ECE TYPE-APPROVAL CERTIFICATE

Communication concerning:

- Approval granted
- Approval extended
- Approval refused
- Approval withdrawn
- Production definitely discontinued

of a type of CNG/LNG component pursuant to Regulation No. 110.

Approval No: **E24*110R05/00*0059*03**

1. CNG/LNG component considered:
   - Container(s) or cylinder(s)
   - Tank(s) or vessel(s)
   - CNG accumulator(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)

   Type: **CH8**
   Version(s): **2 psi to 25 psi**

   - Pressure relief device (PRD) (temperature triggered)
   - Manual valve
   - Flexible fuel lines
   - Filling unit or receptacle
   - Gas injector(s)
   - CNG Compressor
   - 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 sensor(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)
Approval No: **E24*110R05/00*0059*03**

2. Trade name or mark: **SSP Fittings**

3. Manufacturer’s name and address: 
   **SSP Fittings**
   8250 Boyle Parkway Twinsburg, Ohio
   44087, USA

4. If applicable, name and address of manufacturer’s representative: **N/A**

5. Submitted for approval on: **As before and: 23.06.2023**

6. Technical service responsible for conducting approval tests: **TÜV SÜD Auto Service GmbH**
   Westendstraße 199
   D-80686 München

7. Date of report issued by that service: **As before and: 23.06.2023**

8. No. of report issued by that service: **15-00002-IS-MUC- up to 03**

9. Approval granted/refused/extended/withdrawn: **Extended**

10. Reason(s) of extension (if Applicable): See test report 15-00002-IS-MUC-Up to 03 and the accompanying manufacturer’s documentation for details

11. Place: **Dublin.**

12. Date: **20th July, 2023.**

13. Signature: [Signature]

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

---

1 Distinguishing number of the country which has granted/extended/refused/withdrawn approval (see approval provisions in the Regulation).

2 Strike out what does not apply.
Annex 2B – Addendum

1. Additional information concerning the type approval of a type of CNG/LNG 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

1.1.2. Tank(s) or vessel(s) (for LNG system)
   1.1.2.1. Capacity: N/A
   1.1.2.2. Material: N/A

1.1.3. CNG accumulator
   1.1.3.1. Dimensions: N/A
   1.1.3.2. Material: N/A
   1.1.3.3. Capacity: 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

1.32. CNG Compressor
   1.32.1. Working pressure(s): N/A
   1.32.2. 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 check valve(s)
   1.8.1. Working pressure(s):
   1.8.2. Material:

1.9. Pressure relief device (temperature triggered)
   1.9.1. Working pressure(s):
   1.9.2. Material:

1.10. Manual valve
   1.10.1. Working pressure(s): N/A
   1.10.2. Material: N/A

1.11. Flexible fuel lines
   1.11.1. Working pressure(s): N/A
   1.11.2. Material: N/A

1.12. Gas injector(s)
   1.12.1. Working pressure(s): N/A
   1.12.2. Material: N/A

1.13. Gas flow adjuster
   1.13.1. Working pressure(s): N/A
   1.13.2. Material: N/A

1.14. Gas/air mixer
   1.14.1. Working pressure(s): N/A
   1.14.2. Material: N/A

1.15. Electronic control unit
   1.15.1. Working pressure(s): N/A
   1.15.2. Material: N/A

1.17. Pressure and temperature sensor(s)
   1.17.1. Working pressure(s): N/A
   1.17.2. Material: N/A

1.18. CNG filter(s)
   1.18.1. Working pressure(s): N/A
   1.18.2. Material: N/A

1.19. PRD (pressure triggered)
   1.19.1. Working pressure(s): N/A
   1.19.2. Material: N/A

---

455 bar @ +85°C
Body: Stainless steel - 316SS / ASTM A479
O’ring: Low Temp BUNA-N (Parker N0756), Urethane (Disogrin 9251)
<table>
<thead>
<tr>
<th>Component</th>
<th>Working Pressure</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel rail(s)</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Working pressure(s):¹</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Heat Exchanger(s) / Vaporizer(s)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Working pressure(s):¹</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Material:</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Natural gas detector(s)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Working pressure(s):¹</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Material:</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>LNG filling receptacle(s)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Working pressure(s):¹</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Material:</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>LNG pressure control regulator(s)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Working pressure(s):¹</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Material:</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>LNG pressure and/or temperature sensor(s)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Working pressure(s):¹</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Material:</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>LNG manual valve(s)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Working pressure(s):¹</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Material:</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>LNG automatic valve(s)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Working pressure(s):¹</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Material:</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>LNG non-return valve(s)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Working pressure(s):¹</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Material:</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>LNG pressure relief valve(s)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Working pressure(s):¹</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Material:</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>LNG excess flow valve(s)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Working pressure(s):¹</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Material:</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>LNG fuel pump(s)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Working pressure(s):¹</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Material:</td>
<td>N/A</td>
<td></td>
</tr>
</tbody>
</table>

¹ Specify the tolerance