Transfer Pump CS

Technical Index

Pump ID Meaning

<table>
<thead>
<tr>
<th>CS</th>
<th>Impeller Ø in mm</th>
<th>Impeller tip width in mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS</td>
<td>260</td>
<td>5</td>
</tr>
</tbody>
</table>

Applications
- Stationary pump for liquid transfer
- Road tankers

Liquids pumped
- LO₂, LN₂, LAr

Drive type
- Direct coupled

Design pressure
- Up to 36 bars / 520 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 showing performance metrics for Transfer Pump CS]
**Features**

1. Composite Cryostar type mechanical seal: 4 times longer life time than standard carbon seals
2. High hydraulic efficiency closed impeller.
3. Helical inducer allowing low required NPSH
4. Direct coupled pump without gearbox avoiding use of oil
5. The speed of the pump can be adjusted through the variable speed motor
6. The pump is working at a very low noise level
7. ALLEN BRADLEY or VACON frequency variator, with a power capacity up to 37 KW, and an intensity up to 72 A

---

Permacold barrier consisting of:

- Volute separated from the electrical motor by an open intermediate piece with 4 hollow arms. This intermediate piece only presents 4 contact points for low thermal conductivity.
- Hollow shaft reducing the thermal conductivity to minimum.
- Thick insulation plate providing low thermal conductivity

For more details please contact your local Cryostar representative