



PROJECT : FRØY TIE-IN
PACKAGE TITLE : OIL TRANSFER PUMPS
PURCHASE ORDER : PO-FF-22-26-1028
SUPPLIER REF. : PG 7804/93/6886-HÅS
TAG NUMBER : CP-618 A/B

Thyssen pump type SVN 6X25 INLINE is a vertical, single stage, inline centrifugal pump.

Each pump package includes:

- Centrifugal Pump (CP-618 A/B)
Thyssen SVN 6X25 INLINE
- Mechanical Seal
Borg Warner GQBLK 3437/90-5J4H/5U4X, API Plan 13-61
- Pressure Transmitter (for detection of seal leakage)
Rosemount 1151-GP6-S22-B2-D3-I1-H1
- Electric motor (CM-631 A/B)
ABB HXR355 LA4 EExp, 160KW, 5500V, 50Hz
- Purging System mounted on electric motor
EXPO CU2/P21C
- Suction Strainer
Flochem/Vee Bee 8", 300# RF

Design of the pump (Fig. 1)

The pumps of this type are vertical, single-stage, single-suction radially-split centrifugal pumps. They excel in robust construction of all parts and have been designed for permanent operation.

Special features:

The pump design allows installation in a straight pipe section. The radially-split casing enables easy removal of impeller (part 230), shaft seal (part 433), casing wear rings (parts 502.01 and 502.02) and impeller wear rings (parts 503.01 and 503.02).

With this type of design the pump shaft is supported also in the drive motor bearings which simplifies the technical feature considerably.

The pump feet are arranged on the pump casing bottom. It is supported on a baseplate.

The deaeration of the pump is incorporated in the casing cover (part 161) with outlet in the topmost part of the casing. When aggressive or dangerous liquids are concerned an adequate deaeration line can be connected at this point which will lead any gas or liquid to special tanks provided.

The drain connection is located in the lowest point of the feed side of the casing. If the pump cannot be drained via the line system a drain line can be connected at this point which would lead to the respective tanks.