Variable Speed Cryogenic Pump for Liquid Transfer Pump

Applications
- Vehicle Fueling Stations (LNG)
- LPG / LNG / LN2 / LAR Transfer Pumps
- Dual Fuel Engine Feed Pumps
- Vaporizer Feed Pumps for LNG / LPG Satellite Stations

Features
- No dynamic seals and fully submerged fixed and variable speed electric motor
- Suitable for Class 1, Div 1, Installation per USNEC (NFPA-70-2002)
- Low NPSH R characteristics
- No scheduled maintenance

NIKKISO CO., LTD.
**Product Scope**
- Submerged electric motor
  - No dynamic seals
- Advanced centrifugal pump design
- Proven impeller technology
- Helical high solidity inducer for low NPSHR
- Dual seal electrical penetration with explosion proof junction box suitable for Class 1, Div 1 locations per USNEC (NFPA-70)

**Options**
- ASME suction vessel
- Vacuum jacket on suction vessel
- Adjustable speed motor control
- Vibration sensing

**Specifications**

<table>
<thead>
<tr>
<th>Pump Model</th>
<th>62020L1-P7.5R</th>
<th>62020L1-P15R</th>
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</thead>
<tbody>
<tr>
<td>Capacity / Differential Head</td>
<td>2.5 – 24 m³/h / 195m (Max.)</td>
<td>4 – 102 gpm / 640ft (Max.)</td>
</tr>
<tr>
<td>Pump Speed</td>
<td>Maximum 7200 rpm</td>
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<tr>
<td>Design Pressure</td>
<td>3 MPaG</td>
<td></td>
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<tr>
<td>Voltage Input</td>
<td>3 Phase 380 – 460 V</td>
<td></td>
</tr>
<tr>
<td>Motor Output (Wet Motor)</td>
<td>7.5kW</td>
<td>15kW</td>
</tr>
<tr>
<td>Inverter Output</td>
<td>11kW</td>
<td>18.5kW</td>
</tr>
<tr>
<td>Pump Material</td>
<td>Aluminum / Stainless Steel</td>
<td></td>
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</tbody>
</table>

**Mass**
- Pump / Motor: 55 kg
- Terminal Header / Junction Box: 20 kg
- Suction Casing / Head Plate: 180 kg

**Connections**
- Suction Nozzle: ANSI CLASS300 3" RF
- Discharge Nozzle: ANSI CLASS300 2" RF

**NIKKISO CO., LTD.**
Cryogenic Pump Division: 16-2, Noguchi-cho, Higashimurayama, Tokyo 189-8520, Japan

**NIKKISO CRYO, EUROPE**
Fountain Court, 2 Victoria Square Street, St. Albans, Hertfordshire AL1 3TF U.K.
Telephone: +44-1727-884-949 Facsimile: +44-1727-884-800

**NIKKISO CRYO, INC.**
4661 Eaker Street, North Las Vegas, NV 89081-2746, U.S.A.

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