

**Dry-Type Vaporizer** FAS 2000 model, indirectly electrically heated, stainless steel housing, DIN 30696, suitable for LPG use in hazardous areas, Zone 2, according to PED 97/23/EC with CE-marking

The FAS 2000 dry-type vaporizers are completely maintenance-free and require no heat transfer fluid.

An aluminium core is used as the heat transfer medium, in which the heating equipment and vaporizer system are cast. Using a thermostat, the heat transfer medium is heated and supervised within the limits. Once the required vaporizer temperature has been reached, the solenoid valve opens. Liquid gas enters the vaporizer where it is converted to vapour without any fluctuations in pressure until the specified rated capacity has been reached. Its modern design means that fluctuations in vapour flow are detected immediately and the required heating capacity is adjusted quickly to suit the new operation parameters. In case of power failure or overload, the solenoid valve close. An additional safety limit switch monitors the outlet temperature of the vapour and prevents it from exceeding a given limit.

The design and construction of the vaporizer guarantee safe and fully automatic operation even in hazardous areas, Zone 2.

Order No.	Capacity
20 554	32 kg/hr
20 555	60 kg/hr
20 556	100 kg/hr
20 640	170 kg/hr

**Vaporizer unit includes:**

**Vaporizer Housing** in stainless steel construction with internal aluminium core, internal insulation, with cover and bracketry for securing to wall

**Heating Equipment** in the form of a tubular heating element cast together with **Vaporizer System**, pressure-bearing component made of seamless precision steel piping

**Relief Valve** in vapour phase

**Heat and Temperature Control System** fully automatically, thermostatically controlled within limits specified by DIN 30696

**Anti-Flood/Low Pressure Protection** consisting of 2 thermostatically controlled solenoid valve in LPG inlet

**Overheating Protection** with safety power switch-off

**Electrical Components**

in accordance with VDE 0165 (DIN 57 165) for hazardous areas, Zone 2.

**Power Supply:**

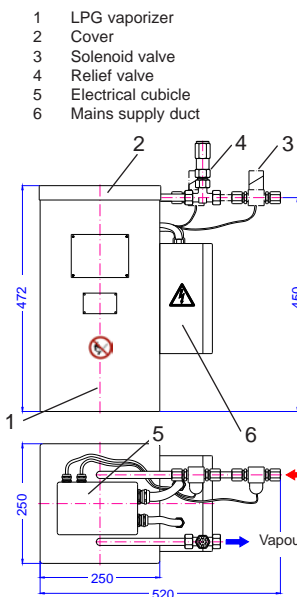
three-phase current 400V/50 Hz, completely wired and ready for installation



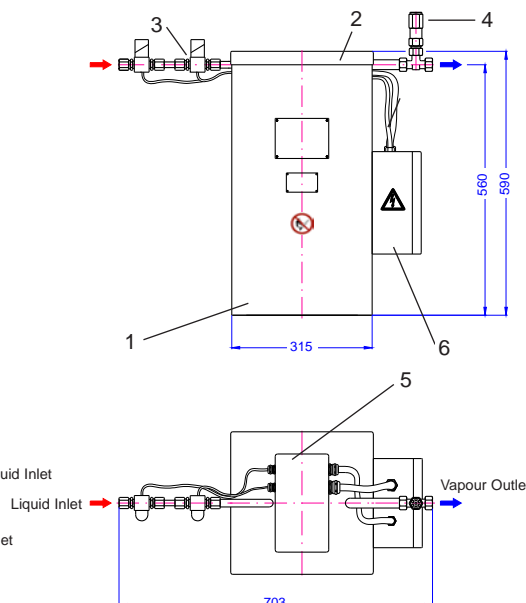
**Spare Parts:**

Order No.	Execution
15 902	Safety relief valve, PN 63, 1/2" NPT male, setting pressure 25 bar, with TÜV-certificate, without weep hole, with type approval
20 441	Thermostat, make contact at 55°C
20 442	Thermostat, make contact at 75°C
20 443	Temperature limiter, break contact at 100° C
20 554	Solenoid valve, PN 25, operating pressure 0,2 to 16 bar, 230 V, 50 Hz, both sides 15 mm cutting ring union

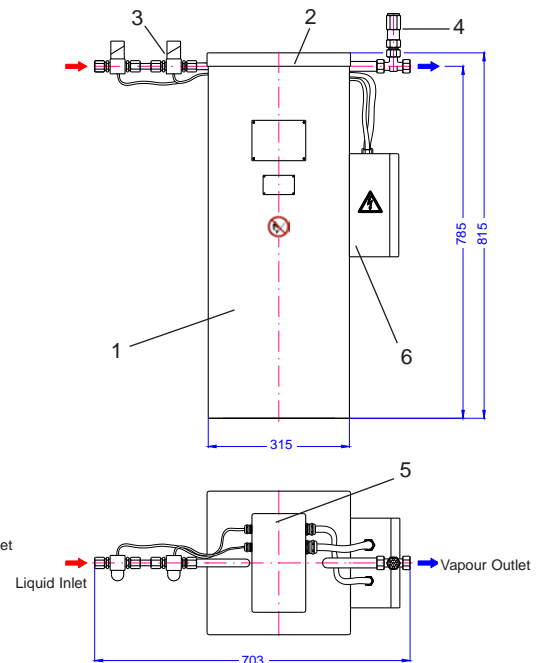
Protective roof necessary for outdoor installation.  
Subject to technical changes.



FAS-No. 20 554



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