Technical Index

**Pump ID Meaning**

<table>
<thead>
<tr>
<th>VS (model) x 3 x 2 x 7</th>
<th>Suction flange</th>
<th>Discharge flange</th>
<th>Wheel diameter in inch</th>
</tr>
</thead>
</table>

Applications
- Stationary pump for liquid transfer
- Road tankers

Liquids pumped
- LCO₂, LIN, LAR, LNG

Drive type
- Direct

Design pressure
- 25 bar / 365 PSI

**Test Procedure**

Each pump manufactured by CRYOSTAR is mechanically and cryogenically tested prior to shipment in our state-of-the-art testing facility to ensure that performance meets customer specification. The precision of measuring devices provides essential results: differential head, flow rate, seal gas consumption, pump efficiency, NPSH, noise and vibration levels – all documented and submitted to the customer.

**Quality**

Designed in compliance with guidelines like IGC 11/82 norm

---

**Performance**

![Graph of Vertical Sealess VS Transfer Pump](image-url)

**VS 3x2x7**
- 4000 min⁻¹
- 2950 min⁻¹

**Graph Details**
- Head (m)
- Flow (l/min)
**Features**

1. Hermetically encapsulated pump eliminating the need for a shaft seal
2. High hydraulic efficiency closed impeller
3. Helical inducer allowing low required NPSH
4. Special submerged electric motor cooled by the pumped fluid
5. Motor bearings lubricated by the process fluid resulting in a “zero-maintenance” design

* Pump low noise level

For more details please contact your local Cryostar representative