



Data sheet

Mobile vapor combustion unit
VCU E-5VT, Capacity: 5 MW

OUR MOBILE VAPOR COMBUSTION UNIT WITH A THERMAL CAPACITY AS A TRAILER IS IDEALLY SUITED FOR SHORT- AND MIDDLE-TERM PROJECTS.

- Tanks/containers of all kinds (cryo/pressure/underground)
- Tanks, mobile tanks & suction vehicles
- Back-up of VRUs/VPS (street/rail/ship)
- Loading and unloading (street/rail/ship)
- Pipelines
- Mine gas

CATEGORY	DESCRIPTION
Combustion power	5 MW
Emission reduction	> 99.9%
Volume flow (min. – max.)	0 m³/h – 3,000 m³/h
Inlet pressure (min. – max.)	4 mbar – 150 mbar (0.06 psi – 2.18 psi)
Gas temperature (min. – max.)	-20 °C – 80 °C (-4 °F – 176 °F)
Nominal connection width	DN150 PN10 (EN 1092-1) ~ 6" CL150 Slip-on (ASME B16.5)
Weight	25 tonnes – 30 tonnes
Certifications	CE, TÜV Süd
European patents	EP 2241 806 B1: Degassing of additional equipment/containers (mobile tanks, vacuum trucks) EP 2811229: Trailer-mounted unit

POLLUTANT COMBUSTION
All Zone 0 gases within pipe network
VOCs, BTEX, $C_xH_yO_z$ with $x = 1 - n$
Ammonia, $H_2S < 300$ ppm, further HAP (on request)
Cryogenic gases
Flammable and non-flammable gases and compounds
Compensation of fluctuations in composition and volume flow for vapors

SAFETY EQUIPMENT
External signalling (emergency stop chain)
Controlled combustion
Automatic switch-off in the event of under-/over-pressure of the process gas
Flame and detonation protection
Control of combustion temperature
Protection against flashback

OPERATION FROM TRAILER

FLEXIBLE AND USAGE IN VARIOUS WAYS

EASILY EXTENDABLE AND COMBINEABLE WITH FURTHER ETS UNITS

FURTHER INDIVIDUAL SOLUTIONS POSSIBLE

Six locations in four countries & numerous projects in Europe

ETS Degassing GmbH Amelinghausen (Germany, Austria, Switzerland)
ETS Degassing GmbH Pförring (Germany, Austria, Switzerland)
ETS Degassing GmbH Port of Duisburg
ETS Degassing B.V. Stellendam (Belgium, Netherlands, Luxembourg)
ETS Degassing SARL Saint-Priest (France, Spain, Italy, Northern Africa)
ETS Degassing Arabia Jubail (Bahrain, Kuwait, Oman, Qatar, Saudi Arabia, United Arab Emirates)



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MOBILE EMISSION TREATMENT

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WE ARE PASSIONATE ABOUT SUSTAINABLE SOLUTIONS.

