





Condensate-Pre-Separator model KVE in a stainless steel housing

- For the continuous separation of gas/liquid mixtures
- Volume can be expanded using modular technology
- Water-Trap-Cartridge (optional) prevents condensate break-through
- Made in Germany  

Functional description:

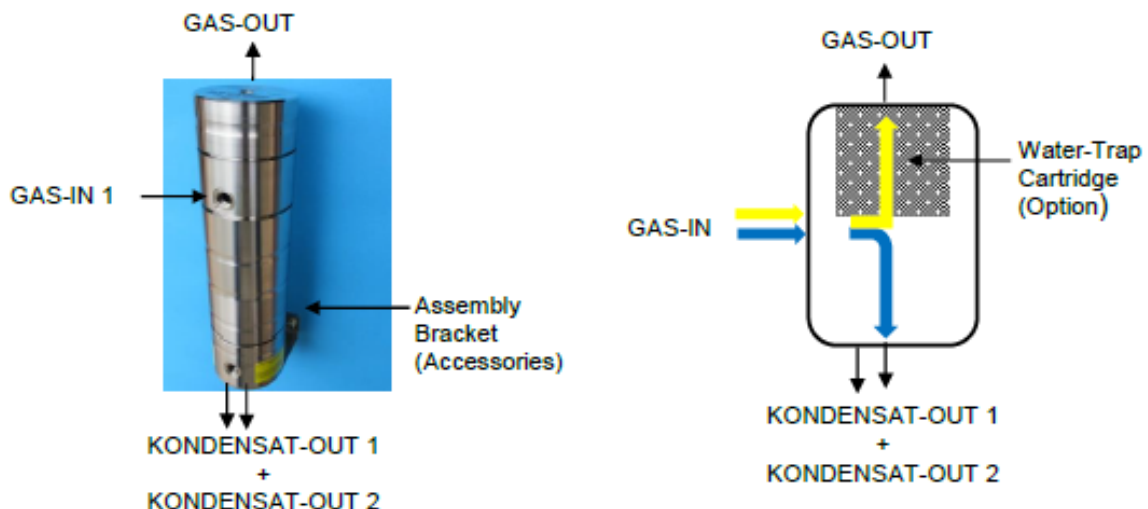
The KVE model condensate pre separator is designed for the continuous separation of gases and liquids. The measuring gas containing condensate is fed via 2 gas inputs (GAS-IN) into the condensate pre-filter unit. Centrifugal force is applied and the heavier condensate collects in the bottom of the container. The condensate output (CONDENSATE-OUT) can then be used to drain it off.

For large condensate quantities, the condensate output 2 (CONDENSATE 2) can also be used.

The lighter measuring gas, on the other hand, is supplied to the top of the container (GAS-OUT).

A Water-Trap-Cartridge (Option) may optionally be integrated. Its semi-permeable diaphragm prevents a condensate break-through. The diaphragm separates gases from water, weak acids and dust. The diaphragm is not suitable for use with aromatic hydrocarbons, e.g. oils and fuels in refinery process gases.

Schematic representation:



Technical specifications:

Scope of delivery:	Housing, Water-Trap Cartridge (option), wall assembly bracket (option)
Materials used:	Stainless steel, type 1.4301, FKM (O-ring)
Operating pressure:	0 – 12 bar
Gas flow:	0 – 10.000 l air/h
Pressure drop at 1.000 l air/h:	approx. 12 mbar
Pressure drop at 5.000 l air/h:	approx. 30 mbar
Operating temperature:	+ 5°C to +90°C
Volume:	750 ml
Housing dimensions:	Diameter 80 mm, length 300 mm
Gas connections:	GAS-IN 1/4" G - inside thread GAS-OUT 1/4" G - inside thread KONDENSAT-OUT 1 1/4" G - inside thread KONDENSAT-OUT 2 1/4" G - inside thread
Assembly:	Wall mounting with assembly bracket (option)
Language operating instructions:	German and English (included in the scope of delivery) Spanish, Italian, French, Russian upon request

Water-Trap Cartridge (option)

Water pressure membrane:	0 - 1 bar
Effective filter area:	550 cm ²
Diaphragm pore size:	< 0.1 µm
Materials used:	PTFE, PP, SUN-C coating
Note:	The Water-Trap Cartridge is <u>not</u> suitable for use with aromatic hydrocarbons, e.g. oils and fuels in refinery process gases

Prices and order numbers:

Item	Item number	
Condensate pre separator, model KVE, material stainless steel, in accordance with technical specifications	KVE	
Condensate pre separator, model KVEKAWT, material stainless steel, in accordance with technical specifications. With integrated Water-Trap-Cartridge	KVEKAWT	
Accessories:		
1 stainless steel bracket for wall mounting	MONWIWT2048	
Spare parts:		
Water-Trap-Cartridge	KAWT2048	
1 O-ring FKM	OR2048FKM	