

VTA



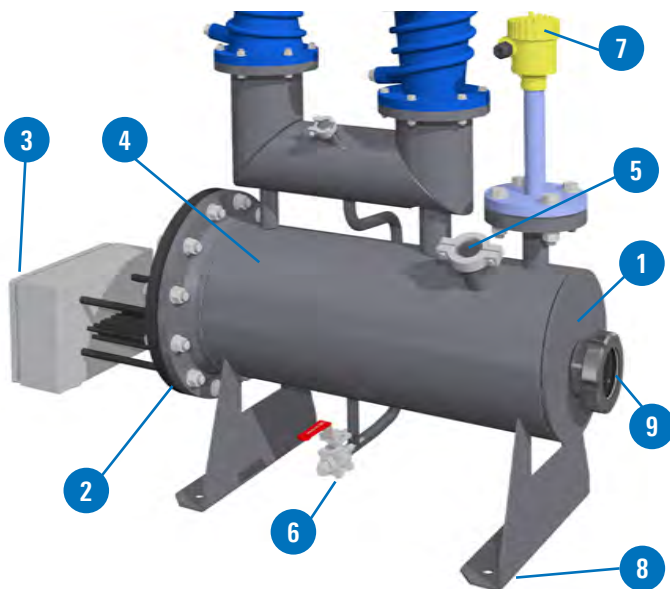
**V-BOOST
VACUUM PUMP
B100-U**



Advantages of V-Boost

- 1: Full stainless steel boiler
- 2: Easy-accessible boiler for cleaning
- 3: Cartridge-type heating elements, easily removable
- 4: Boiler easily isolatable to minimise heat losses
- 5: Easy refilling
- 6: Full drainability at the lowest position of the boiler
- 7: Low level switch in boiler vessel
- 8: Accurate bracket support
- 9: Sight glass to enable inspection of boiler and booster fluid

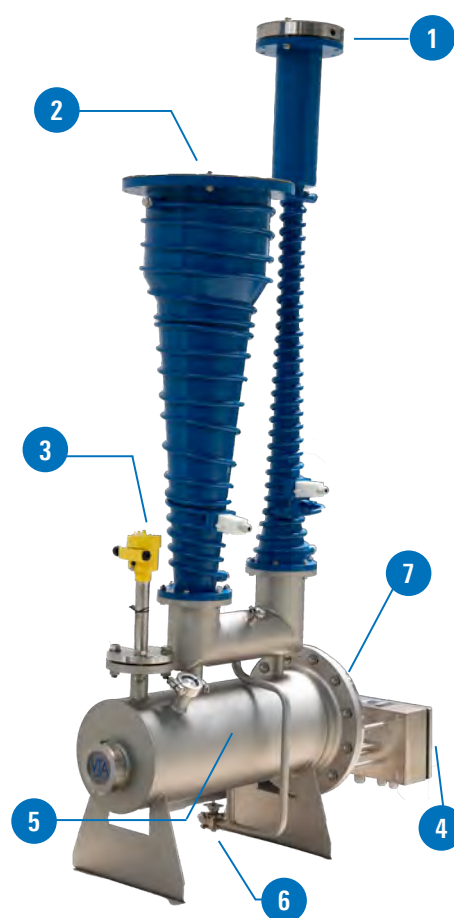
ATEX version available! Compact design!





Technical Data

Design temperature	-10 / 250 °C
Design pressure	-1 / +0.5 bar (process side)
Operating fluid	Suitable for the process
Filling volume	Min. 8 l – max. 16 l
Cooling system requirements	Max. 35 °C supply – 500 l/h Cooling water or water/glycol
Nominal pumping speed	15.000 m³/h
Ultimate pressure	2E-5 mbara depending on operating fluid
Pre vacuum pressure required	≤ 2 mbara
Recommended pre vacuum capacity	200 m³/h
Typical boiler operation temperature	170 ... 200 °C
Empty weight	170 kg
Suction side flange	DN 320
Pressure side flange	DN 160
Heating power	Max. 6 kW
IP protection	IP 55
Level switch low	Vibrating level switch
Temperature sensor	Pt100
Temperature switch high	Safety temperature limiter



- 1: Pressure side
- 2: Suction side
- 3: Level switch
- 4: Cartridge heater flange
- 5: Boiler
- 6: Drain
- 7: Main boiler flange for easy access



VTA Verfahrenstechnische Anlagen GmbH & Co. KG

VTA is your partner for demanding process solutions of high-end thermal separation tasks and supplies small, standardized laboratory units up to tailor-made, skid-mounted industrial size facilities. Testing, engineering and manufacturing is managed inhouse at the headquarters in Germany. As a service, VTA offers contract distillation and pastillation on a toll processing plant. With VTA products and services a successful production in various industrial sectors is guaranteed.

Core competencies

- Thin Film / Wiped Film Distillation
- Short Path Distillation
- Horizontal Thin Film Distillation
- Thin Film Drying
- Fractionation
- Glass Lined Evaporators
- Laboratory Units
- Pilot Units

Available as retro-fit model
for existing installations

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