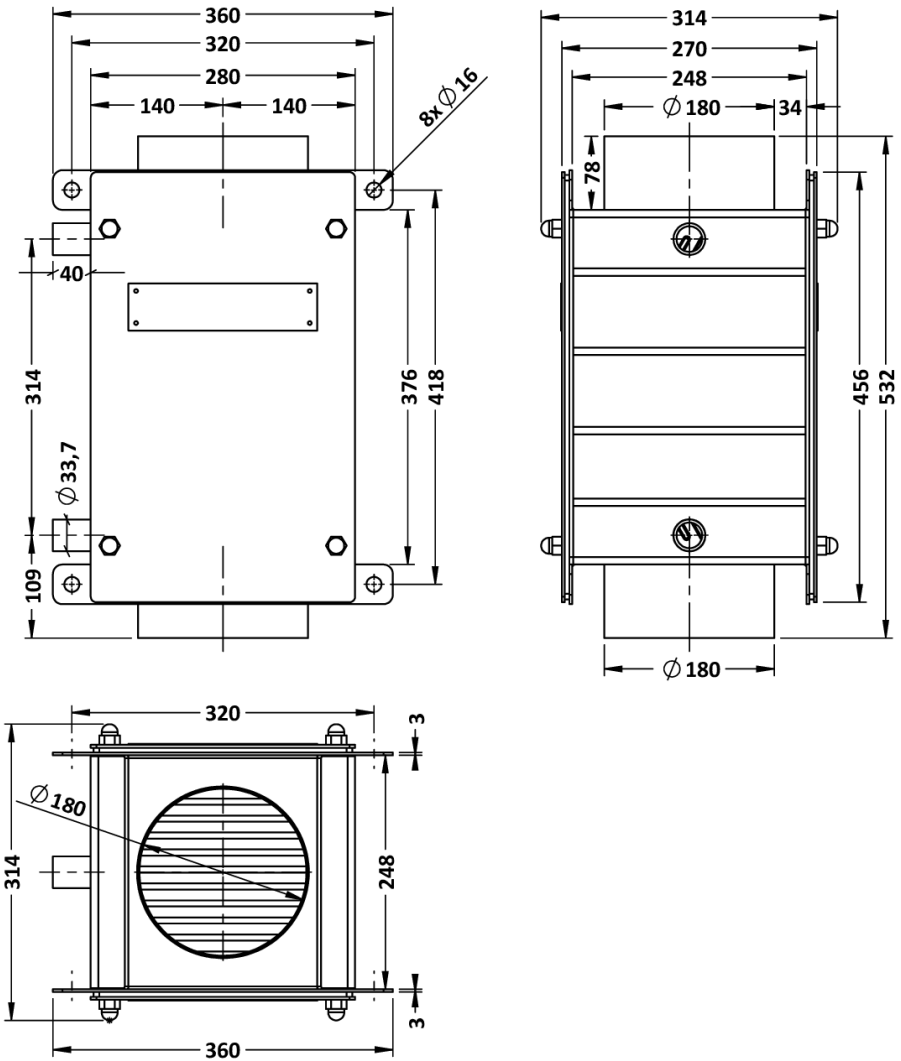
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FERCHER flue gas heatexchanger type **FW-100-10** - Datasheet

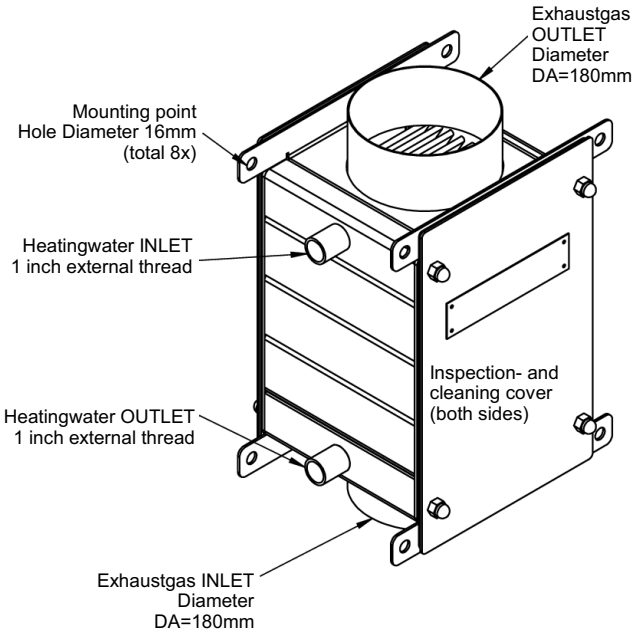


General	
Model-name / Type:	**FW-100-10**
Construction-Type:	**Fully welded**
Material:	**AISI 316Ti AISI 316L**
External Dimensions	
Length:	**360 mm**
Width:	**314 mm**
Height:	**532 mm**
Weights	
Empty weight:	**43 kg**
Internal-Volume:	**8 L**
Operating-Weight:	**51 kg**

Flue gas	
Maximum-Flowrate:	**1 500 m³/h**
Max. allowed temperature:	**500 °C**
Max. allowed pressure:	**3 000 Pa (30 mbar)**
Flue gas-Inlet:	**pipe D=180**
Flue gas-Outlet:	**pipe D=180**
Heating-Water	
Nominal-Flowrate:	**0,5 L/s**
Max. allowed temperature:	**110,0 °C**
Max. allowed pressure:	**10 bar**
Heating-Water inlet (DIN2633):	**1 inch external thread**
Heating-Water outlet (DIN2633):	**1 inch external thread**

Cleaning: Manual cleaning (for instance with brush/pressure-cleaner/steam) is possible without disassembling the heatexchanger, just take off the panels (exhaust-gas flow must be off).

Exhaustgas-Connections: Included: 2 pcs. loose counter-flanges (for exhaustgas-connection) and 2 pcs. exhaustgas-flange-gaskets. Above mentioned weights include the weight for these counter-flanges and gaskets.

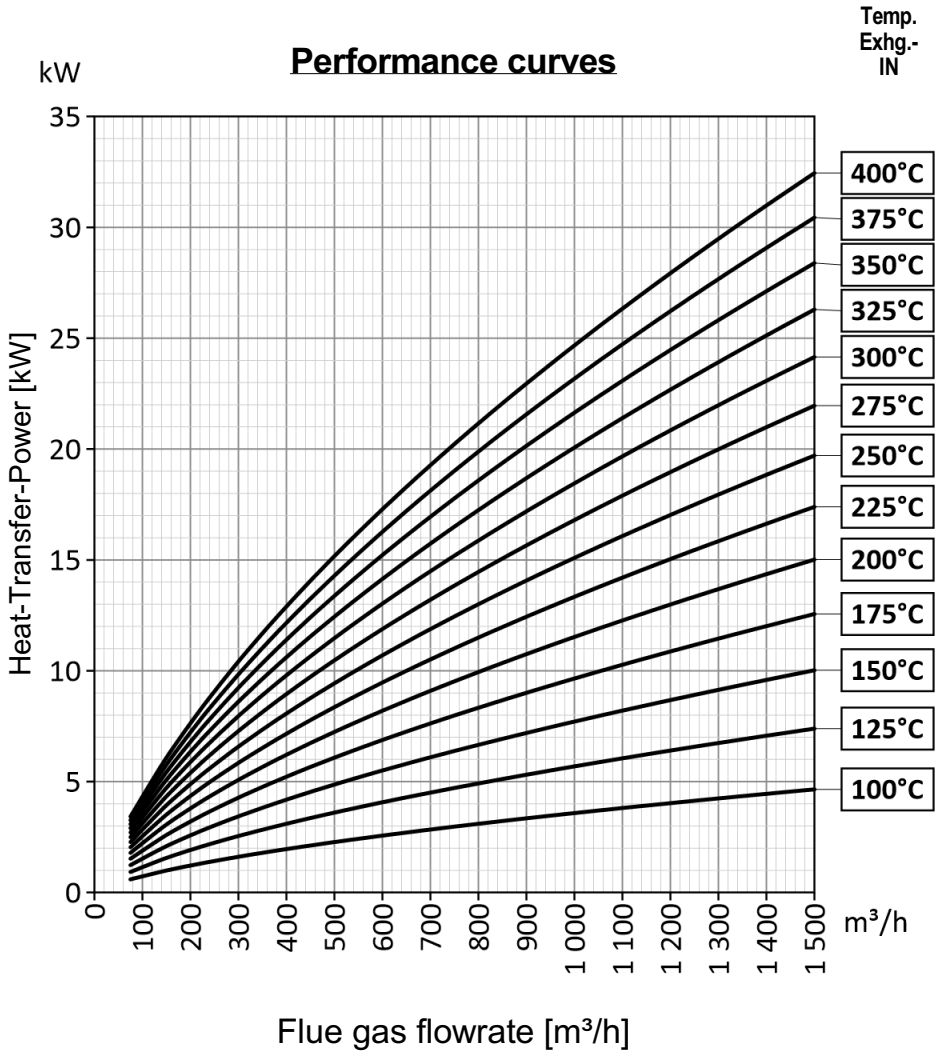


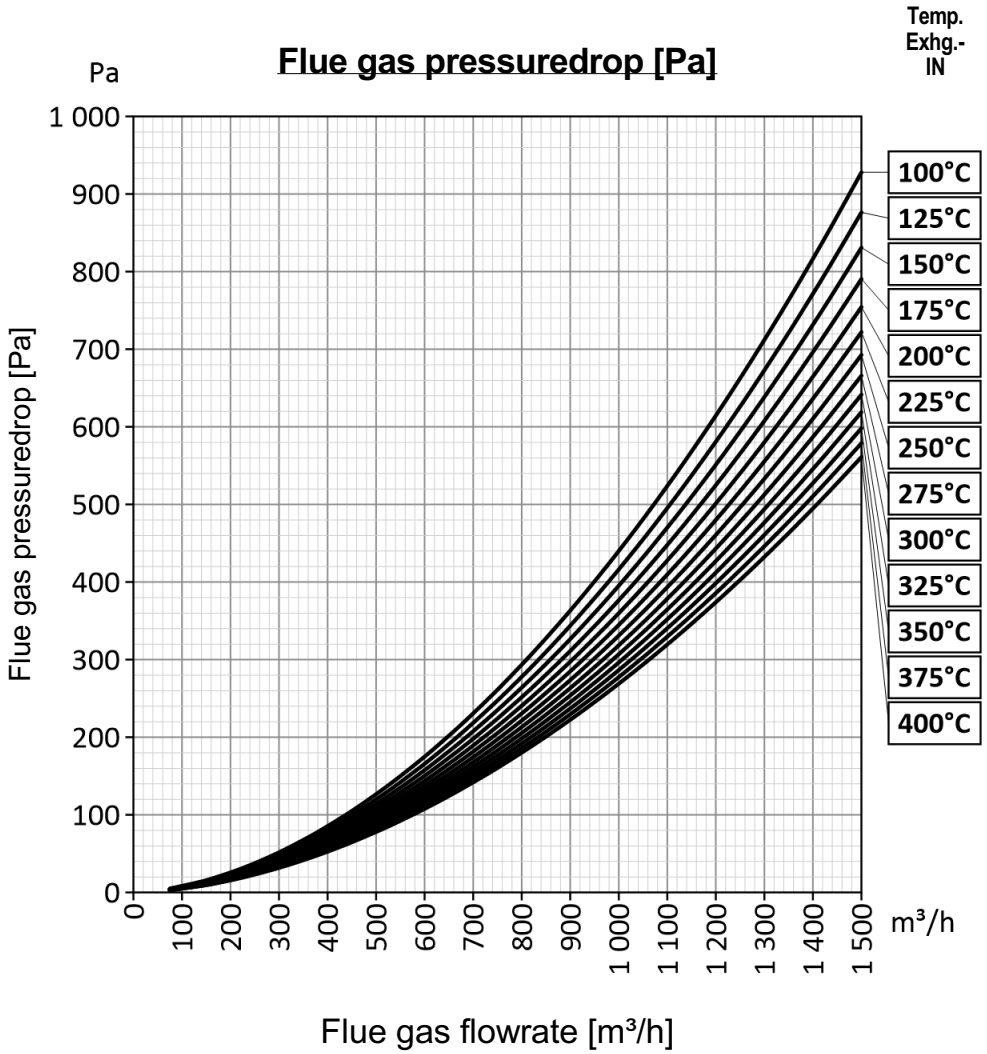
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FERCHER flue gas heatexchanger type **FW-100-10** - Characteristic curves

Following characteristics are valid for the following operation (Exhaustgas from Gas/Oil-Burner) , Heatingwater-Temperature-IN: **60 °C**, Volume-Flow: **0,5 L/s (=1,8 m³/h)**
Heatingwater pressuredrop at 0,5 L/s Volume-Flow: 0,1 bar
Flue gas flowrates are real volume flow rates, reference temperature is flue gas IN temperature

*For special/individual calculations please contact us at **office@fercher.at**. We gladly help you with choosing the correct heatexchanger and with calculations.*





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