Specyfikacja techniczna wymiennika.

APROVIS Wymiennik Spaliny-Woda COŚ ob.19

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APROVIS Energy Systems GmbH Ornbauer Str. 10 91746 Weidenbach - Germany

Pos.1 1 pc EXHAUST GAS HEAT EXCHANGER N-28-450-2400-1H-1CC-PS

thermal output 467 kW

thermal output (clean) 478 kW

TUBE SIDE

medium exhaust gas (natural gas)

flow rate (wet) 5116 kg/hr

inlet temperature 467 °C

outlet temperature 180 °C

max. operating temperature 550 °C

max. operating pressure 0.1 barg

pressure drop 11 mbar

inlet connection 350/10 radial DN/PN

outlet connection 350/10 radial DN/PN

SHELL SIDE

medium water

flow rate 51.8 m³/hr

min. flow rate 22.3 m³/hr

inlet temperature 82.0 °C

outlet temperature 90.0 °C

max. operating temperature 110 °C

max. operating pressure 6 barg

pressure drop 100 mbar

inlet connection 100/16 DN/PN

outlet connection 100/16 DN/PN

capacity +/- 200 ltr.

MATERIAL

tubes 316Ti or 316L

tube plates 316Ti or 316L

baffles stainless steel

shell stainless steel

exhaust gas inlet chamber 316Ti or 316L

exhaust gas outlet chamber 316Ti or 316L

gaskets isoTHERM ST

DIMENSIONS etc.

total length +/- 3600 mm

shell diameter +/- Ø 457 mm

weight (empty) +/- 450 kg

official acceptance PED 2014/68/EU in accordance with AD2000-

rules and factory pressure test

surface treatment priming coat

Design example