPERLOK T&S VALVES
High Pressure Ball Valve
(SCBV3601, SCBV3602, SCBV3603)

P.O. Box 777
2700 AT Zoetermeer
The Netherlands

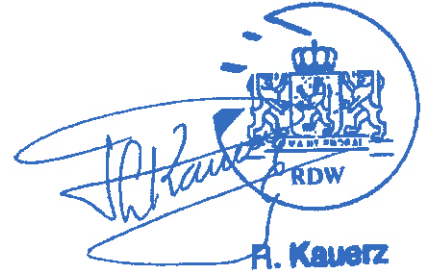
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Vehicle Approval and Information

Approval number: E4-110R-000307

Extension number: 00

- Manufacturer's name and address : BMT CO., LTD
21-1, Bukjeong-dong, Yangsan-si,
Gyeongsangnam-do,
626-110 S.Korea
4. If applicable, name and address of manufacturer's representative : NA
5. Submitted for approval on : December'2011
6. Technical service responsible for conducting approval tests : TÜV NORD Mobilität GmbH & Co. KG
Institut für Fahrzeugtechnik und Mobilität
Adlerstr. 7
D-45307 Essen
7. Date of report issued by that service : 16-July-2012
8. Number of report issued by that service : IN110-A0-120034
9. Approval : granted/~~refused/extended/withdrawn~~⁽¹⁾
10. Reason(s) of extension (if applicable) : NA
11. Place : ZOETERMEER
12. Date : 06-NOV-2012
13. Signature :
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 : Not Applicable
 - 1.1.2. Material : Not Applicable
 - 1.2. Pressure indicator
 - 1.2.1. Working pressure(s) ⁽²⁾ : Not Applicable
 - 1.2.2. Material : Not Applicable
 - 1.3. Pressure relief valve (discharge valve)
 - 1.3.1. Working pressure(s) ⁽²⁾ : Not Applicable
 - 1.3.2. Material : Not Applicable
 - 1.4. Automatic valve(s)
 - 1.4.1. Working pressure(s) ⁽²⁾ : Not Applicable
 - 1.4.2. Material : Not Applicable
 - 1.5. Excess flow valve
 - 1.5.1. Working pressure(s) ⁽²⁾ : Not Applicable
 - 1.5.2. Material : Not Applicable
 - 1.6. Gas-tight housing
 - 1.6.1. Working pressure(s) ⁽²⁾ : Not Applicable
 - 1.6.2. Material : Not Applicable
 - 1.7. Pressure regulator(s)
 - 1.7.1. Working pressure(s) ⁽²⁾ : Not Applicable
 - 1.7.2. Material : Not Applicable
 - 1.8. Check valve(s) or non-return valve(s)
 - 1.8.1. Working pressure(s) ⁽²⁾ : Not Applicable
 - 1.8.2. Material : Not Applicable
 - 1.9. Pressure relief device (temperature triggered)
 - 1.9.1. Working pressure(s) ⁽²⁾ : Not Applicable
 - 1.9.2. Material : Not Applicable
 - 1.10. Manual valve
 - 1.10.1. Working pressure(s) ⁽²⁾ : 260 bar for consideration of R110
 - 1.10.2. Material : 316 Stainless steel
 - 1.11. Flexible fuel lines
 - 1.11.1. Working pressure(s) ⁽²⁾ : Not Applicable
 - 1.11.2. Material : Not Applicable
 - 1.12. Filling unit or receptacle
 - 1.12.1. Working pressure(s) ⁽²⁾ : Not Applicable
 - 1.12.2. Material : Not Applicable



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|---------|--|------------------|
| 1.13. | Gas injector(s) | |
| 1.13.1. | Working pressure(s) ⁽²⁾ | : Not Applicable |
| 1.13.2. | Material | : Not Applicable |
| 1.14. | Gas flow adjuster | |
| 1.14.1. | Working pressure(s) ⁽²⁾ | : Not Applicable |
| 1.14.2. | Material | : Not Applicable |
| 1.15. | Gas/air mixer | |
| 1.15.1. | Working pressure(s) ⁽²⁾ | : Not Applicable |
| 1.15.2. | Material | : Not Applicable |
| 1.16. | Electronic control unit (CNG-fuelling) | |
| 1.16.1. | Basic software principles | : Not Applicable |
| 1.17. | Pressure and temperature sensor(s) | |
| 1.17.1. | Working pressure(s) ⁽²⁾ | : Not Applicable |
| 1.17.2. | Material | : Not Applicable |
| 1.18. | CNG filter(s) | |
| 1.18.1. | Working pressure(s) ⁽²⁾ | : Not Applicable |
| 1.18.2. | Material | : Not Applicable |

⁽²⁾ Specify the tolerance

