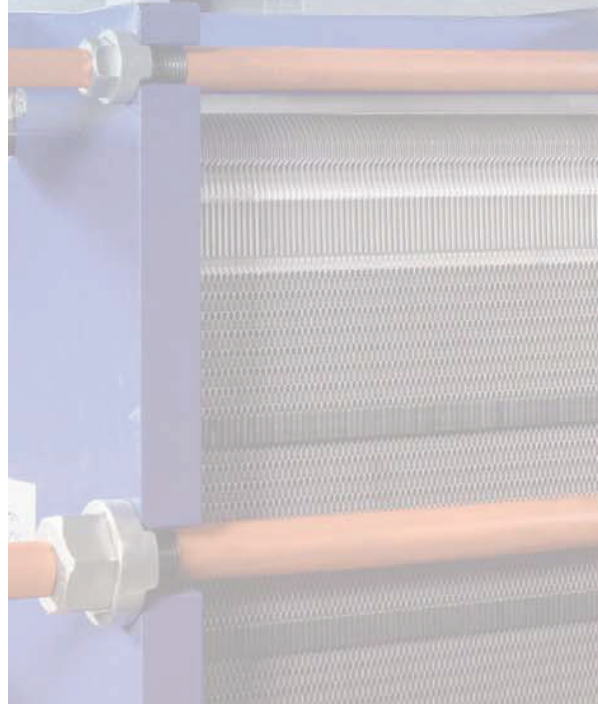




SAV

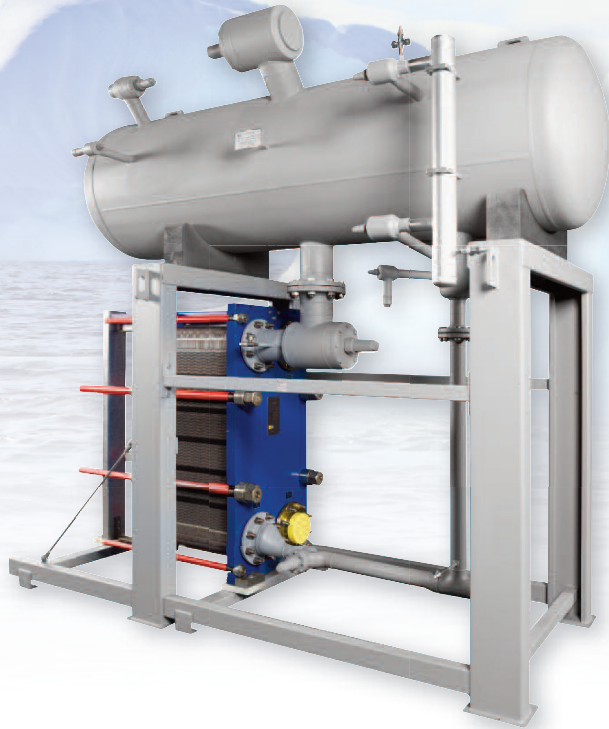
**Standard-
separator-
evaporator-
assembly**



SAV

Standard-separator-evaporator-unit

The SAV is a high-performance unit, build from a semi-welded Alfa-Laval plate evaporator in combination with a WITT high efficiency separator type HAM and necessary accessories.

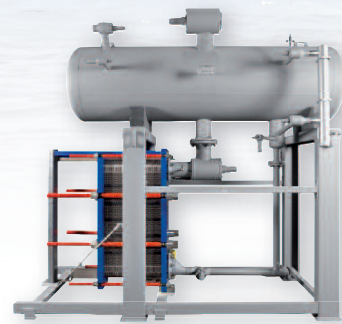


Reduce your planning effort

With our SAV-units all required dimensions, connections and weights are available in 2D- and 3D-files before you start your design. You receive a ready-made equipment that you do not need to invest any design time in.

Fast delivery time

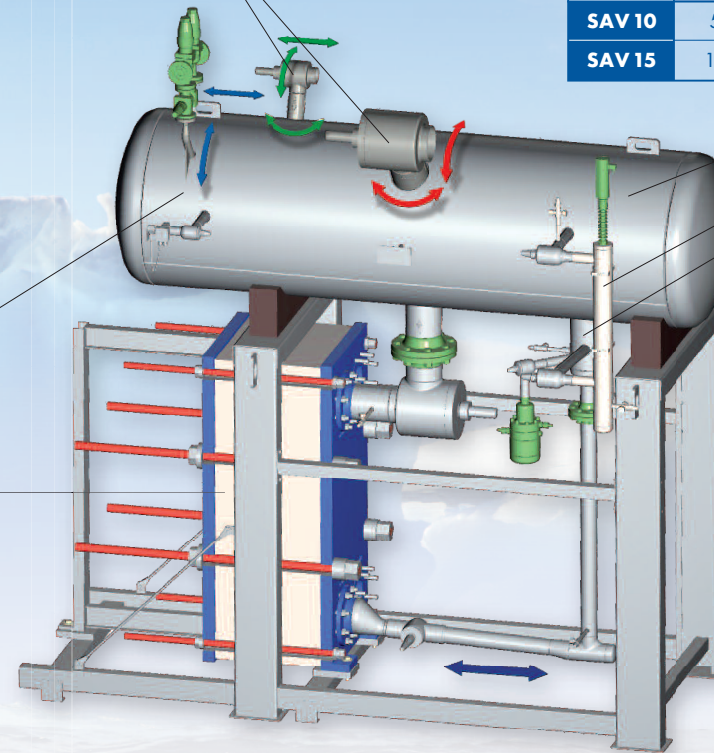
Our fast delivery times of five to six weeks make it possible for you to concentrate on other critical lead items.



WITT overfill-protection

Alfa Laval semi-welded heat exchanger

AWP valves already installed



- WITT integrated high efficiency separator
- WITT stainless steel standpipe
- WITT oil trap

Design options

- flexibel valve position on top of the surge drum
- right execution (plate evaporator to the right, secondary connection at the front)
- left execution (plate evaporator to the left, secondary connection at the back)
- divided execution with flanges (only SAV15)

Accessories

- PARKER safety valve unit
- RTK level probe
- WITT automatic oil return BDP

Specification

Complete surge drum-evaporator unit in very compact design according to AD200 and pressure vessel directive, module H1

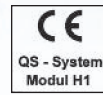
- **Supporting frame in painted steel**
incl. set-up and piping with stop valves before the plate heatexchanger on the refrigerant side
- **High-efficiency separator (WITT)**
type: HAM 660X2330 (SAV 10)
type: HAM 813X2890 (SAV 15)
- **semi-welded plate heatexchanger (Alfa Laval)**
type: M10 RefTight (SAV 10)
type: MK15 RefTight (SAV 15)
- **Standpipe in stainless steel with G1" connection and stop valves**
for optional level sensor, i.e. RTK
- **liquid-carry-over protection type: NGX (WITT)**
with stop valve DN32

- **Compressor surge valve type: AVR-angle (AWP)**
DN125 (SAV 10), DN150 (SAV 15)
- **Liquid injection valve type: AVR-angle (AWP)**
DN50 (SAV 10), DN65 (SAV 15)
- **Connecting flange type: F DN15**
for optional dual safety valve unit
- **Pressure gauge-/pressure sensor-/service-connection**
2x as dual service valves at the standpipe
- **Oil-dome with valve DN 32**
for optional automatic oil return, i.e. BDP
- **2 valves for manual oil draining EA10**
At inlet of the plate heat exchanger and oil trap
- **1 service valve EA10**
Evaporator return line

*Performance data: ammonia/ethylen glycol $T_0 = -10^{\circ}\text{C}, -7^{\circ}\text{C}/-3^{\circ}\text{C}$, delta $T_m = 3\text{K}$

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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