



Pump-Checklist

Plant information

Datum: June 2011

W 2162-7.04a_e

Blatt 1 / 2

MW

Date:
Customer:
Contact:
Reported problem:

Pump type:
Serial number:

Start-up of the pump system: (month/year)

New plant existing plant year of erection:
Replacement of existing pumps: yes no

Total duty: kW

Refrigerant:
Oil: (brand name or specification)

Standby-pump: yes no
Number of cycles: /day
Minimum stand-still period min after stoppage
Minimum run time min after restart

Pumping ratio:
Selected flow rate at this ratio: m³/hrs
Differential pressure over the pump: bar ($p_{\text{behind the pumps}} - p_{\text{surge drum}}$)
Hours of operation:

Voltage: V
Frequency control? yes no , if yes between Hz and Hz

How is the minimum flow provided?
Always flow into the system, at least m³/h
Bypass line installed with \varnothing mm
Bypass valve (brand and type),
Bypass valve set at bar or
in case of CO₂ \varnothing of permanent open orifice mm

Evaporating temperature in the surge drum:
Field of application: HP LP
Rotation direction tested yes no

Installation: Suction line \varnothing : mm
Height above suction flange to bottom of drum: m

Please attach a sketch of pipework to pump and other pumps showing valve types and positions. If horizontal headers are used to one or more pumps, please indicate all pipe sizes on sketch.



Pump-Checklist

Plant information

Datum: June 2011

W 2162-7.04a_e

Blatt 2 / 2

MW

Fittings in the suction line: valve Ø mm
Valve type (brand, model)
Automatic operated: yes no
Open during stand-still? yes no

Fittings in the discharge line: Discharge valve(brand, model)
Check valve(brand, model)

Pump alignment: is the pump installed stress-free and aligned properly? yes

Safety equipment: Temperature switch connected yes no
Flow switch(brand, model)
Differential pressure switch.....(brand, model)
adjusted pressure bar
Low level cut out of the pump yes no

Surge drum: Horizontal or vertical
Diameter: mm
Length: mm
Minimum level setpoint mm (to bottom of surge drum)
Vortex breakers in the downleg yes no

Oil drainage: manual automatic:
where:
Oil refilled since commissioning? yes no
If so how much oil was filled ltr

Compressor: Piston Screw
Compressor capacity: kW
Max. pressure difference per day bar
Amount of pressure variations > 1 bar per hour

Evaporators: Air cooled
Plate
Froster
Other:
Distance evaporators – pump: m
Height evaporators – pump: m
Is each evaporator separatly controlled: yes no
Amount of evaporators: pcs.

Condenser : Evaporating/aircooled condenser
Plate condenser
Other:
Control of the condensate at : HP LP

Thank you for your help!!

Fax: +49-241-182 08-490 or email: info@th-witt.com