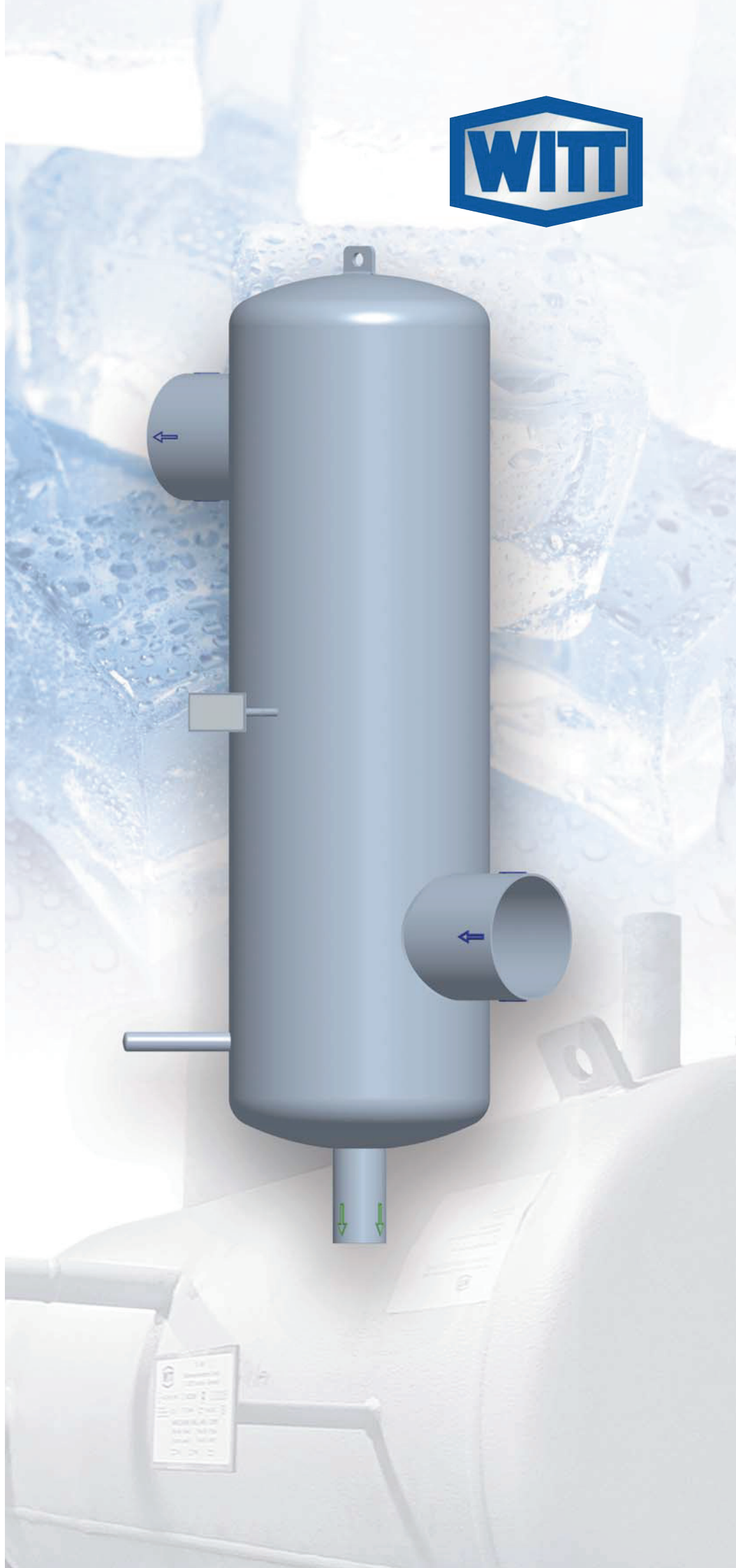




# HAD

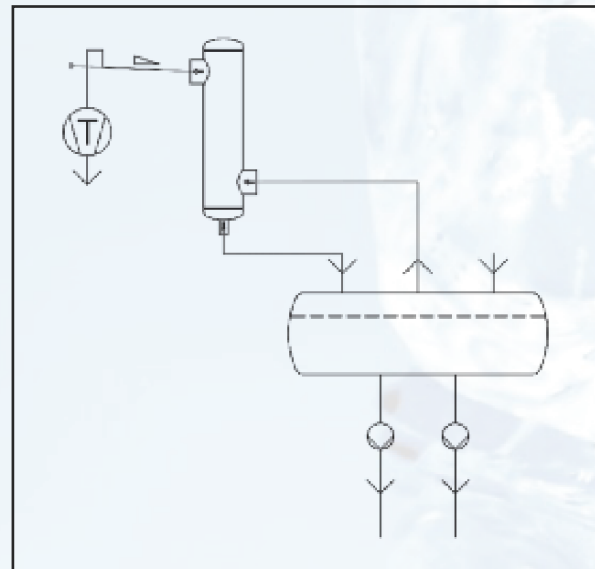
**High efficient  
separator**



# HAD

## High efficient separator

Our WITT HAD is a unique, high efficiency separator, that allows you increase the refrigerant charge in the existing separator to a maximum. The HAD is ideally suited to the expansion of existing systems or wherever an absolutely dry return line is required (also at dry expansion systems). The installation can usually be integrated in the existing piping layout without great effort.



### Easy handling

Positioning the HAD is flexible and offers a compact, space-saving solution that is easily installed and good to insulate.

### Economical

No need for expensive expansion of the machinery room size, when using conventional surge drum systems. The increased compressor efficiency leads to an improved (minimised) operational expenditure.

### Technically mature

Take advantage of our long-term experience. We guarantee a complete and reliable separation.

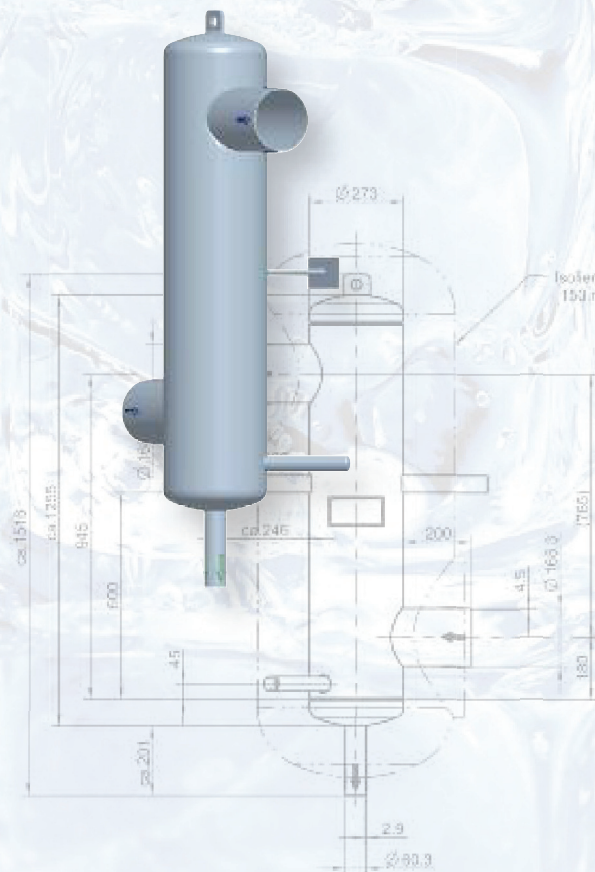
### Compact

Retrofitting additional capacity into existing systems is mostly not possible due to space restrictions. The HAD fits in restricted rooms and takes care of reliable refrigerant separation, keeping the suction line absolutely dry. A dry suction line is essential to avoid liquid hammer. Furthermore an optimum performance of the dry suction line will increase the efficiency and lifetime of compressors.

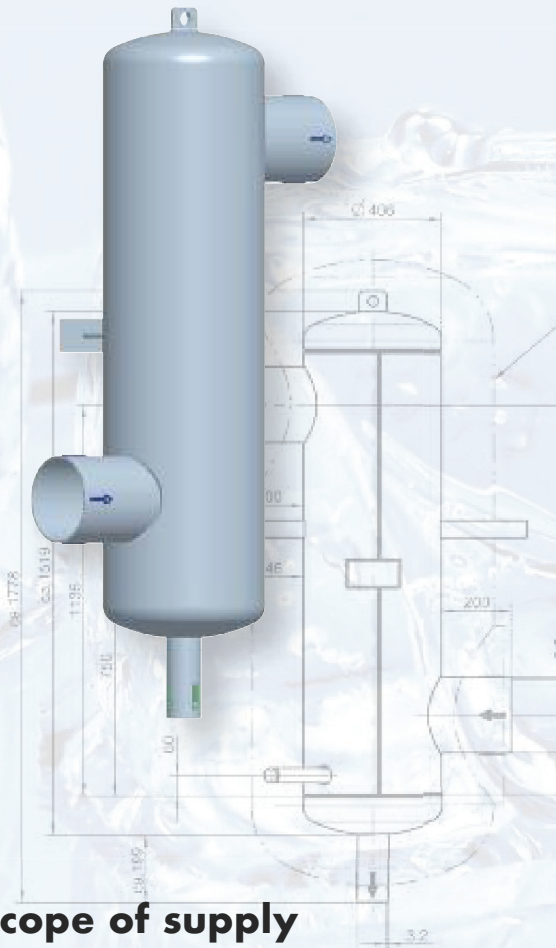
	capacity*	capacity**	diameter	height	connection	PN <sub>max</sub>	weight
	[kW]	[kW]	[mm]	[mm]	[DN]	[bar]	[kg]
<b>HAD 250</b>	650	320	250	1520	150	25	90
<b>HAD 400</b>	1400	690	400	1780	200	25	200
<b>HAD 550</b>	3000	1460	550	2140	250	25	320

\* Refrigerant: NH<sub>3</sub>, T<sub>0</sub> = -10°C, T<sub>c</sub> = +35°C \*\* Refrigerant: NH<sub>3</sub>, T<sub>0</sub> = -40°C, T<sub>c</sub> = +35°C

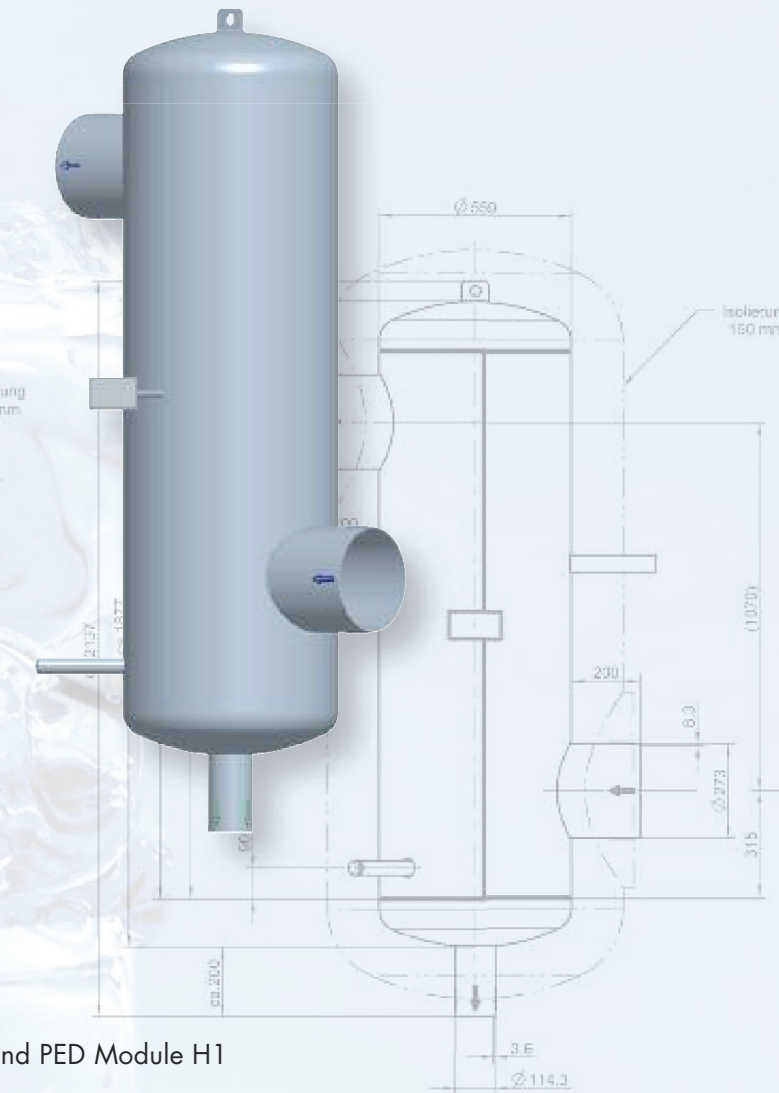
**HAD 250**



**HAD 400**

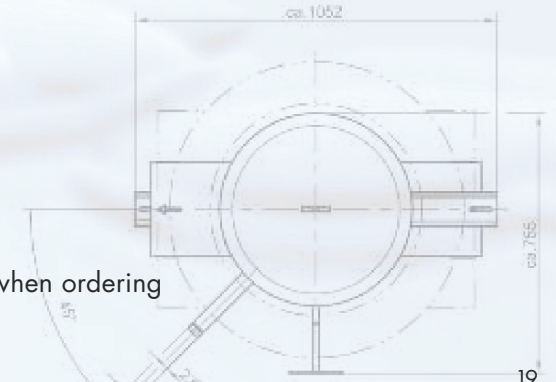
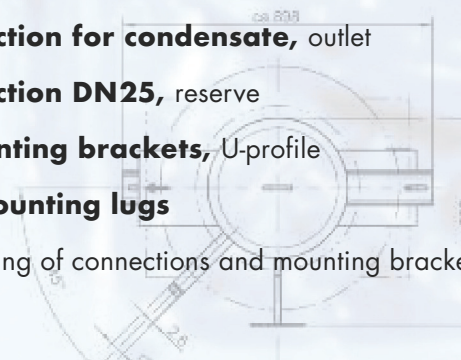
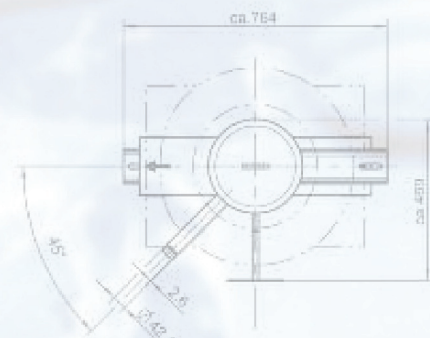


**HAD 550**



### Scope of supply

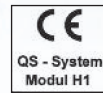
- **HAD-vessel in steel**, manufactured per AD2000 and PED Module H1
- **Connection for pump return line**, inlet
- **Connection for suction gas**, outlet
- **Connection for condensate**, outlet
- **Connection DN25**, reserve
- **2 mounting brackets**, U-profile
- **Top mounting lugs**
- Positioning of connections and mounting brackets can be selected when ordering





## 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
- **NH<sub>3</sub>/CO<sub>2</sub>** Cascades



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