



HDB3

**Stainless Steel
Oil drain vessel**

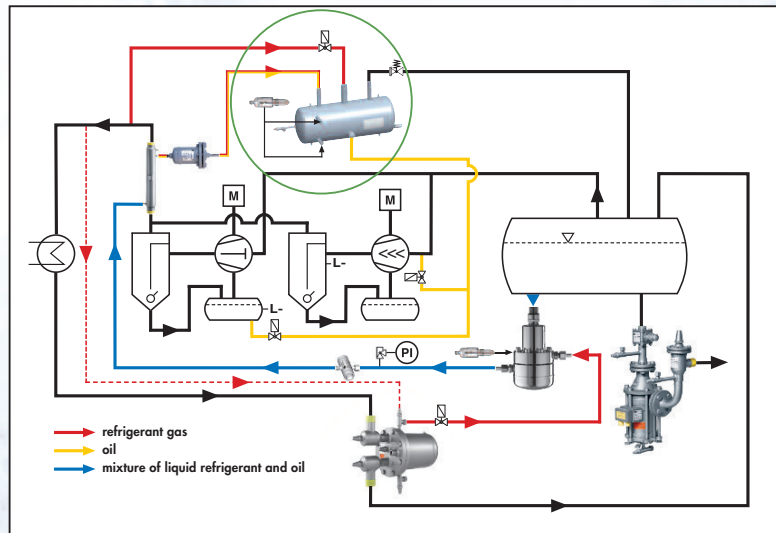


HDB3

Stainless steel oil drain vessel

The WITT HDB can be used as

- an oil drain vessel,
- oil distribution vessel to provide multiple compressors with oil or
- as supplement/additional oil dome for installation of an automatic oil return system.



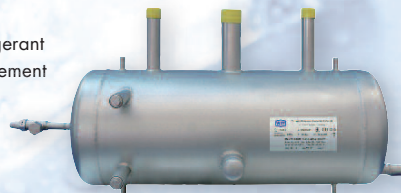
Easy handling

Our stainless steel HDB does not require maintenance or insulation.

It is normally sufficient to use ambient heat to evaporate any liquid refrigerant that accumulates. If this is found to be insufficient, an electrical heater element can be fitted to the thermowell if necessary.

Reduce your planning effort

Because of our comprehensive design philosophy the stainless steel HDB has all required nozzles. Connections are provided for min/max-control; with the optional oil sensor a demand-actuated control can be activated. The HDB can be installed suspended from above or supported from below by means of built in threaded mounting pads top & bottom, using standard mounting brackets. The settlement of any dirt or sludge has been taken into account and its subsequent carry-over is mitigated by our design. You can mount the HDB on feet or suspended with standard brackets.

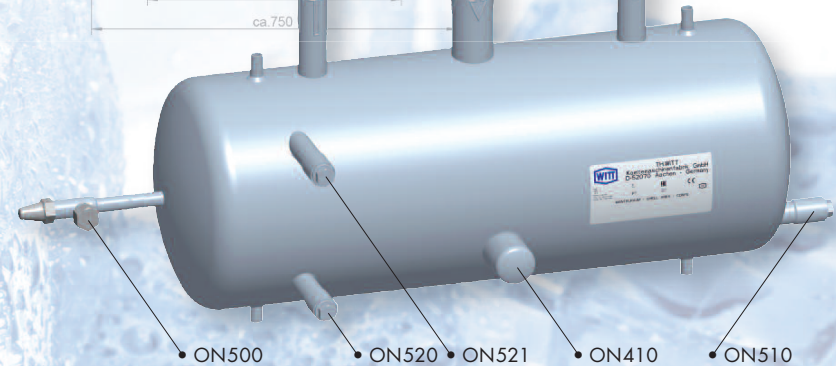
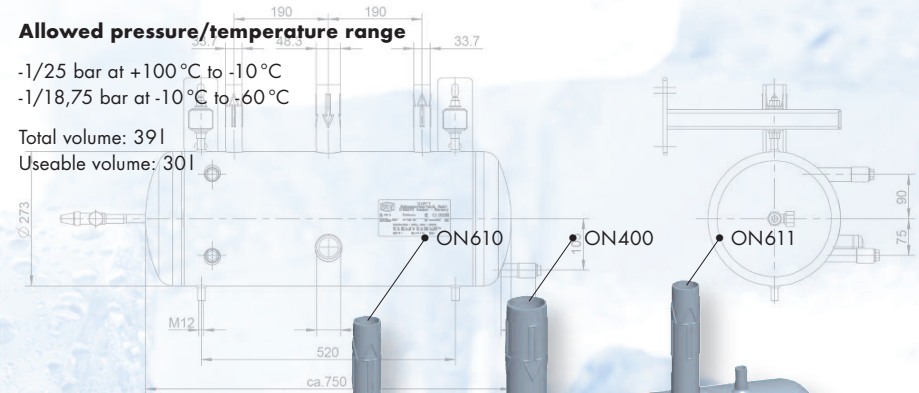


Allowed pressure/temperature range

- 1/25 bar at +100 °C to -10 °C
- 1/18,75 bar at -10 °C to -60 °C

Total volume: 39l

Useable volume: 30l



Scope of supply

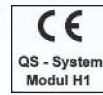
- **HDB-vessel in stainless steel**, according to AD2000 and PED
- **Connection DN40** for supply of refrigerant/oil mixture (ON400)
- **Connection DN25** for safety valve (ON610)
- **Connection DN40** for installation of an optional BDP or distribution (ON410)
- **Connection DN25** for equalisation line/reserve (ON611)
- **Connection with thread G $\frac{1}{2}$ "/IG** min/max-level + screw plugs G $\frac{1}{2}$ " (ON520/21)
- **Oil drain connection** with EA10GB/VA
- **SSV6 quick acting valve** for connection to EA10 (supplied loose)
- **Thermowell with G $\frac{1}{2}$ " connection** for optional electrical heater element (ON510)
- **Mounting sockets M12** top and bottom
- **Bracket incl. required fastening material**

Accessories

- **Electrical heater 200 W element**
- **Oil sensor G $\frac{1}{2}$ "** with encased gasket for installation into min/max-connections
- **Overflow valve**
- **BDP** for automatic oil return incl. Connection-Valve
- **EA10GBL/VA** for pressure gauge
- **Pressure gauge** with stand

High-quality refrigeration components

- **HRP** Hermetic refrigerant pumps
- **GP** Open refrigerant pumps
- **HR & HS** High side float regulators
- **WP3HR** High side float regulators for heat pumps up to 65 bar
- **ECO** Economizer
- **BDP** Automatic oil recovery
- **NGX** Maximum level switch
- **HDB 3** Stainless steel oil drain vessel
- **HAD** High efficient separator
- Pumping stations
- **SAV** Standard-separator-evaporator-unit
- **DB** Pressure vessel units
- **NH₃/CO₂** Cascades



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