



4.1 The intermediate pressure system (-9°C).

4.1.1 An intermediate pressure separator.

Capacity (total)	: approx.	628 kW.
Evaporation temperature	: -9	°C.
Liquid entering temperature	: 41	°C.
Hull diameter	: min. 1,000	mm.
Length	: 3,300	mm.
Nominal pressure	: 17	Bar.
Hallmark	: TÜV.	

Including:

- State blasting and conservation by means of two coats of zinc phosphate paint.
- Manual valves in refrigerant connections.
- Selection of fittings and connecting pipes for the expansion of the compressor capacity with an additional reciprocating compressor.
- Diverter valve and double spring safety.
- Standpipe, mounted between valves.
- Level sensor, manufacturer Kornwestheim.
- Pressure sensor (4-10 mA output) with valve.
- Service valve.
- A support structure in painted version.
- Insulation blocks between frame and cold parts.
- "Effervescent nozzle" for LD compressors.

4.1.2 An oil drain reservoir.

Version : hot-dip galvanized.

Including:

- Heating element.
- Manual valves for inlet and degassing.
- Safety valve.
- Oil drain valve with quick closing valve.
- Pressure gauge with shut-off valve.

4.1.3 Two NH₃ circulation pumps.

Flow rate	: approx. 3	m ³ /hour.
Pressure	: 20	m.v.c.
Engine power	: 1	kW.
Type	: HRP-3232.	
Manufacturer	: Witt.	

Including:

- Suction valve.
- Combined non-return valve/shut-off valve in discharge line.
- Manometer with manual valve on discharge valve.
- Differential pressure Pressostat mounted between valves.

4.1.4 Fittings in refrigerant pipes.

- Automatic blocking valve in central pump line.
- Overflow valve in central pump line.



4.1.5 Fittings in refrigerant pipes.

In downstream line to LD separator.

- Filter.
- Pressure reducing valve in fail-safe version, manufacturer Kornwestheim.
- Manual valve.