

## Combined evaporator KV.1 (500 W)

The ChemTherm Combined Evaporator provides pulsation-free vapor dosing into a carrier gas with fast response to load changes. Evaporation in the patented low volume evaporation tubes prevents the formation of large gas bubbles and ensures controlled and uniform evaporation. The evaporator can be conveniently disassembled by the customer for complete cleaning.

The Combined Evaporator can be operated as a Total Evaporator (without carrier gas) or for evaporation into a carrier gas without any adjustments.

## Technical specifications

### Technical data:

- Operating range: 0 – 500 g/h (water)
- Liquid media: H<sub>2</sub>O, methanol, ethanol, NH<sub>3</sub>, isooctane, SiCl<sub>4</sub>, ...
- Carrier gas volume: 0 - 100 l<sub>n</sub>/min (air)
- Carrier gases: air, N<sub>2</sub>, H<sub>2</sub>, CO<sub>2</sub>, CH<sub>4</sub>, ...
- Temperature: max. 400 °C
- Material (parts in contact with media): 1.4571 (coating available)
- Process connections: M5 with fitting on request, e.g. fitting (Swagelok) 6 mm
- Maximum pressure: 20 bar or 100 bar (high pressure version), incl. pressure test
- Seals: FKM, FFKM, metallic
- Installation position arbitrary
- Compact design, can be completely disassembled for cleaning
- Dimensions: approx. 165 mm x Ø35.5 mm

### Electrical properties

- Power supply: 230 VAC
- Power consumption: 500 W

### Scope of delivery:

- Connection cable for heater and temperature sensor
- Marking in accordance with Pressure Equipment Directive
- Manufacturer's certificate and documentation
- The evaporator is checked for functionality and fault tolerances before delivery
- Additional equipment, e.g., control units, dosing units, and other items can be provided upon request.

### Contact us:



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