



★ **DISTRIBUTION**
CRYOSTAR

★ **PROCESS**
CRYOSTAR

Technical Index

★ Pump ID Meaning

CS 260 / 5
(model) (Impeller Ø in mm) (Impeller tip width in mm)

Applications	Stationary pump for liquid transfer
	Road tankers
Liquids pumped	LO ₂ , LN ₂ , LAr
Drive type	Direct coupled
Design pressure	Up to 36 bars / 520 PSI

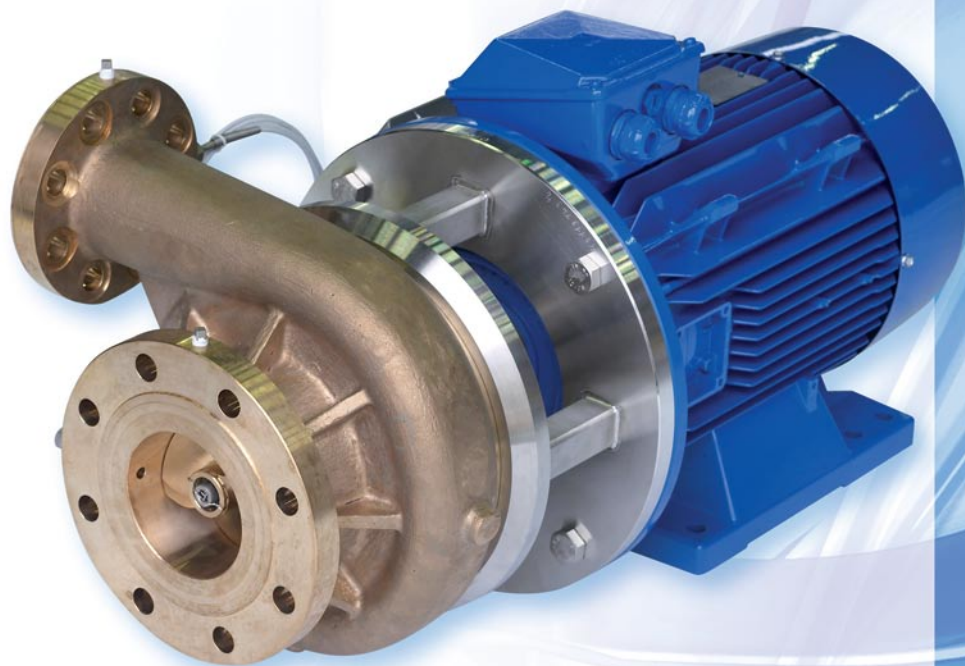
★ Test Procedure

Each pump manufactured by CRYO-STAR 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.

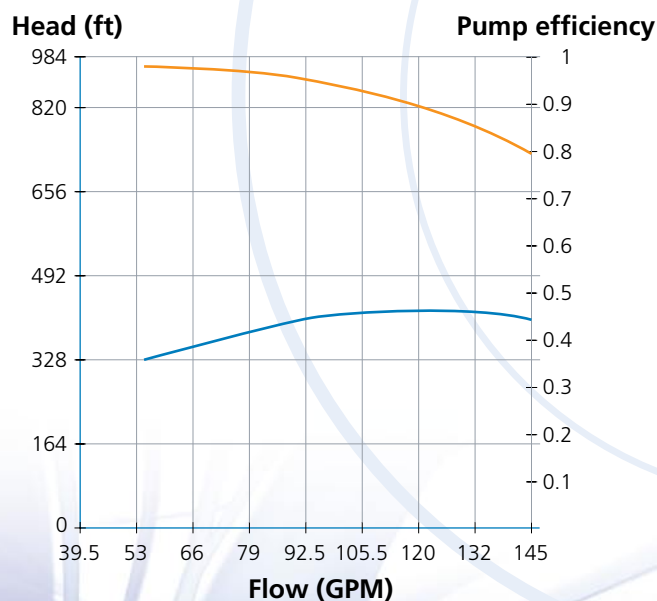
★ Quality

Designed in compliance with guidelines like IGC 11/82 norm

Transfer Pump CS

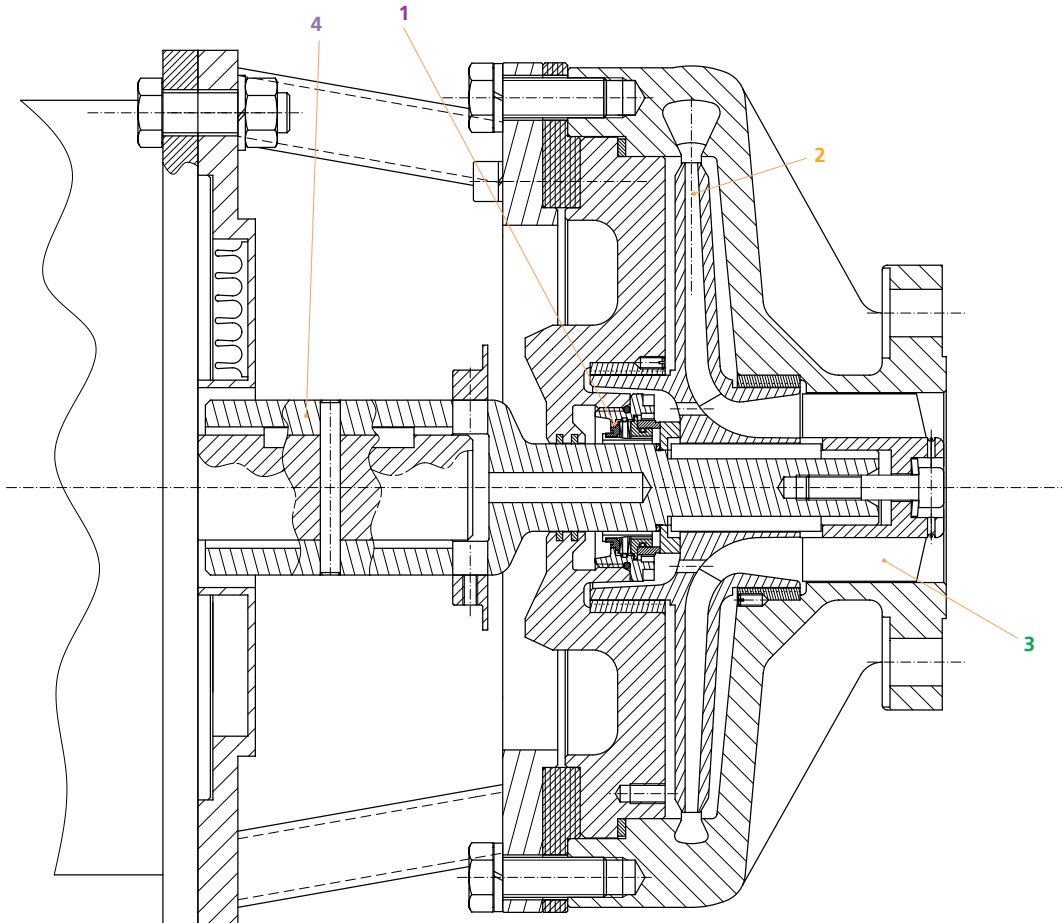


★ Performance





- 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



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