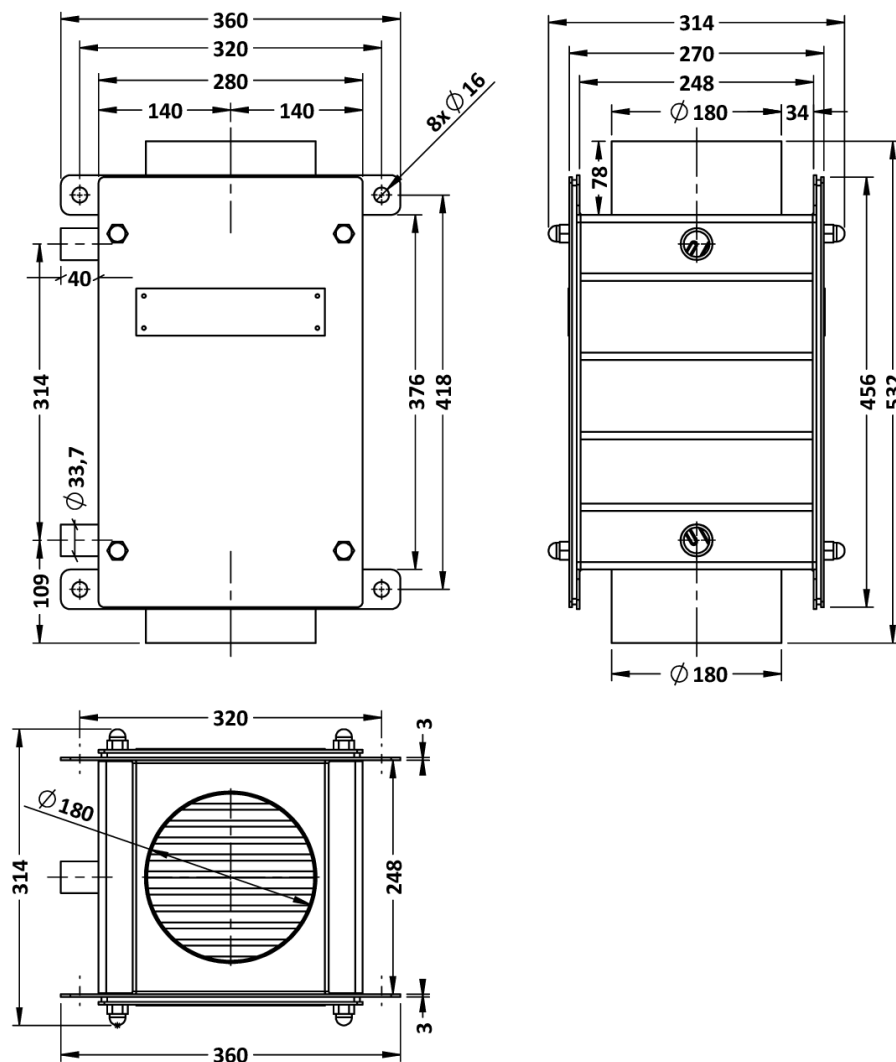


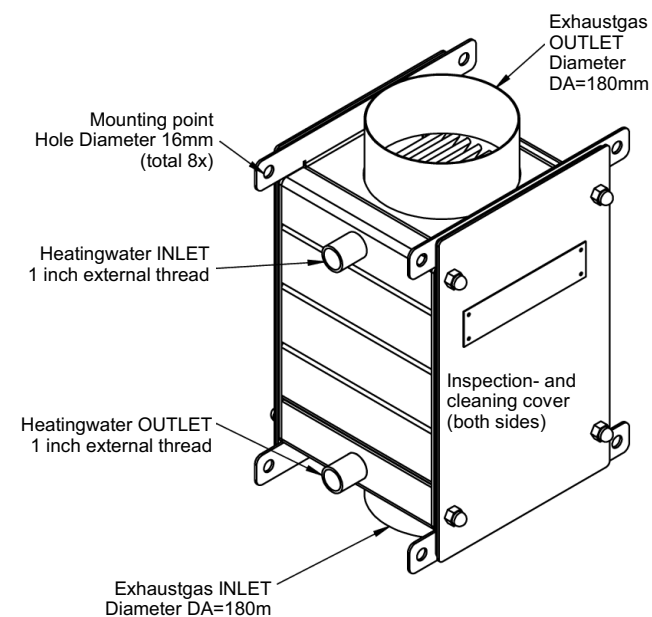
FERCHER flue gas heatexchanger type **FW-100** - Datasheet



General		Flue gas	
Model-name / Type:	FW-100	Maximum-Flowrate:	1 500 m³/h
Construction-Type:	Fully welded	Max. allowed temperature:	500 °C
Material:	AISI 316Ti AISI 316L	Max. allowed pressure:	3 000 Pa (30 mBar)
External Dimensions		Flue gas-Inlet:	pipe D=180
Length:	360 mm	Flue gas-Outlet:	pipe D=180
Width:	314 mm	Heating-Water	
Height:	532 mm	Nominal-Flowrate:	0,5 L/s
Weights		Max. allowed temperature:	110,0 °C
Empty weight:	43 kg	Max. allowed pressure:	6 bar
Internal-Volume:	8 L	Heating-Water inlet (DIN2633):	1 inch external thread
Operating-Weight:	51 kg	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: available exhaustgas-pipe-dimensions: 200 mm, 180mm, 150 mm, 125 mm





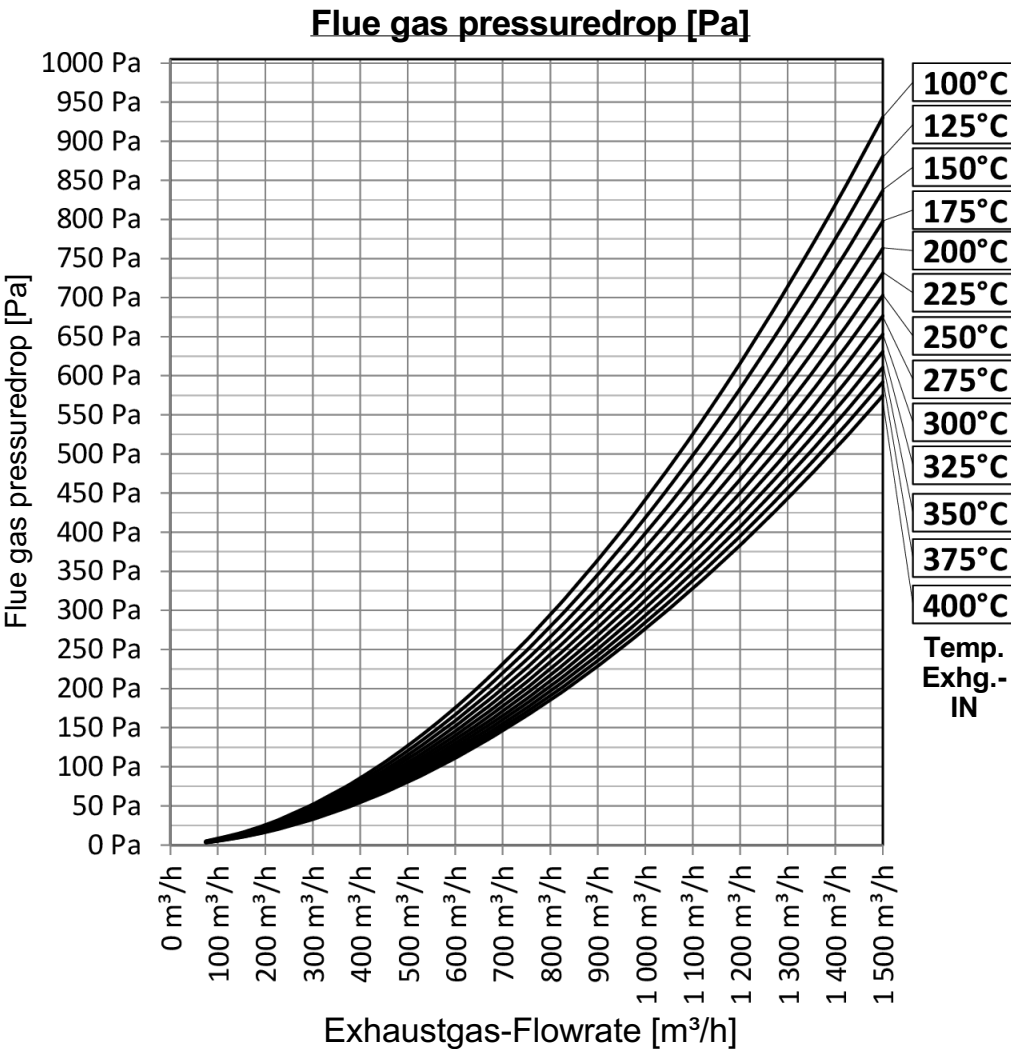
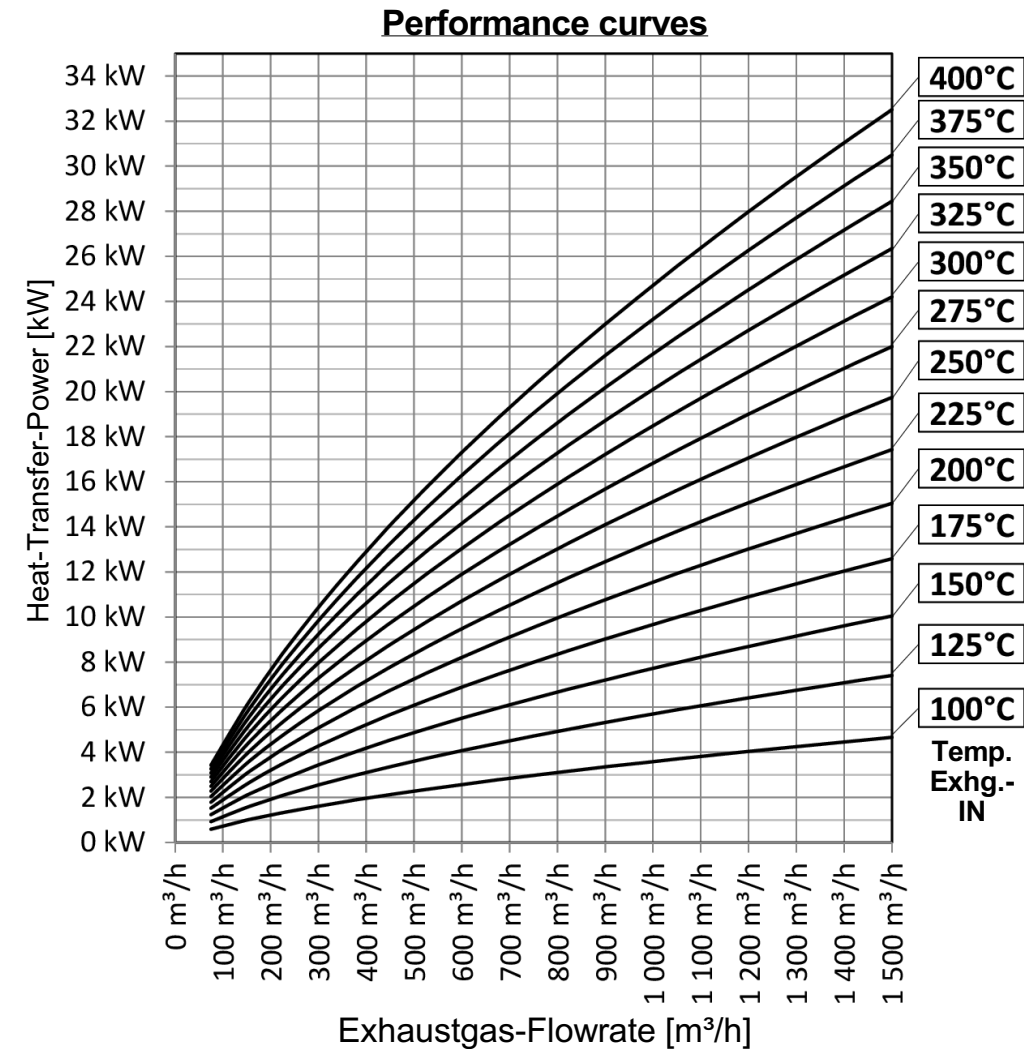
FERCHER flue gas heatexchanger type FW-100 - Characteristic curves

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)

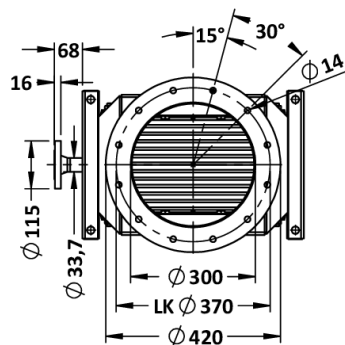
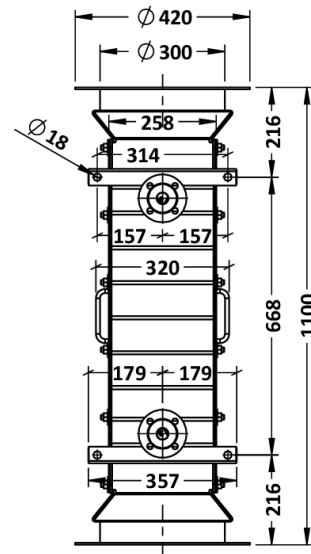
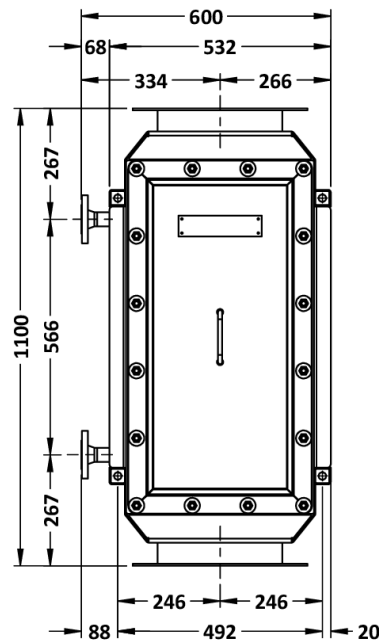
Heatingwater pressuredrop at 0,5 L/s Volume-Flow: 0,1 bar

Exhaust-gas flowrates are real volume flow rates, reference temperature is exhaust-gas IN temperature

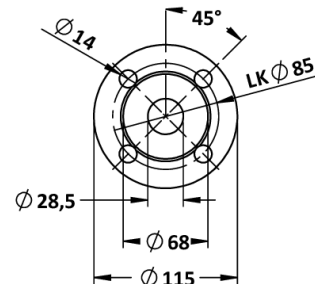
For special/individual calculations please contact us at office@fercher.at. We gladly help you with choosing the correct heatexchanger and with calculations.



FERCHER flue gas heatexchanger type **FW-200** - Datasheet



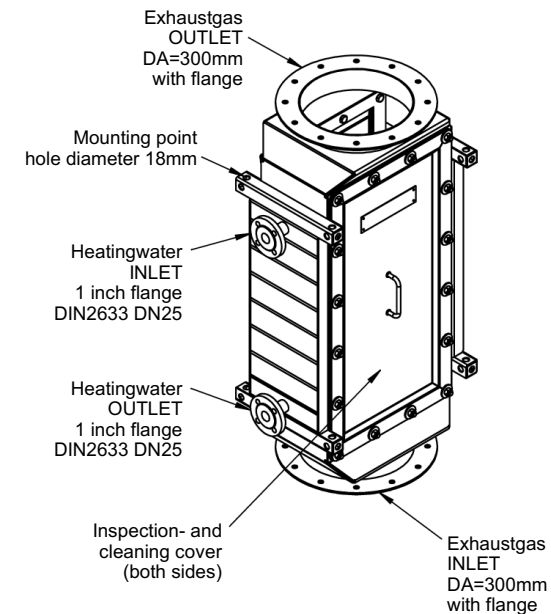
**Detail: 1 Zoll Flansch
(DIN2633 DN25)**



General		Flue gas	
Model-name / Type:	FW-200	Maximum-Flowrate:	2 500 m³/h
Construction-Type:	Fully welded	Max. allowed temperature:	500 °C
Material:	AISI 316Ti AISI 316L	Max. allowed pressure:	3 000 Pa (30 mBar)
External Dimensions		Flue gas-Inlet:	flange DN300
Length:	600 mm	Flue gas-Outlet:	flange DN300
Width:	420 mm	Heating-Water	
Height:	1 100 mm	Nominal-Flowrate:	0,5 L/s
Weights		Max. allowed temperature:	110,0 °C
Empty weight:	146 kg	Max. allowed pressure:	6 bar
Internal-Volume:	18 L	Heating-Water inlet (DIN2633):	1 inch flange
Operating-Weight:	164 kg	Heating-Water outlet (DIN2633):	1 inch flange

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.





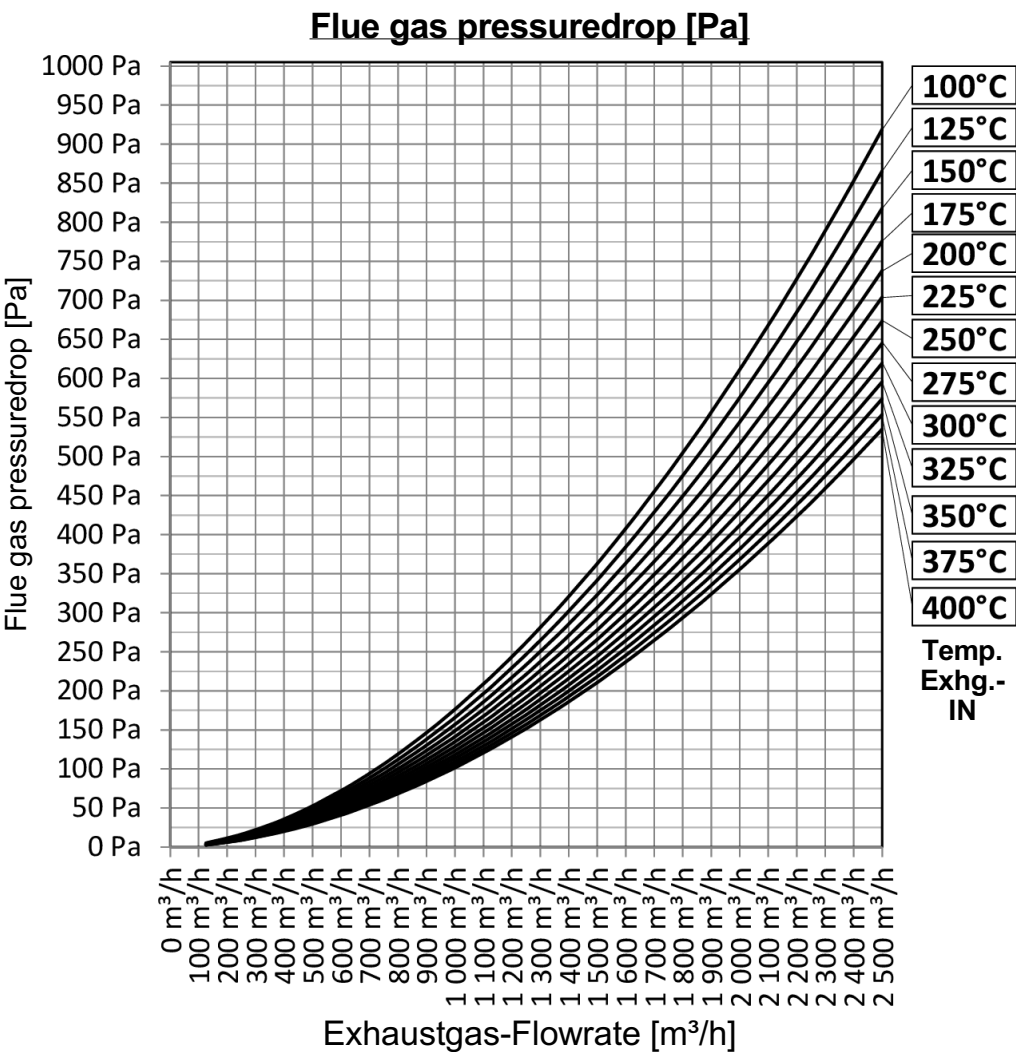
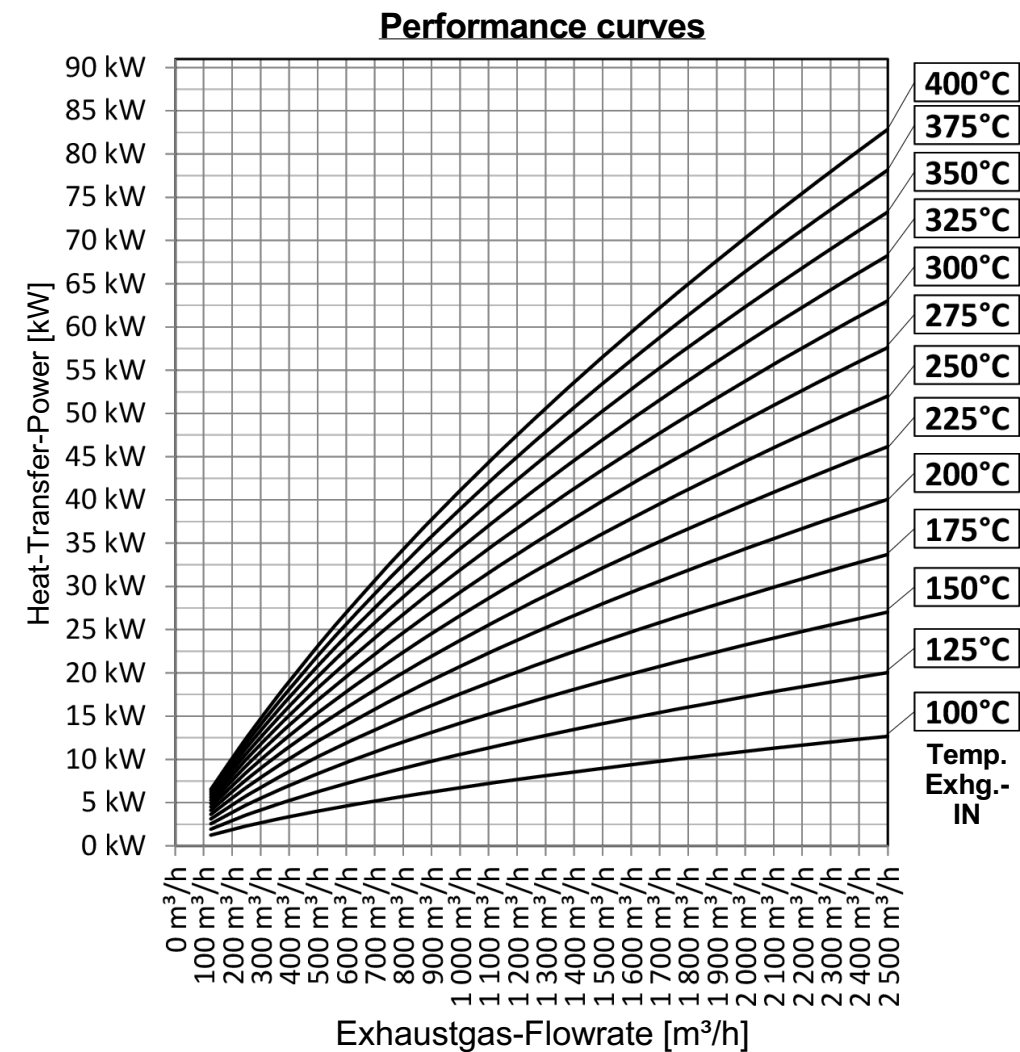
FERCHER flue gas heatexchanger type **FW-200** - Characteristic curves

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)

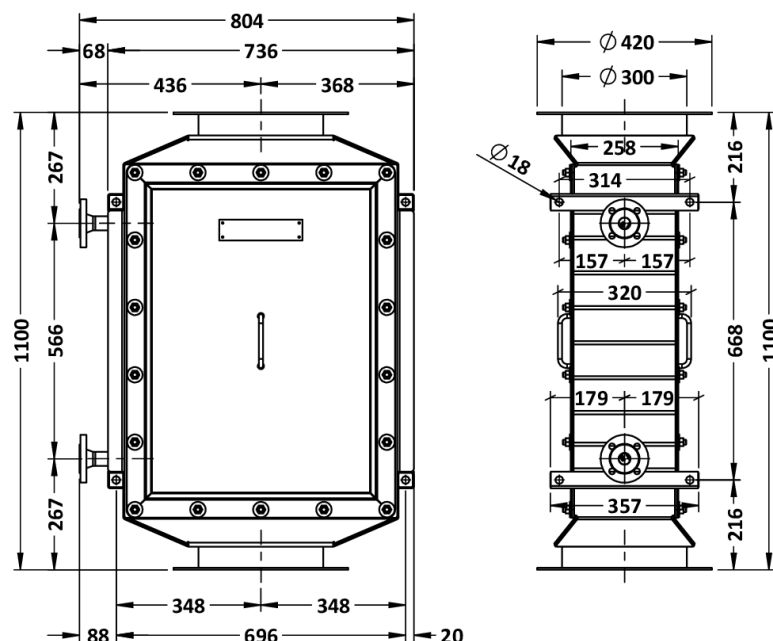
Heatingwater pressuredrop at 0,5 L/s Volume-Flow: 0,1 bar

Exhaust-gas flowrates are real volume flow rates, reference temperature is exhaust-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.



FERCHER flue gas heatexchanger type **FW-300** - Datasheet

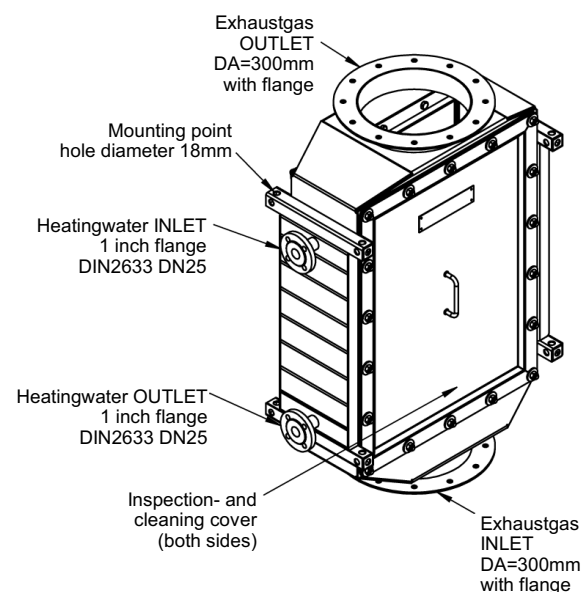


**Detail: 1 Zoll Flansch
(DIN2633 DN25)**

General		Flue gas	
Model-name / Type:	FW-300	Maximum-Flowrate:	3 500 m³/h
Construction-Type:	Fully welded	Max. allowed temperature:	500 °C
Material:	AISI 316Ti AISI 316L	Max. allowed pressure:	3 000 Pa (30 mBar)
External Dimensions		Flue gas-Inlet:	flange DN300
Length:	804 mm	Flue gas-Outlet:	flange DN300
Width:	420 mm	Heating-Water	
Height:	1 100 mm	Nominal-Flowrate:	0,8 L/s
Weights		Max. allowed temperature:	110,0 °C
Empty weight:	185 kg	Max. allowed pressure:	6 bar
Internal-Volume:	22 L	Heating-Water inlet (DIN2633):	1 inch flange
Operating-Weight:	206 kg	Heating-Water outlet (DIN2633):	1 inch flange

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.





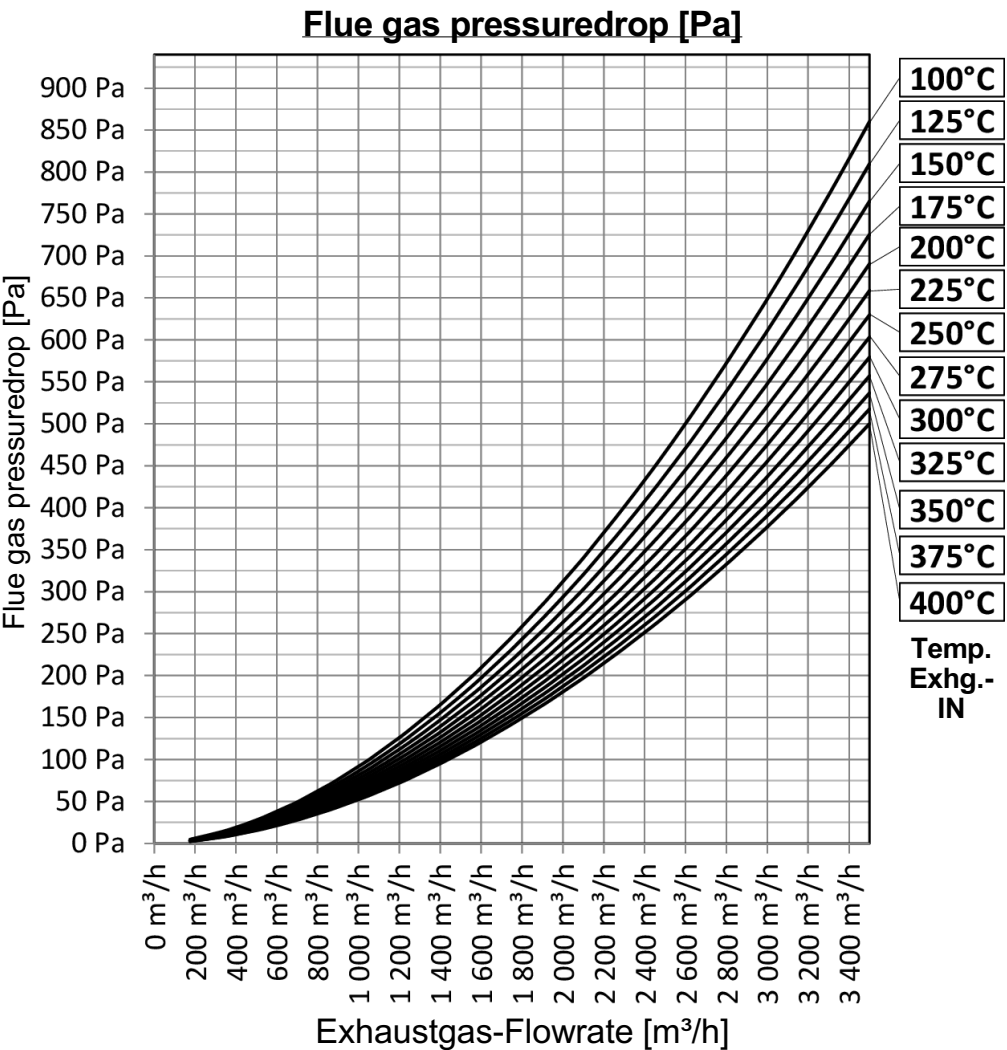
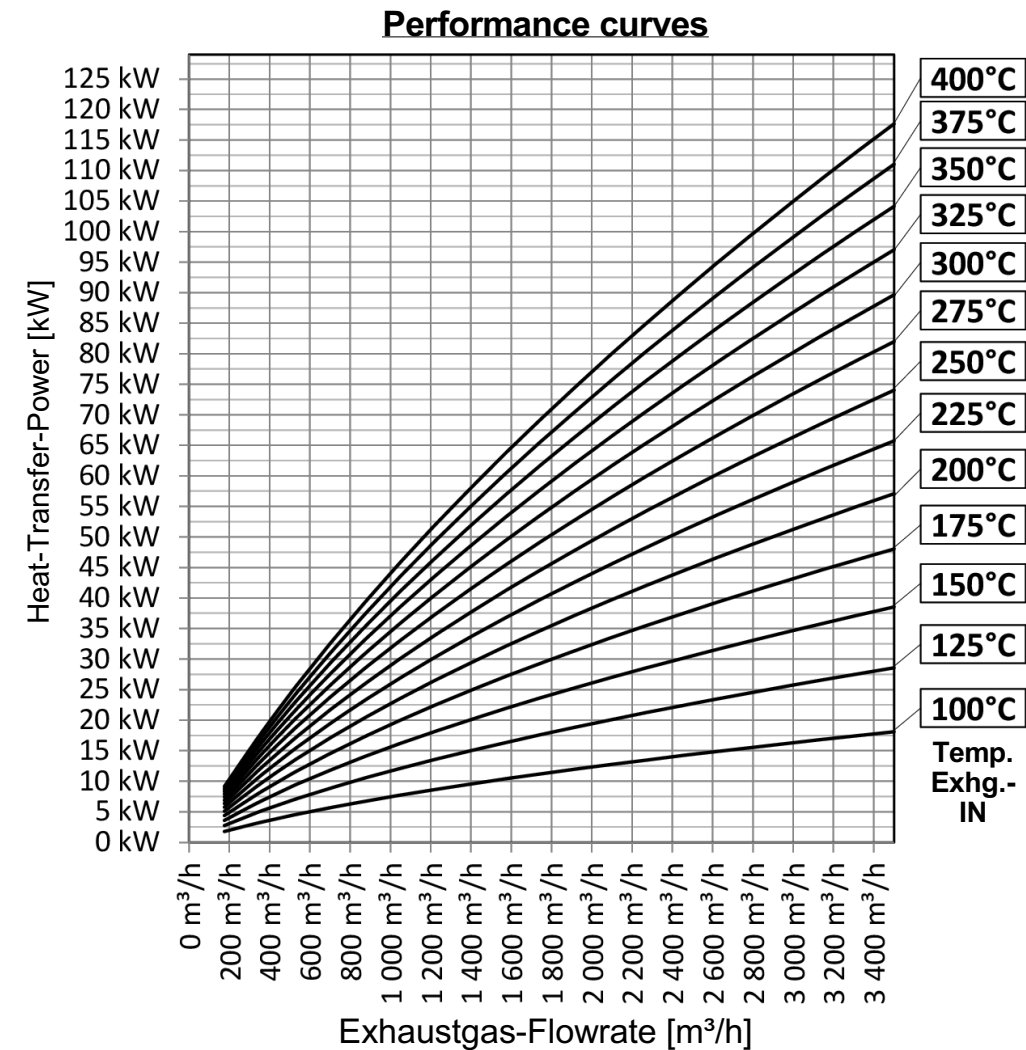
FERCHER flue gas heatexchanger type FW-300 - Characteristic curves

Following characteristics are valid for the following operation (Exhaustgas from Gas/Oil-Burner) , Heatingwater-Temperature-IN: 60 °C, Volume-Flow: 0,8 L/s (=2,7 m³/h)

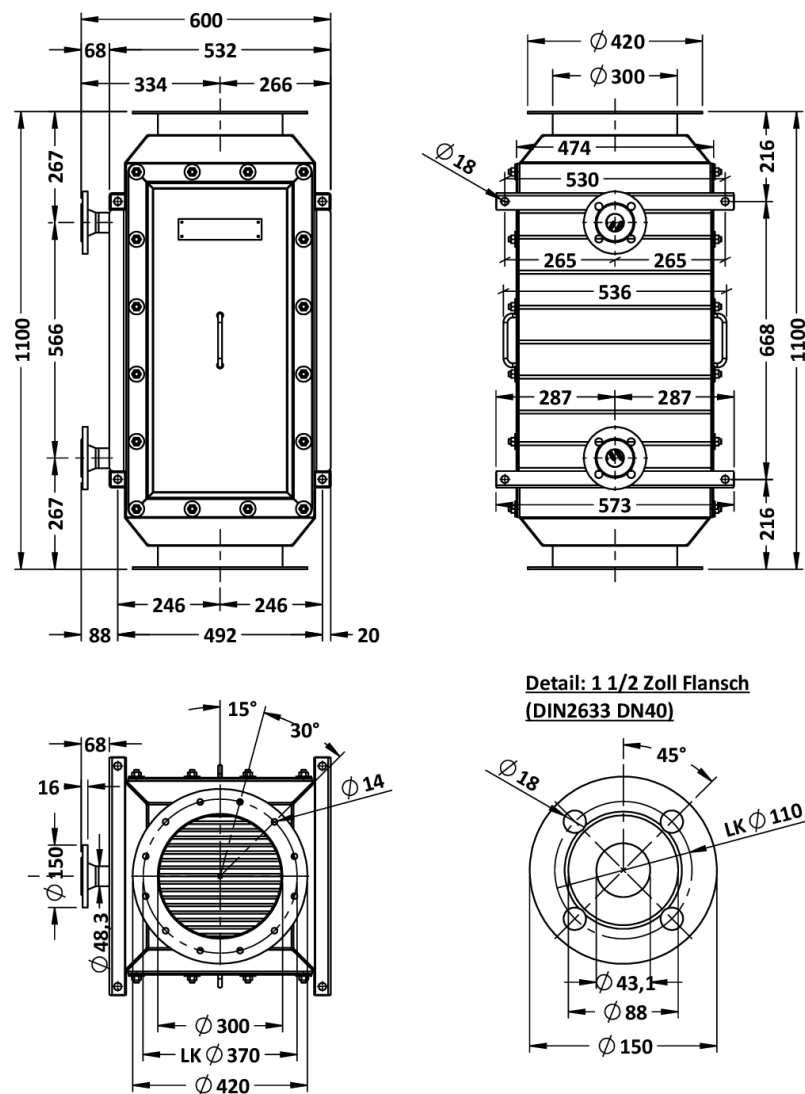
Heatingwater pressuredrop at 0,8 L/s Volume-Flow: 0,1 bar

Exhaust-gas flowrates are real volume flow rates, reference temperature is exhaust-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.



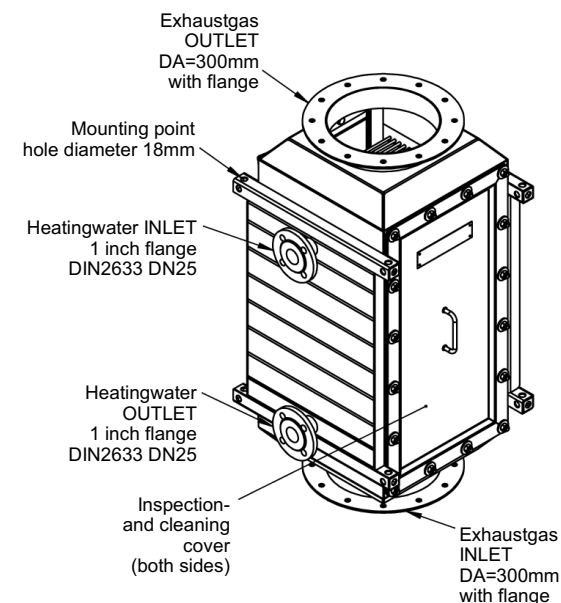
FERCHER flue gas heatexchanger type **FW-400** - Datasheet



General		Flue gas	
Model-name / Type:	FW-400	Maximum-Flowrate:	5 000 m³/h
Construction-Type:	Fully welded	Max. allowed temperature:	500 °C
Material:	AISI 316Ti AISI 316L	Max. allowed pressure:	3 000 Pa (30 mBar)
External Dimensions		Flue gas-Inlet:	flange DN300
Length:	604 mm	Flue gas-Outlet:	flange DN300
Width:	573 mm	Heating-Water	
Height:	1 100 mm	Nominal-Flowrate:	1,0 L/s
Weights		Max. allowed temperature:	110,0 °C
Empty weight:	231 kg	Max. allowed pressure:	6 bar
Internal-Volume:	35 L	Heating-Water inlet (DIN2633):	1 inch flange
Operating-Weight:	266 kg	Heating-Water outlet (DIN2633):	1 inch flange

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.





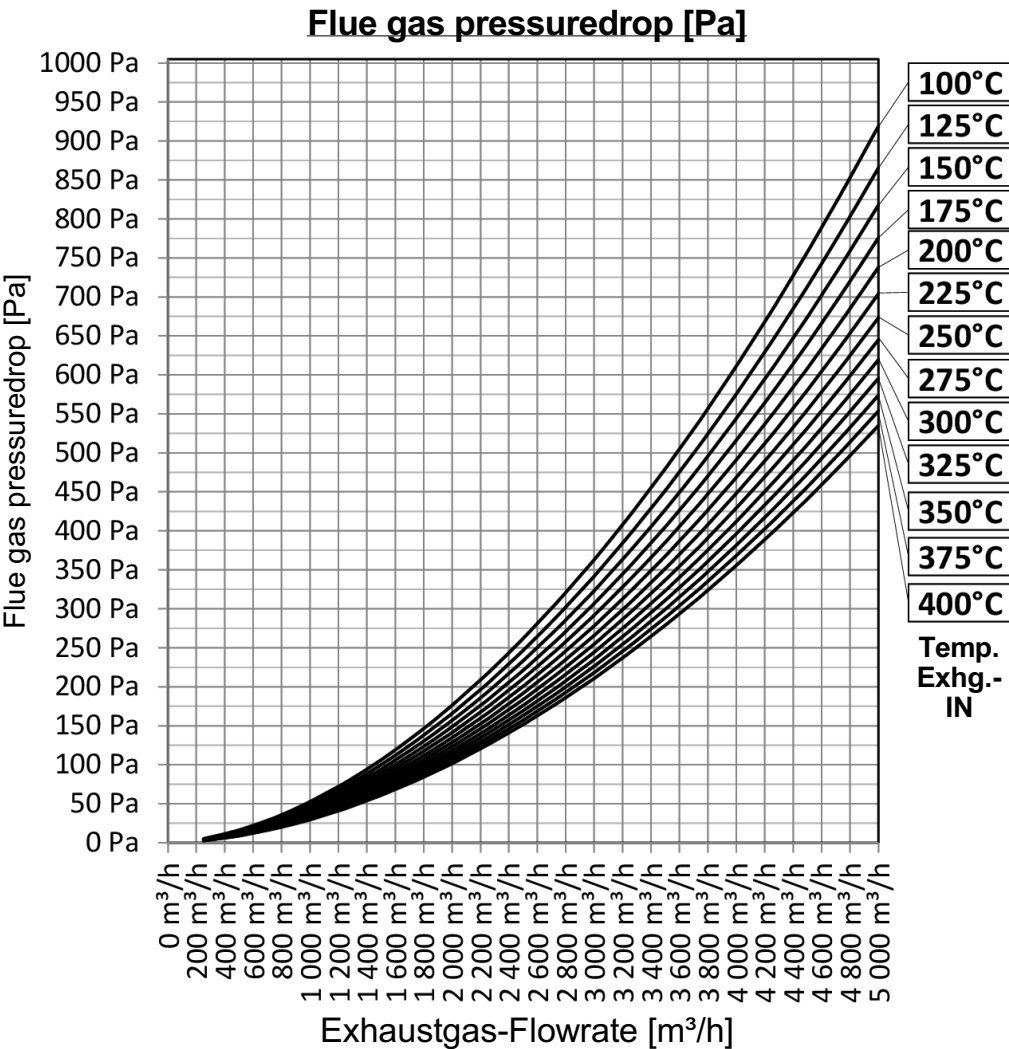
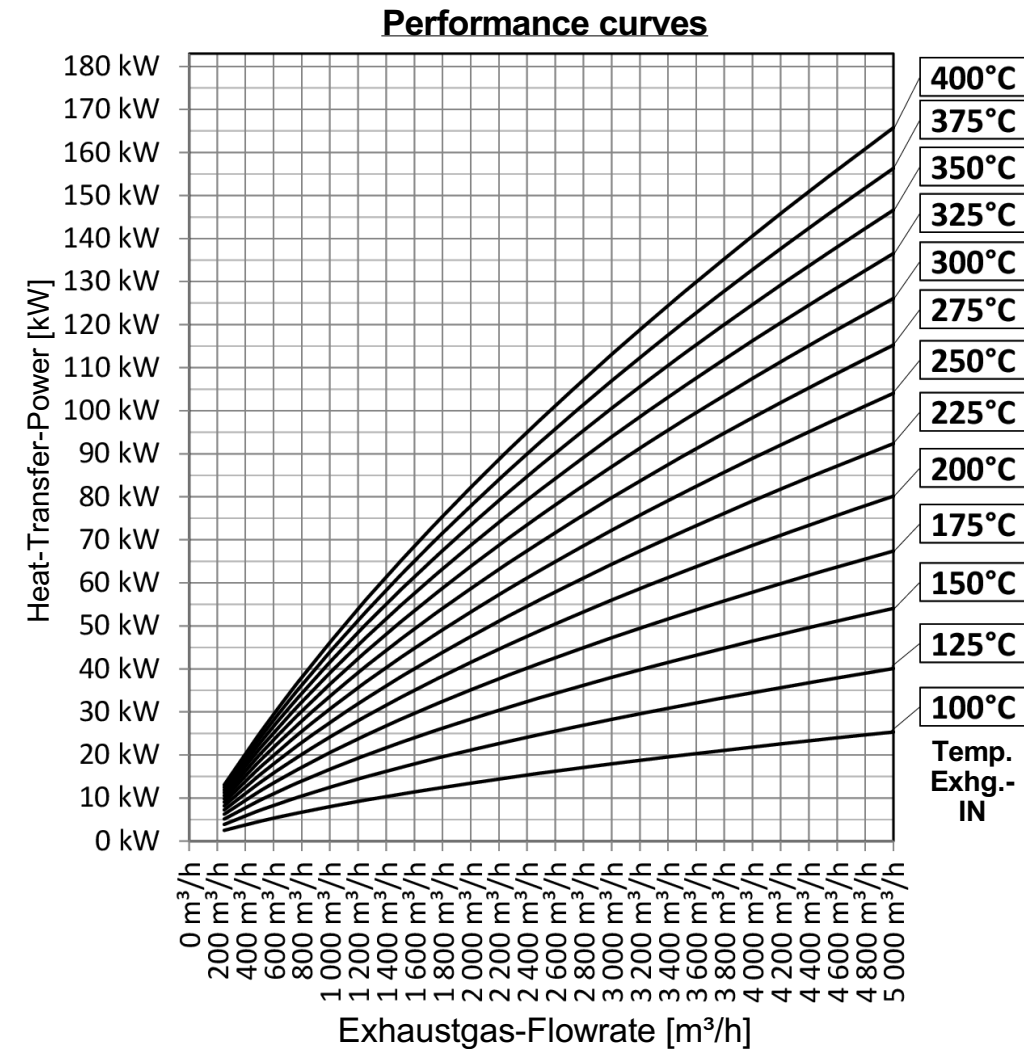
FERCHER flue gas heatexchanger type FW-400 - Characteristic curves

Following characteristics are valid for the following operation (Exhaustgas from Gas/Oil-Burner) , Heatingwater-Temperature-IN: 60 °C, Volume-Flow: 1,0 L/s (=3,6 m³/h)

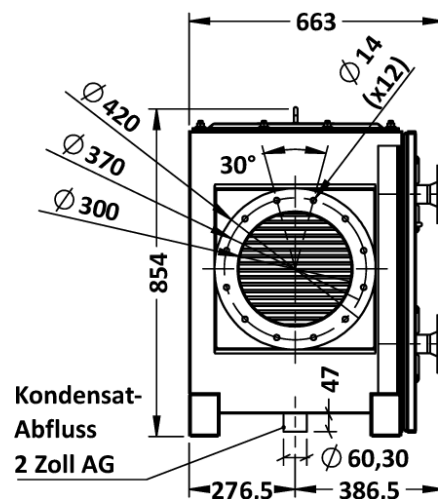
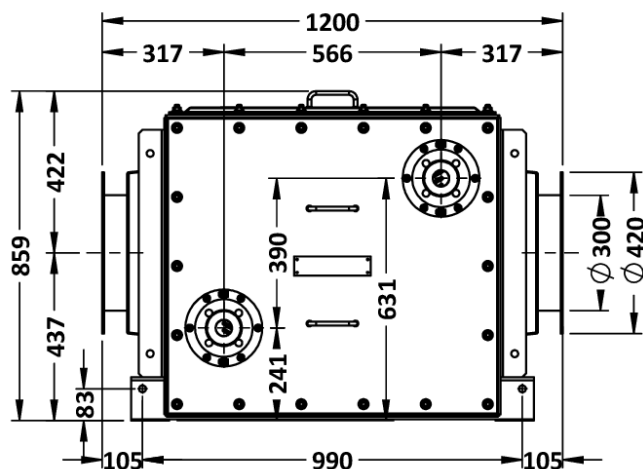
Heatingwater pressuredrop at 1,0 L/s Volume-Flow: 0,1 bar

Exhaust-gas flowrates are real volume flow rates, reference temperature is exhaust-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.

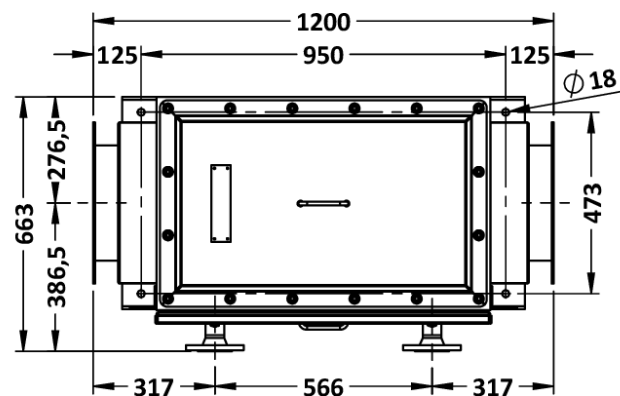
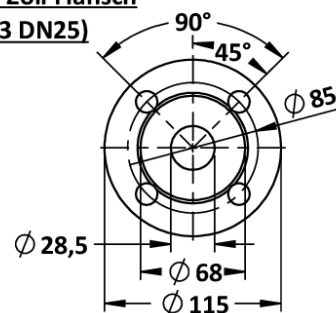


FERCHER flue gas heatexchanger type **FW-400-H-A** - Datasheet



Kondensat-
Abfluss
2 Zoll AG

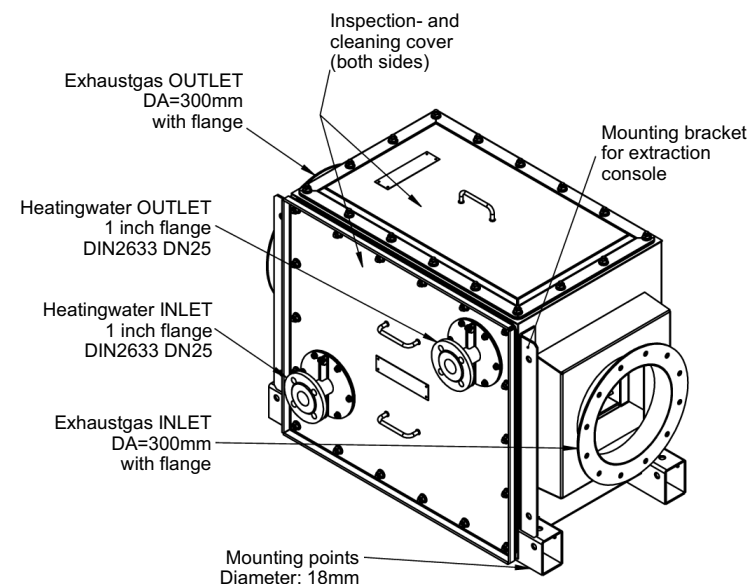
Detail: 1 Zoll Flansch (DIN2633 DN25)



General		Flue gas	
Model-name / Type:	FW-400-H-A	Maximum-Flowrate:	5 000 m³/h
Construction-Type:	Fully welded	Max. allowed temperature:	500 °C
Material:	AISI 316Ti AISI 316L	Max. allowed pressure:	3 000 Pa (30 mBar)
External Dimensions		Flue gas-Inlet:	flange DN300
Length:	1 200 mm	Flue gas-Outlet:	flange DN300
Width:	663 mm	Heating-Water	
Height:	859 mm	Nominal-Flowrate:	1,0 L/s
Weights		Max. allowed temperature:	110,0 °C
Empty weight:	316 kg	Max. allowed pressure:	6 bar
Internal-Volume:	35 L	Heating-Water inlet (DIN2633):	1 inch flange
Operating-Weight:	351 kg	Heating-Water outlet (DIN2633):	1 inch flange

Removeable Heatexchanger-Modules: All heatexchanger-modules can be extracted with the use of the FERCHER extraction-console. Afterwards the heatexchanger module can be cleaned or lifted away. The extraction-console is not part of the heatexchanger and will be offered seperately.

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.





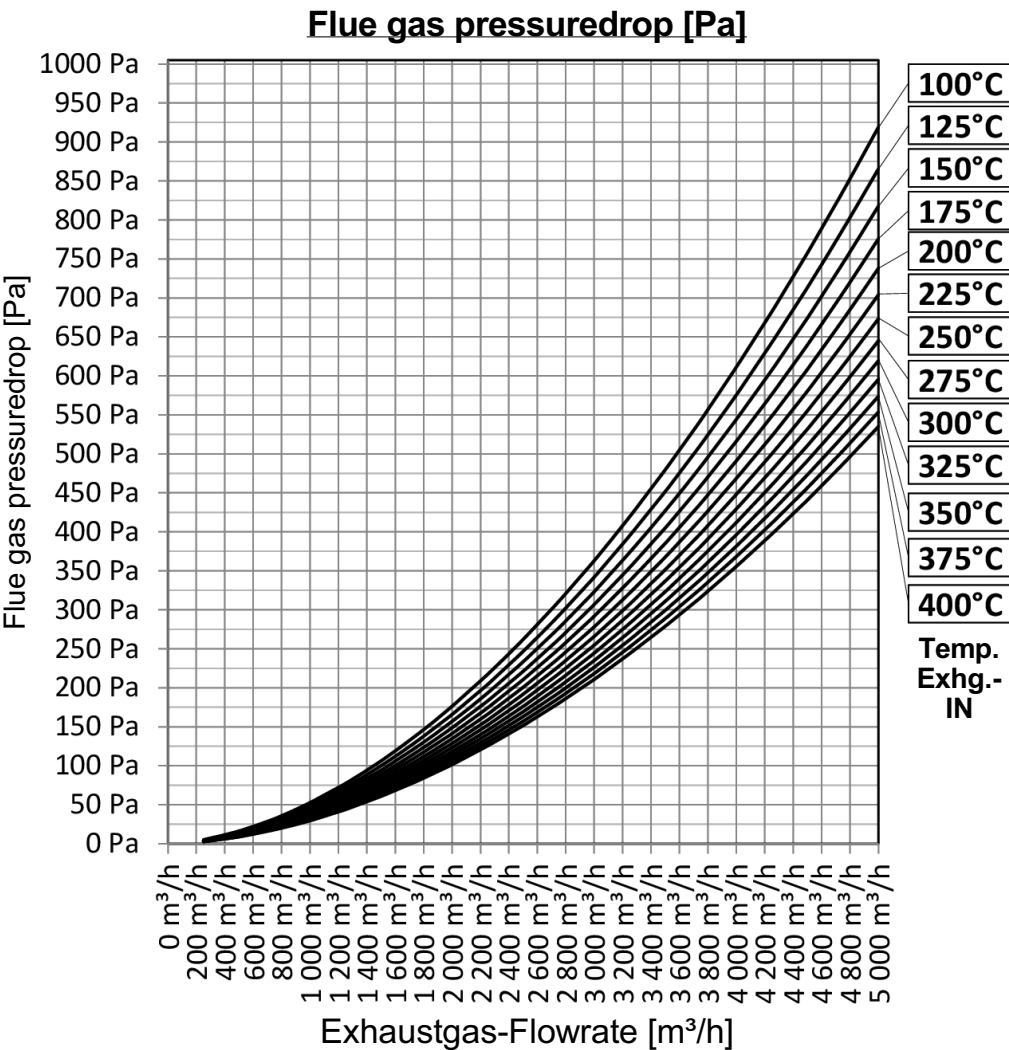
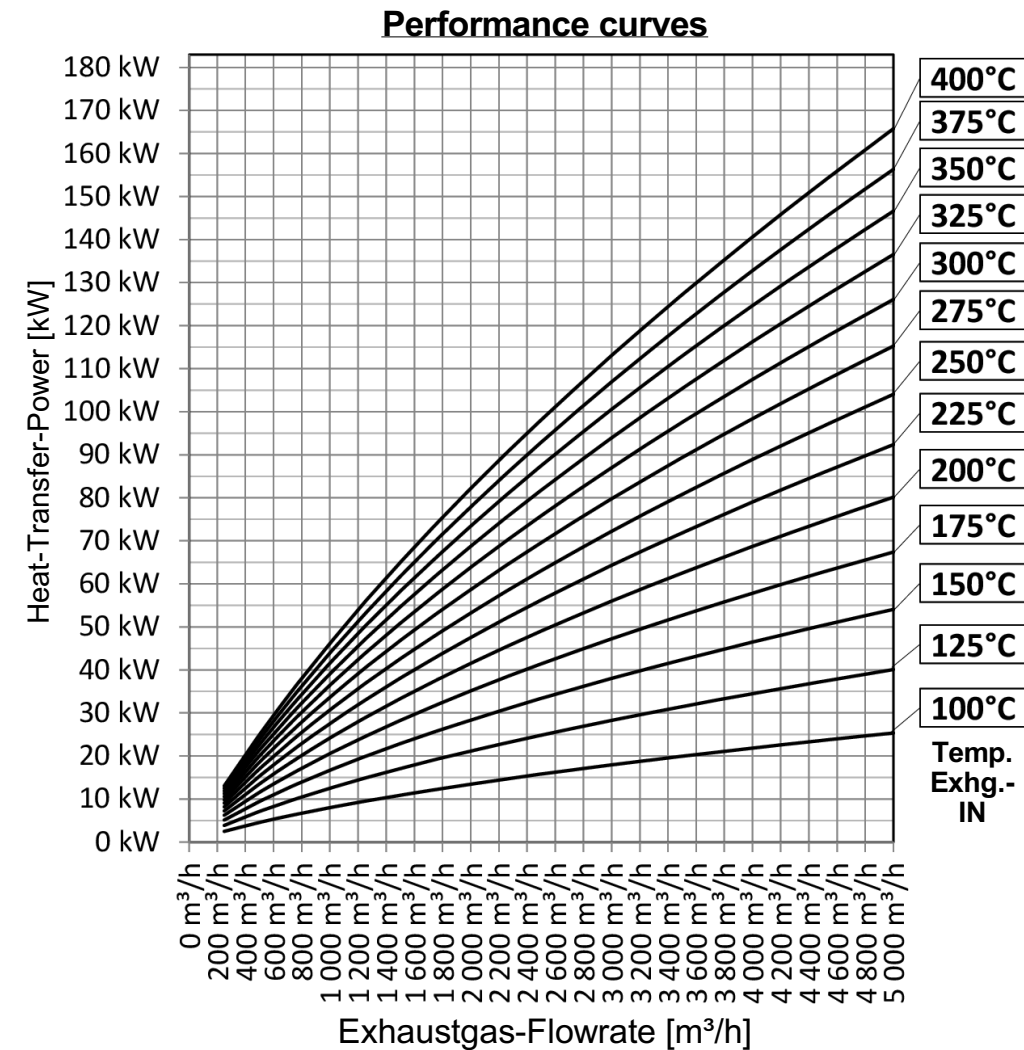
FERCHER flue gas heatexchanger type FW-400-H-A - Characteristic curves

Following characteristics are valid for the following operation (Exhaustgas from Gas/Oil-Burner) , Heatingwater-Temperature-IN: 60 °C, Volume-Flow: 1,0 L/s (=3,6 m³/h)

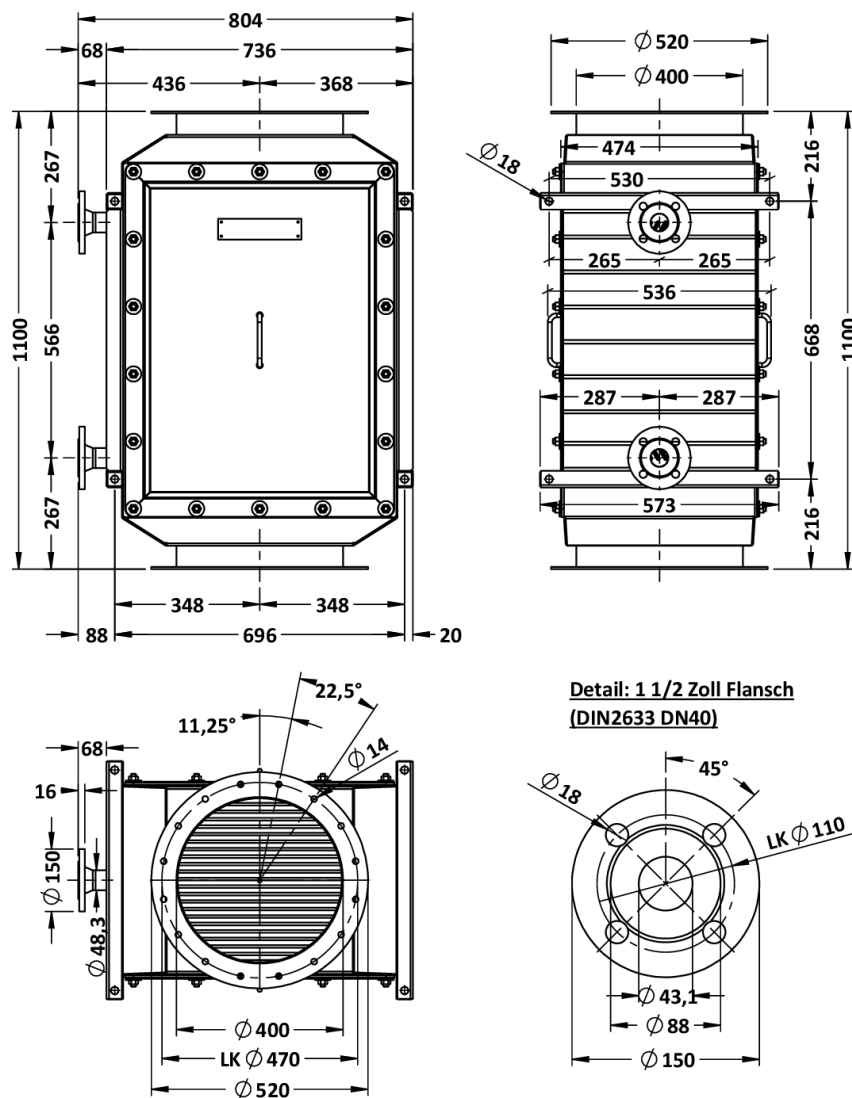
Heatingwater pressuredrop at 1,0 L/s Volume-Flow: 0,1 bar

Exhaust-gas flowrates are real volume flow rates, reference temperature is exhaust-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.



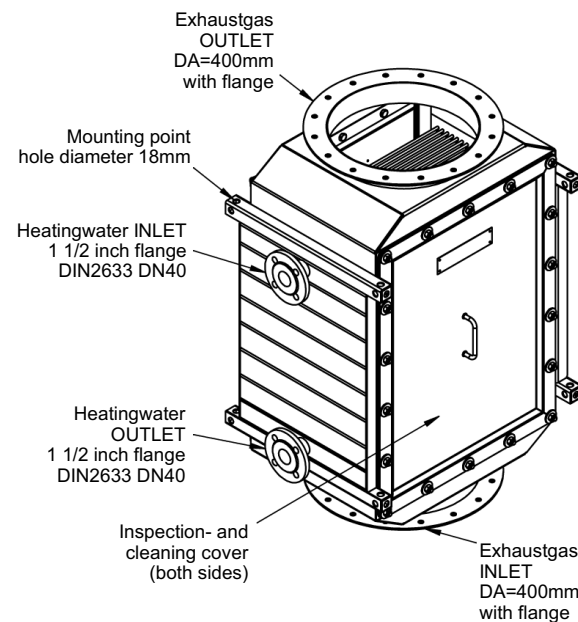
FERCHER flue gas heatexchanger type **FW-600** - Datasheet



General		Flue gas	
Model-name / Type:	FW-600	Maximum-Flowrate:	7 000 m³/h
Construction-Type:	Fully welded	Max. allowed temperature:	500 °C
Material:	AISI 316Ti AISI 316L	Max. allowed pressure:	3 000 Pa (30 mBar)
External Dimensions		Flue gas-Inlet:	flange DN400
Length:	808 mm	Flue gas-Outlet:	flange DN400
Width:	573 mm	Heating-Water	
Height:	1 100 mm	Nominal-Flowrate:	1,5 L/s
Weights		Max. allowed temperature:	110,0 °C
Empty weight:	302 kg	Max. allowed pressure:	6 bar
Internal-Volume:	42 L	Heating-Water inlet (DIN2633):	1 1/2 inch flange
Operating-Weight:	344 kg	Heating-Water outlet (DIN2633):	1 1/2 inch flange

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.





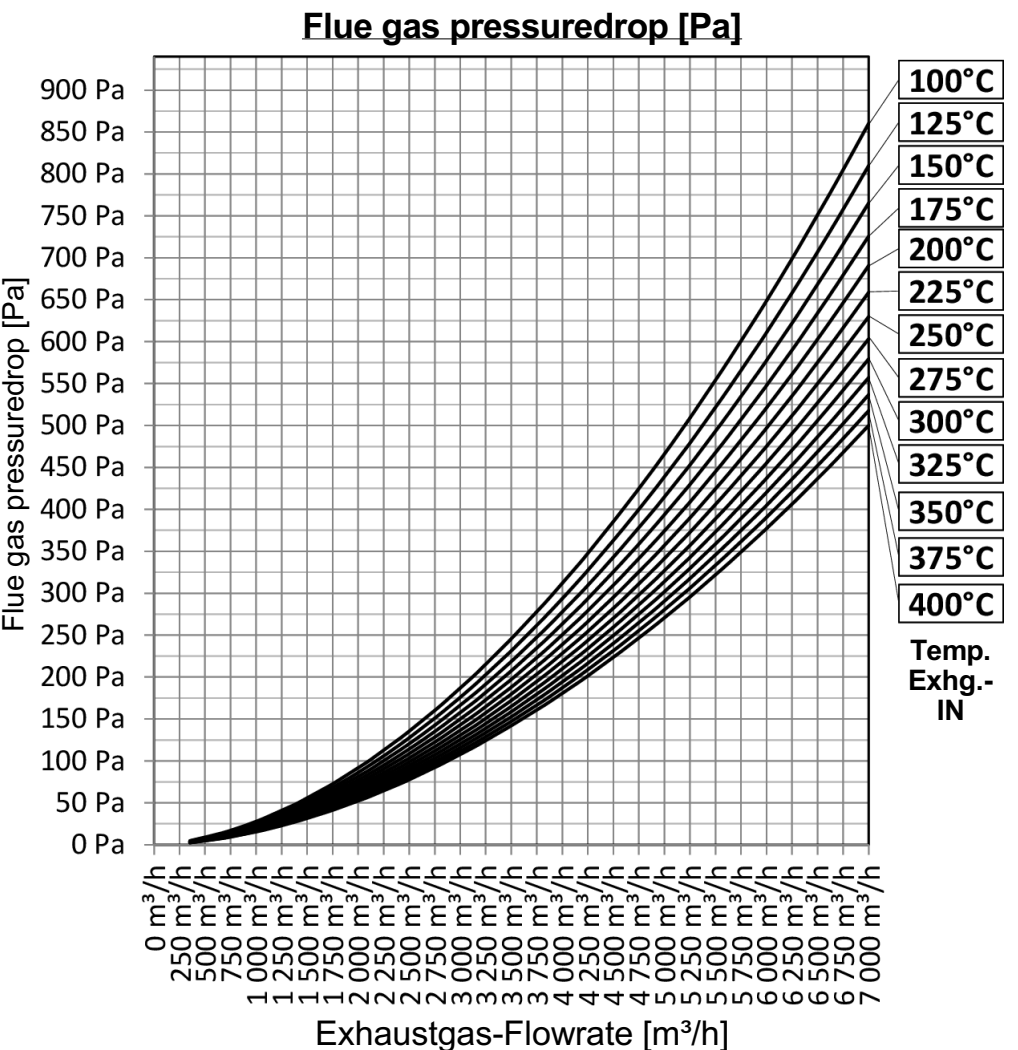
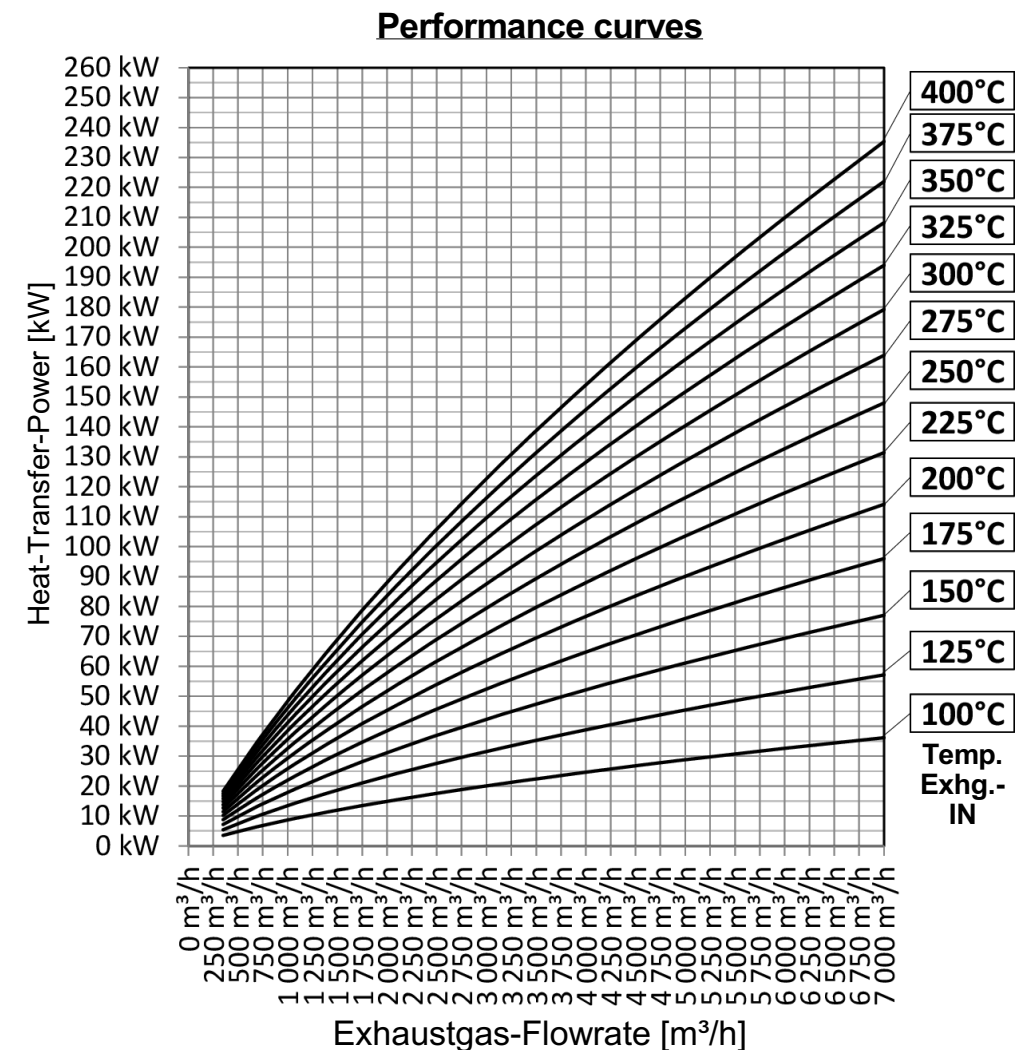
FERCHER flue gas heatexchanger type **FW-600** - Characteristic curves

Following characteristics are valid for the following operation (Exhaustgas from Gas/Oil-Burner) , Heatingwater-Temperature-IN: 60 °C, Volume-Flow: 1,5 L/s (=5,4 m³/h)

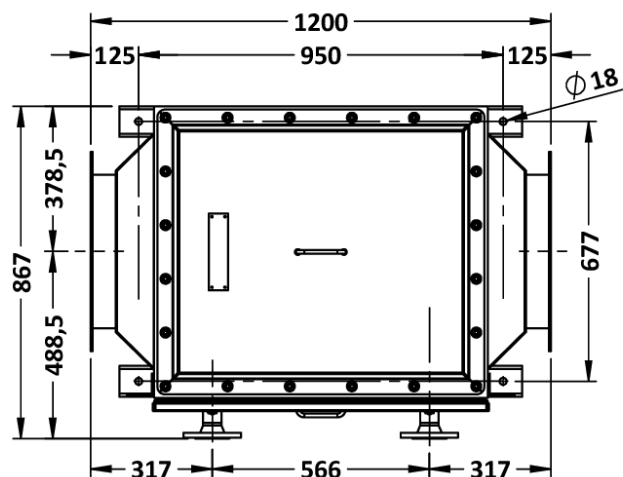
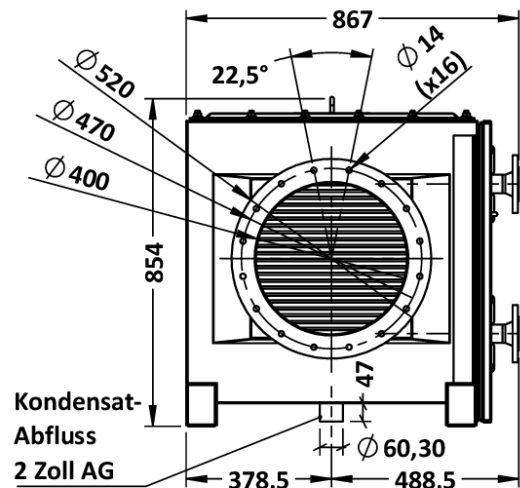
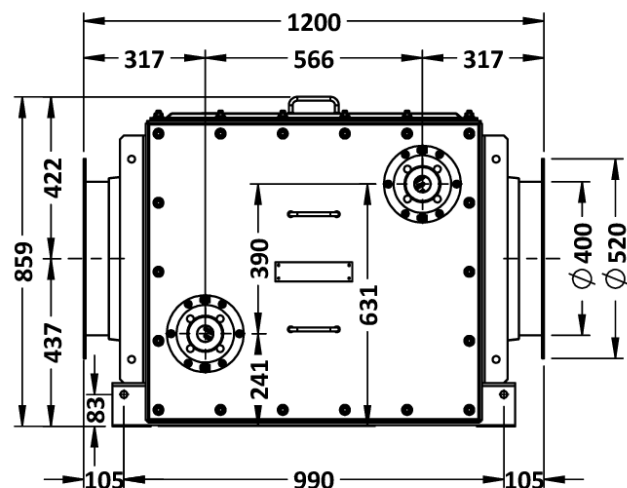
Heatingwater pressuredrop at 1,5 L/s Volume-Flow: 0,1 bar

Exhaust-gas flowrates are real volume flow rates, reference temperature is exhaust-gas IN temperature

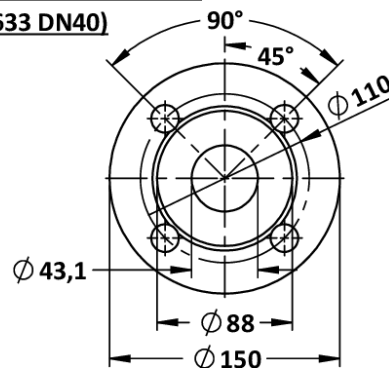
For special/individual calculations please contact us at office@fercher.at. We gladly help you with choosing the correct heatexchanger and with calculations.



FERCHER flue gas heatexchanger type **FW-600-H-A** - Datasheet



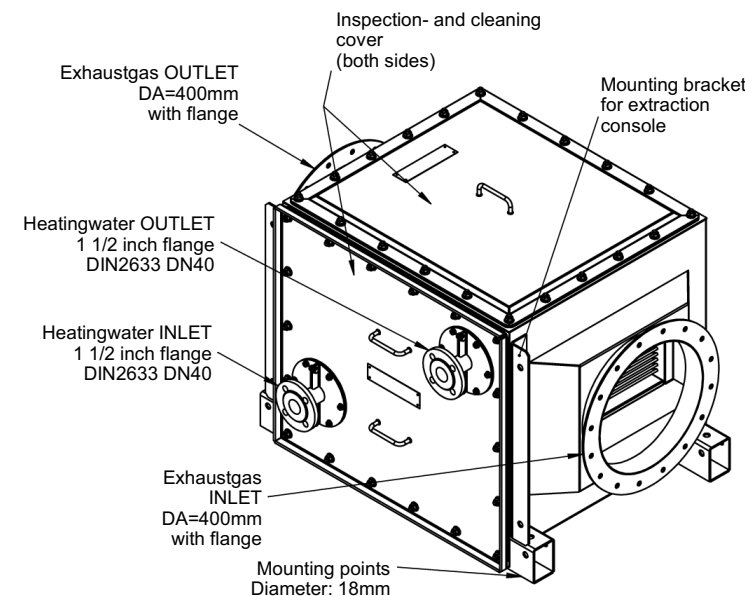
**Detail: 1 1/2 Zoll Flansch
(DIN2633 DN40)**



General		Flue gas	
Model-name / Type:	FW-600-H-A	Maximum-Flowrate:	7 000 m³/h
Construction-Type:	Fully welded	Max. allowed temperature:	500 °C
Material:	AISI 316Ti AISI 316L	Max. allowed pressure:	3 000 Pa (30 mBar)
External Dimensions		Flue gas-Inlet:	flange DN400
Length:	1 200 mm	Flue gas-Outlet:	flange DN400
Width:	867 mm	Heating-Water	
Height:	859 mm	Nominal-Flowrate:	1,5 L/s
Weights		Max. allowed temperature:	110,0 °C
Empty weight:	392 kg	Max. allowed pressure:	6 bar
Internal-Volume:	42 L	Heating-Water inlet (DIN2633):	1 1/2 inch flange
Operating-Weight:	434 kg	Heating-Water outlet (DIN2633):	1 1/2 inch flange

Removeable Heatexchanger-Modules: All heatexchanger-modules can be extracted with the use of the FERCHER extraction-console. Afterwards the heatexchanger module can be cleaned or lifted away. The extraction-console is not part of the heatexchanger and will be offered seperately.

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.





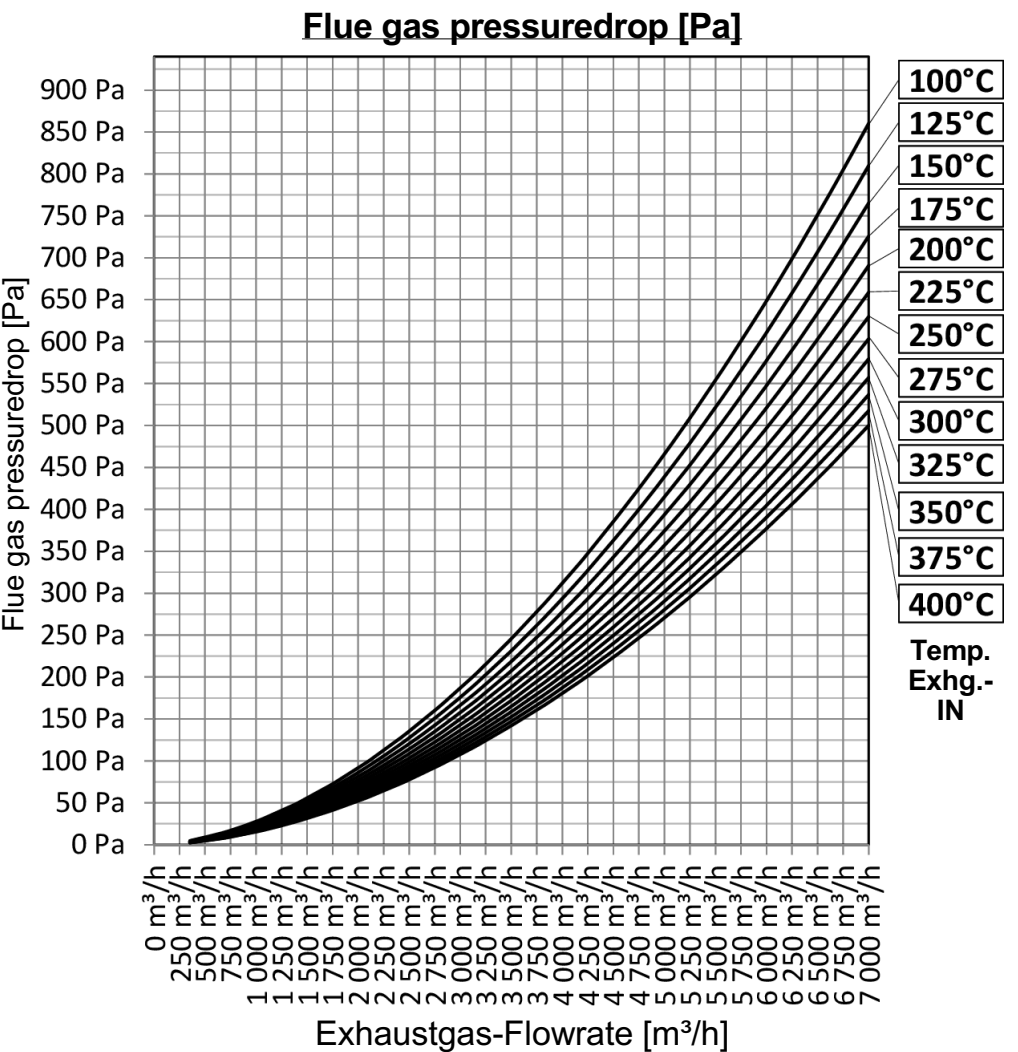
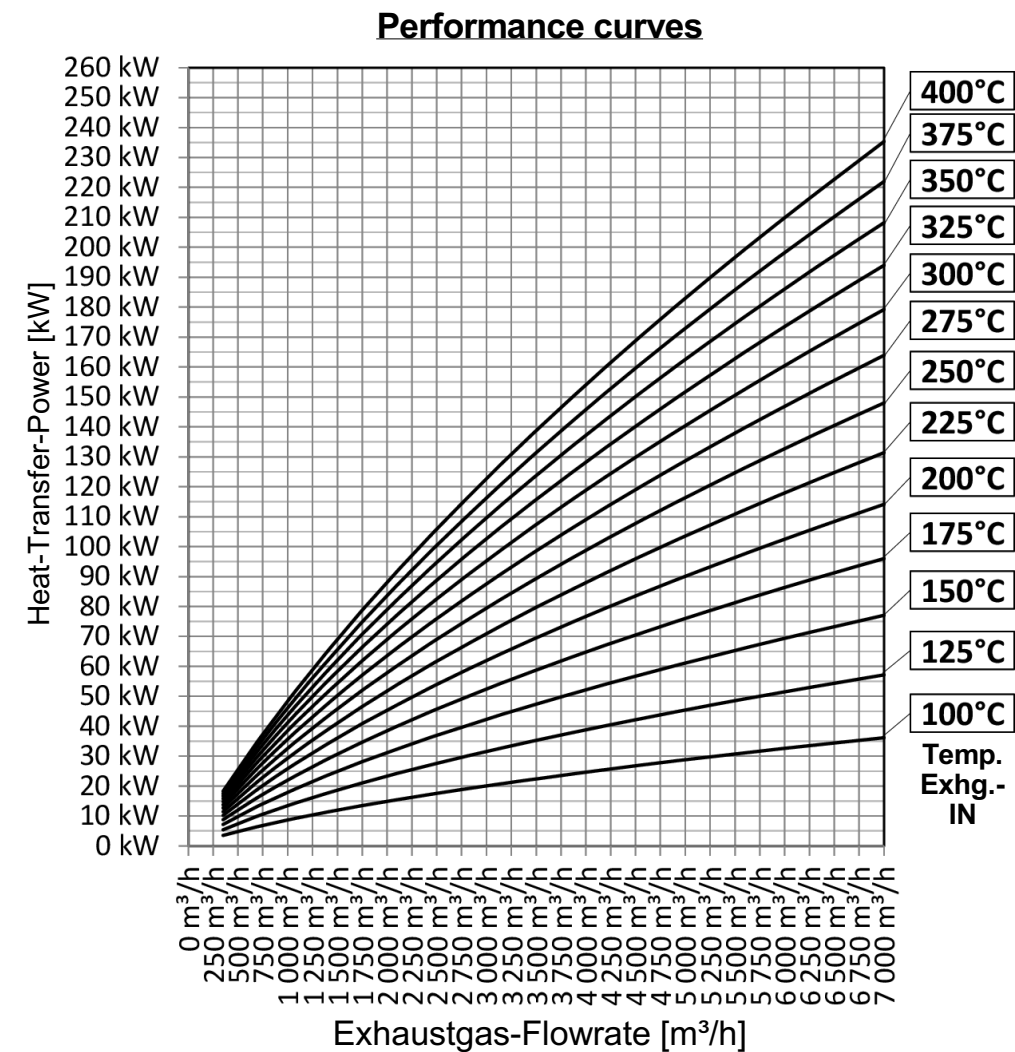
FERCHER flue gas heatexchanger type **FW-600-H-A** - Characteristic curves

Following characteristics are valid for the following operation (Exhaustgas from Gas/Oil-Burner) , Heatingwater-Temperature-IN: 60 °C, Volume-Flow: 1,5 L/s (=5,4 m³/h)

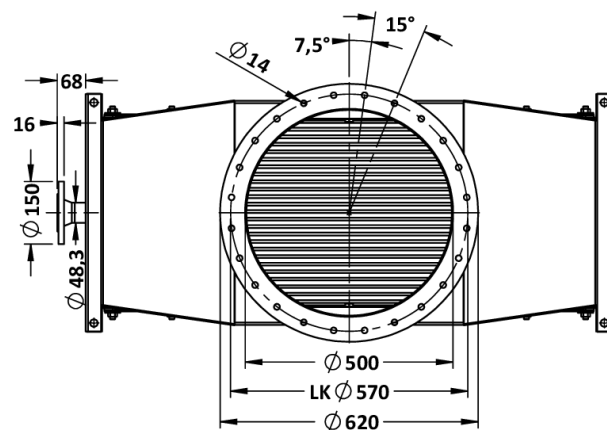
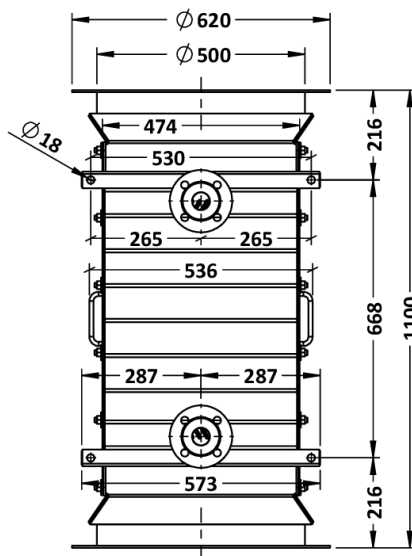
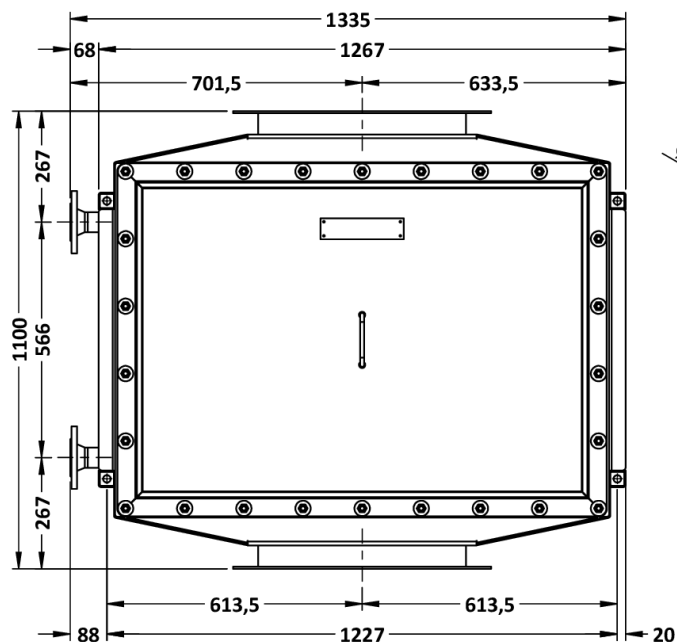
Heatingwater pressuredrop at 1,5 L/s Volume-Flow: 0,1 bar

Exhaust-gas flowrates are real volume flow rates, reference temperature is exhaust-gas IN temperature

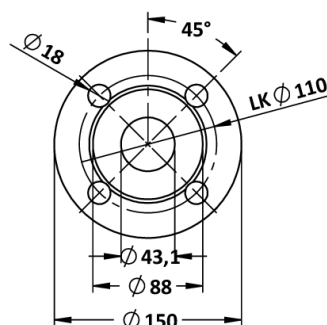
For special/individual calculations please contact us at office@fercher.at. We gladly help you with choosing the correct heatexchanger and with calculations.



FERCHER flue gas heatexchanger type **FW-1000** - Datasheet



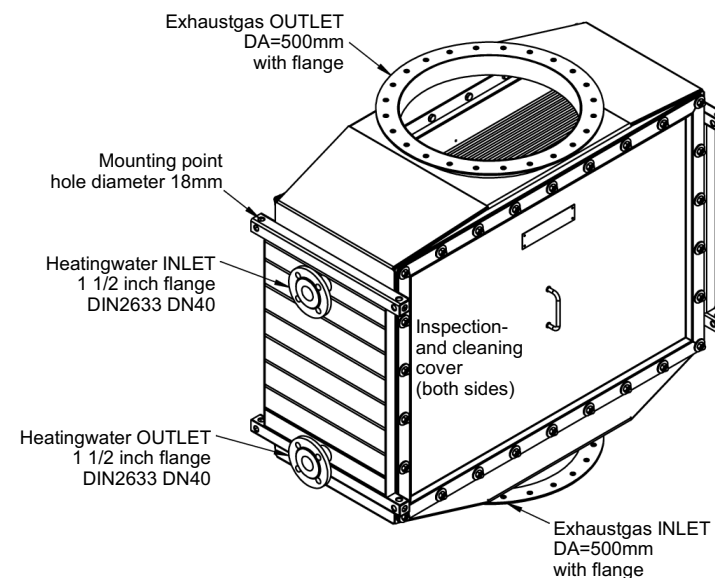
**Detail: 1 1/2 Zoll Flansch
(DIN2633 DN40)**



General		Flue gas	
Model-name / Type:	FW-1000	Maximum-Flowrate:	13 000 m³/h
Construction-Type:	Fully welded	Max. allowed temperature:	500 °C
Material:	AISI 316Ti AISI 316L	Max. allowed pressure:	3 000 Pa (30 mBar)
External Dimensions		Flue gas-Inlet:	flange DN500
Length:	1 339 mm	Flue gas-Outlet:	flange DN500
Width:	620 mm	Heating-Water	
Height:	1 100 mm	Nominal-Flowrate:	2,6 L/s
Weights		Max. allowed temperature:	110,0 °C
Empty weight:	486 kg	Max. allowed pressure:	6 bar
Internal-Volume:	61 L	Heating-Water inlet (DIN2633):	1 1/2 inch flange
Operating-Weight:	547 kg	Heating-Water outlet (DIN2633):	1 1/2 inch flange

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.





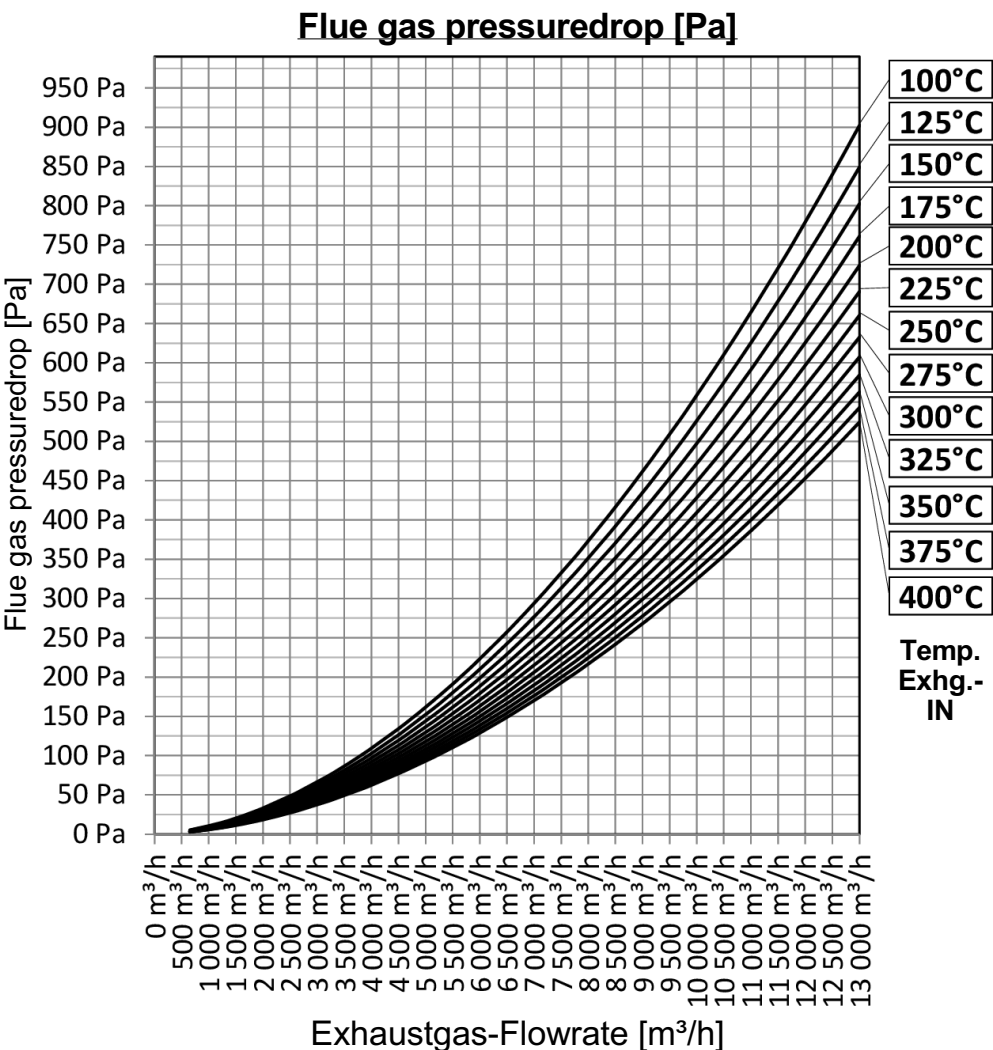
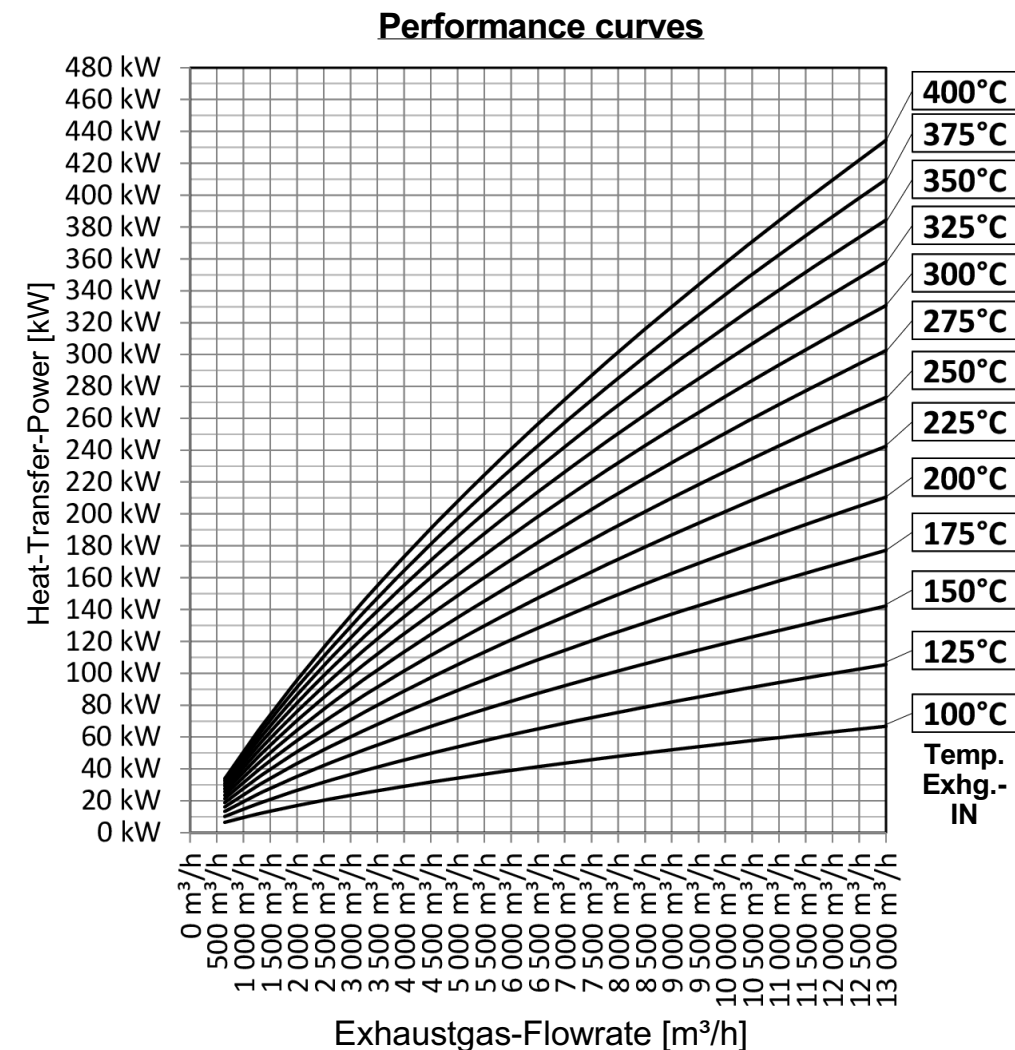
FERCHER flue gas heatexchanger type **FW-1000** - Characteristic curves

Following characteristics are valid for the following operation (Exhaustgas from Gas/Oil-Burner) , Heatingwater-Temperature-IN: 60 °C, Volume-Flow: 2,6 L/s (=9,4 m³/h)

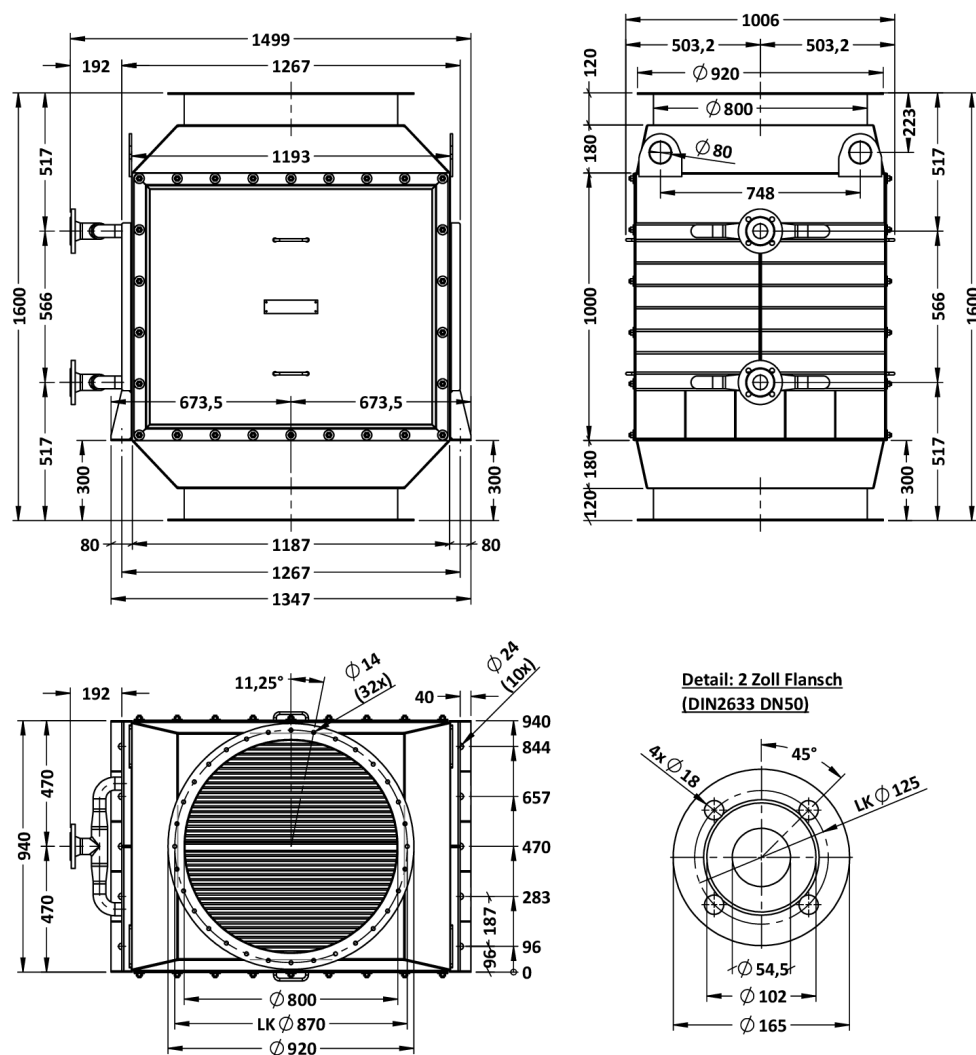
Heatingwater pressuredrop at 2,6 L/s Volume-Flow: 0,5 bar

Exhaust-gas flowrates are real volume flow rates, reference temperature is exhaust-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.



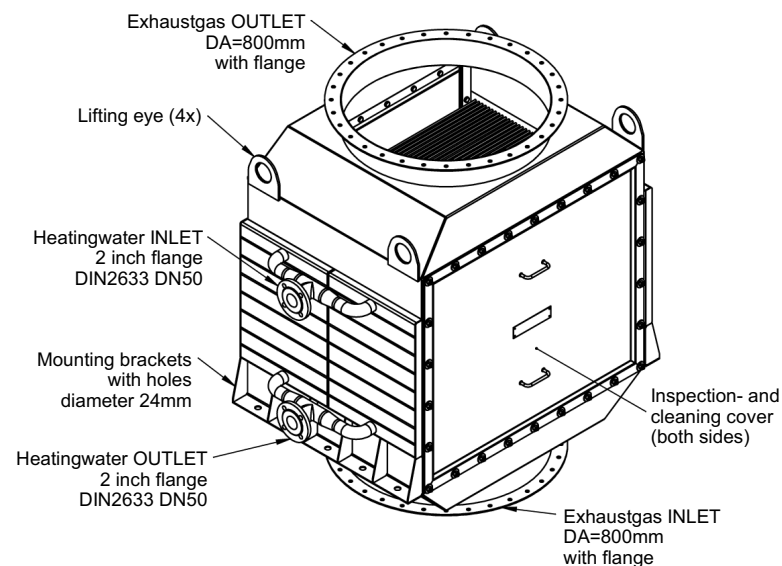
FERCHER flue gas heatexchanger type **FW-1000-X2** - Datasheet



General		Flue gas	
Model-name / Type:	FW-1000-X2	Maximum-Flowrate:	26 000 m³/h
Construction-Type:	Fully welded	Max. allowed temperature:	500 °C
Material:	AISI 316Ti AISI 316L	Max. allowed pressure:	3 000 Pa (30 mBar)
		Flue gas-Inlet:	flange DN80
		Flue gas-Outlet:	flange DN80
External Dimensions		Heating-Water	
Length:	1 499 mm	Nominal-Flowrate:	5,2 L/s
Width:	1 006 mm	Max. allowed temperature:	110,0 °C
Height:	1 600 mm	Max. allowed pressure:	6 bar
Weights		Heating-Water inlet (DIN2633):	2 inch flange
Empty weight:	930 kg	Heating-Water outlet (DIN2633):	2 inch flange
Internal-Volume:	126 L		
Operating-Weight:	1 056 kg		

Cleaning: Manual cleaning (for instance with brush/pressure-cleaner/steam) is possible without disassembling the heat exchanger, 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.





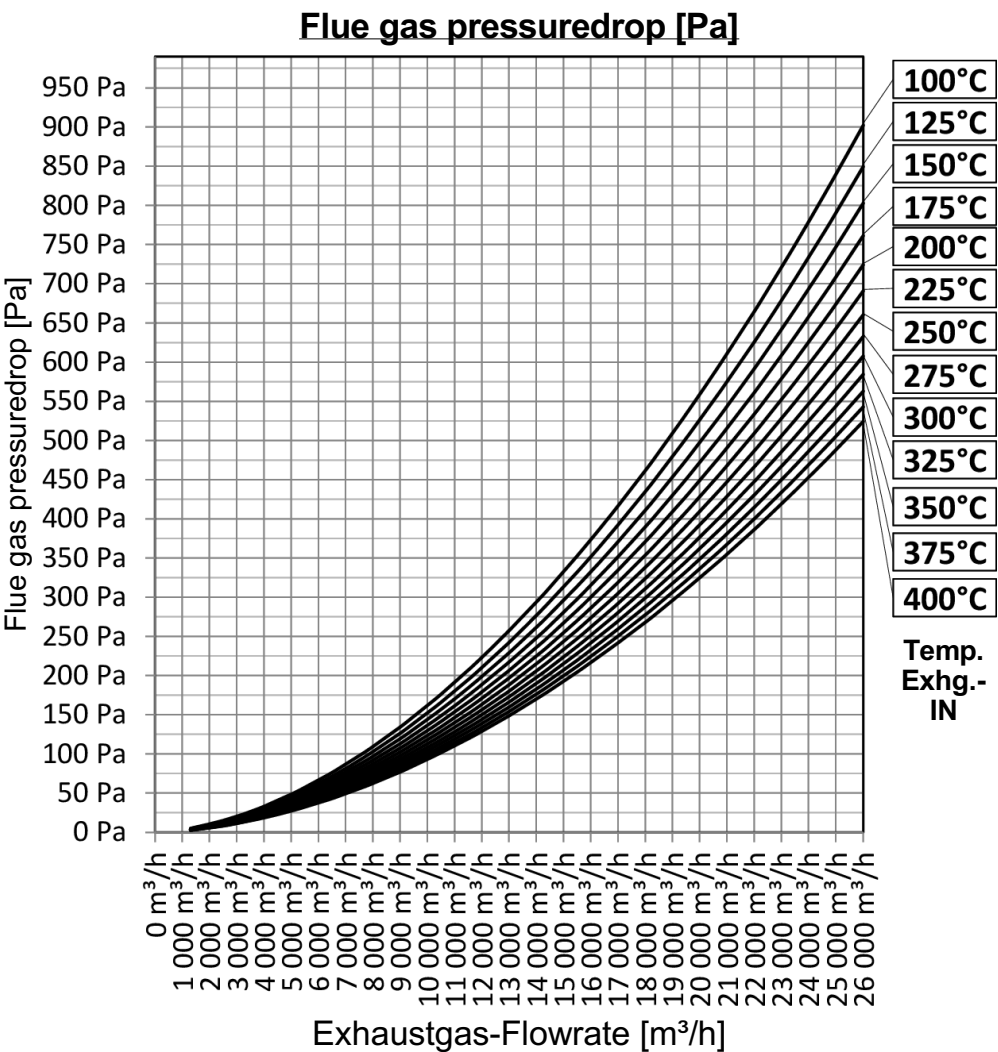
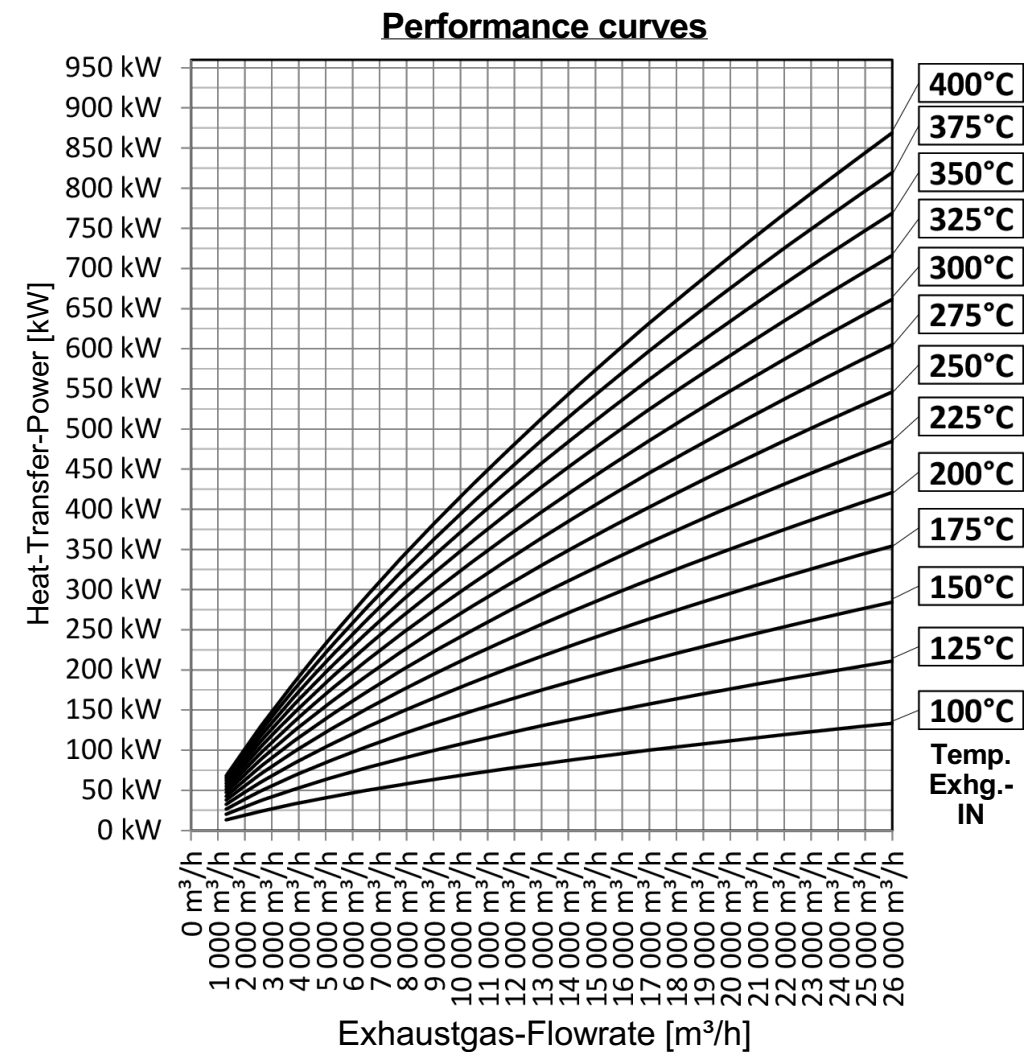
FERCHER flue gas heatexchanger type **FW-1000-X2** - Characteristic curves

Following characteristics are valid for the following operation (Exhaustgas from Gas/Oil-Burner) , Heatingwater-Temperature-IN: 60 °C, Volume-Flow: 5,2 L/s (=18,7 m³/h)

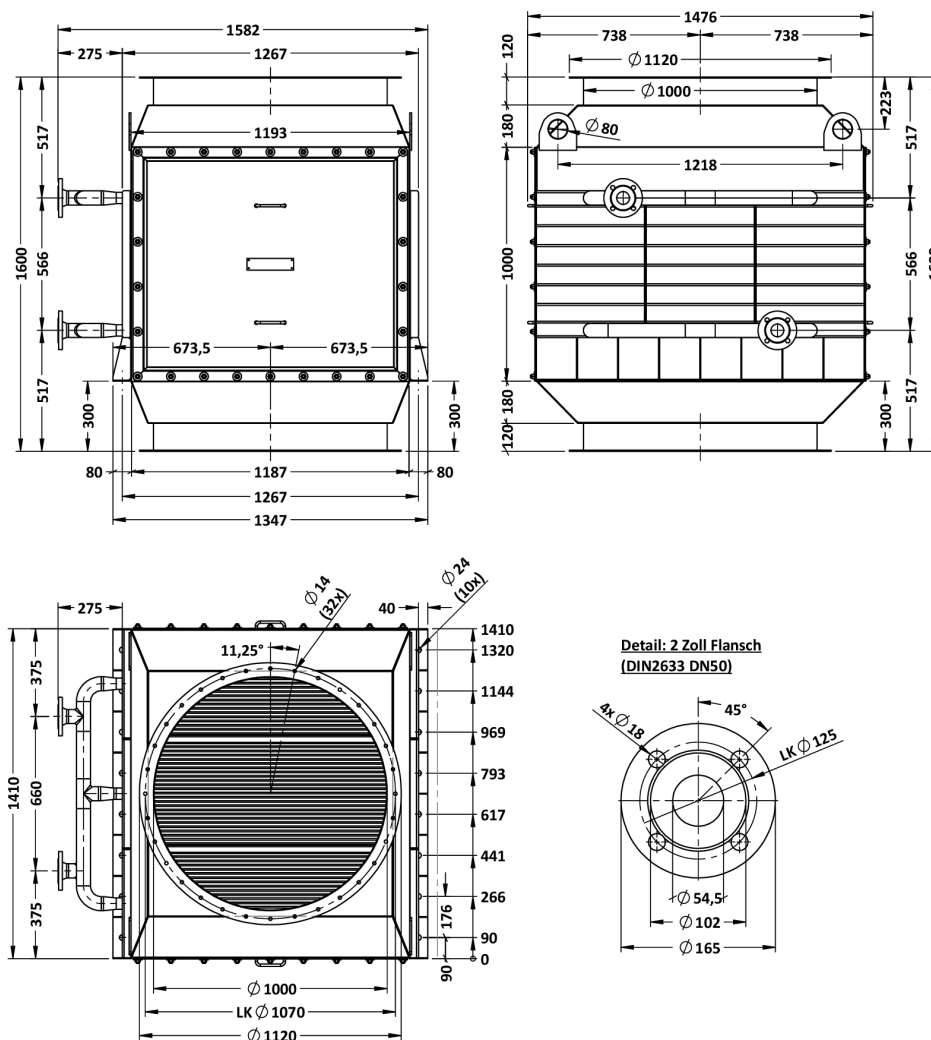
Heatingwater pressuredrop at 5,2 L/s Volume-Flow: 0,5 bar

Exhaust-gas flowrates are real volume flow rates, reference temperature is exhaust-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.



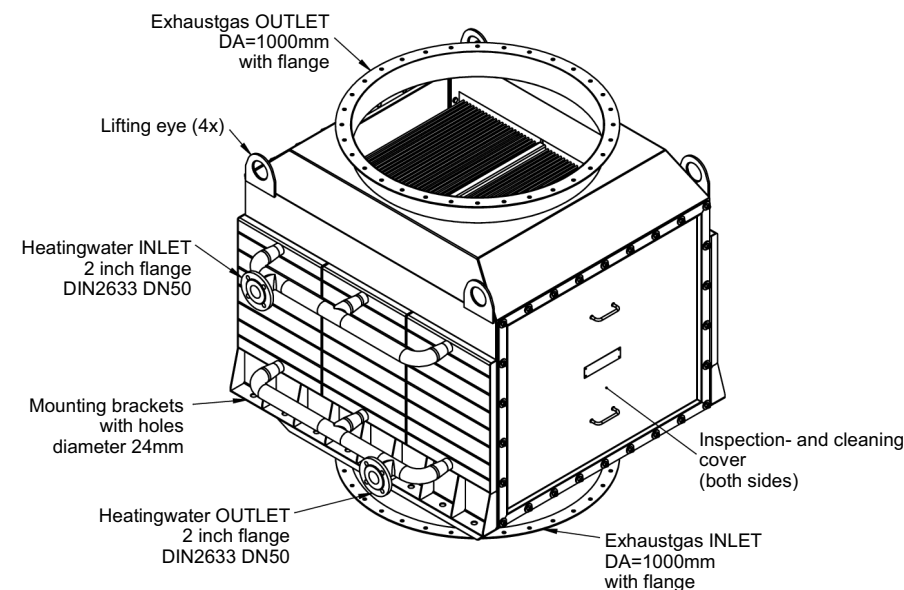
FERCHER flue gas heatexchanger type **FW-1000-X3** - Datasheet



General		Flue gas	
Model-name / Type:	FW-1000-X3	Maximum-Flowrate:	39 000 m³/h
Construction-Type:	Fully welded	Max. allowed temperature:	500 °C
Material:	AISI 316Ti AISI 316L	Max. allowed pressure:	3 000 Pa (30 mBar)
External Dimensions		Flue gas-Inlet:	flange DN1000
Length:	1 582 mm	Flue gas-Outlet:	flange DN1000
Width:	1 476 mm	Heating-Water	
Height:	1 600 mm	Nominal-Flowrate:	7,8 L/s
Weights		Max. allowed temperature:	110,0 °C
Empty weight:	1 338 kg	Max. allowed pressure:	6 bar
Internal-Volume:	190 L	Heating-Water inlet (DIN2633):	2 inch flange
Operating-Weight:	1 528 kg	Heating-Water outlet (DIN2633):	2 inch flange

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.



FERCHER flue gas heatexchanger type **FW-1000-X3** - Characteristic curves

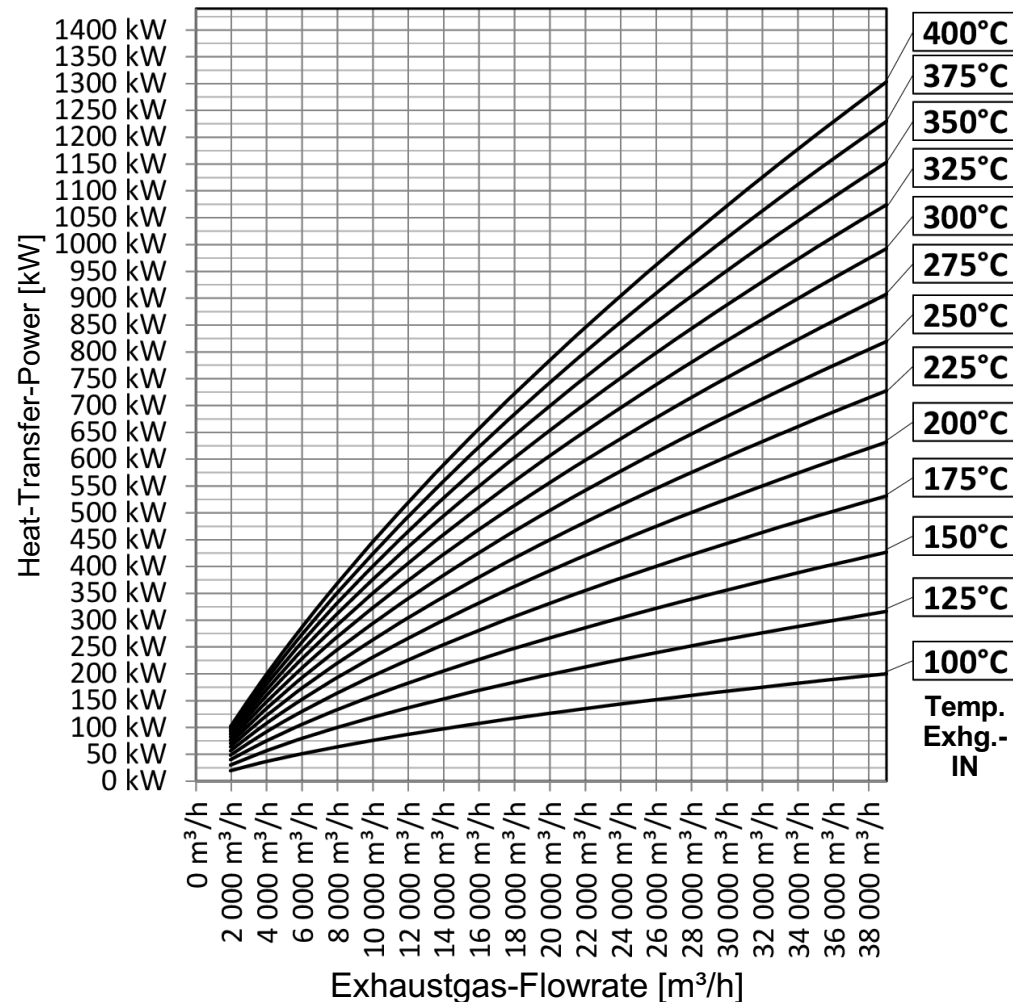
Following characteristics are valid for the following operation (Exhaustgas from Gas/Oil-Burner), Heatingwater-Temperature-IN: 60 °C, Volume-Flow: 7,8 L/s (=28,1 m³/h)

Heatingwater pressuredrop at 7,8 L/s Volume-Flow: 0,5 bar

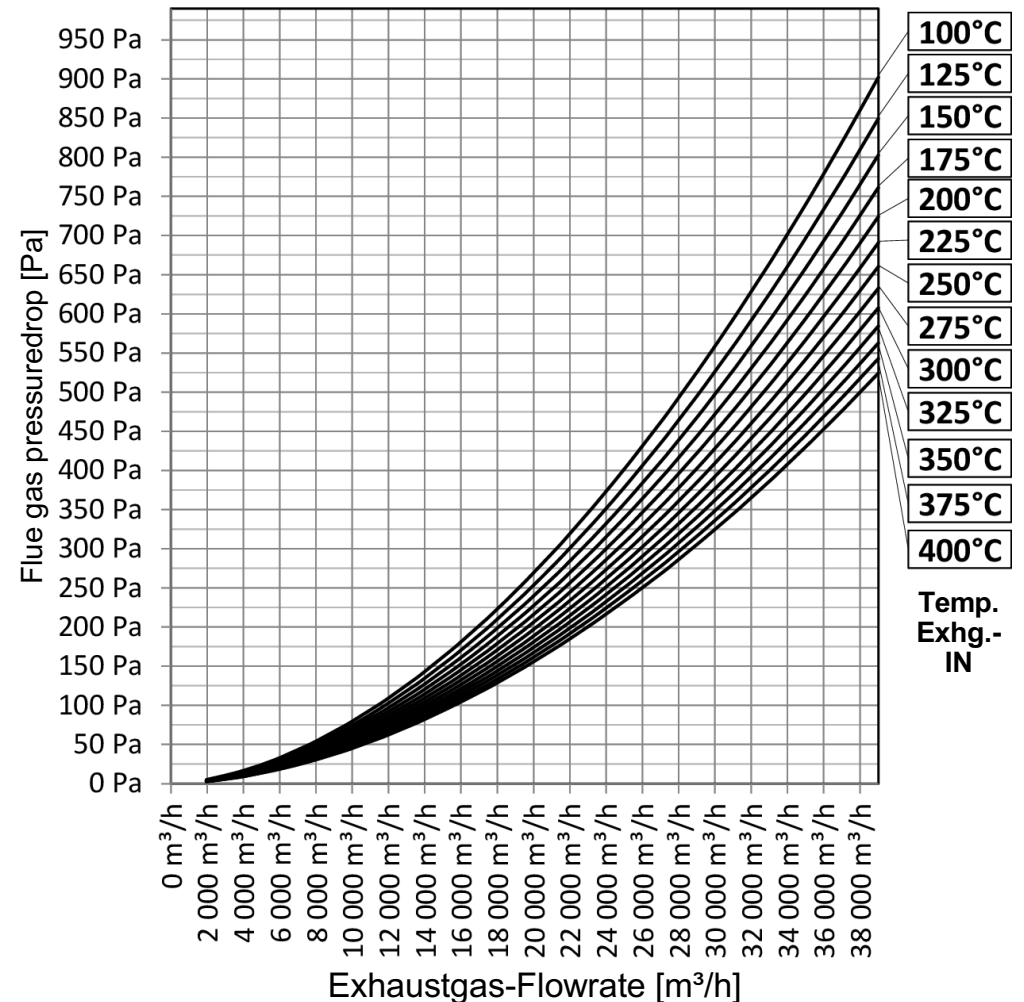
Exhaust-gas flowrates are real volume flow rates, reference temperature is exhaust-gas IN temperature

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

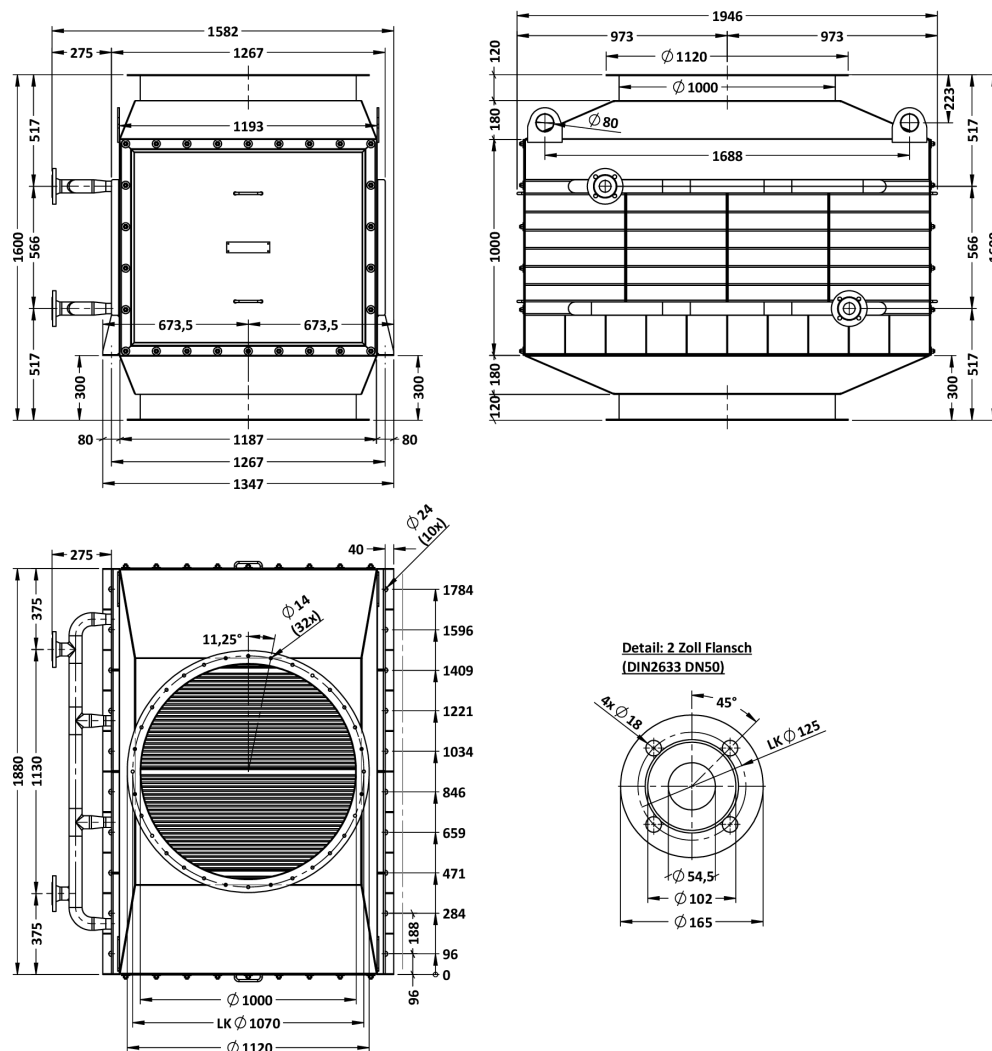
Performance curves



Flue gas pressuredrop [Pa]



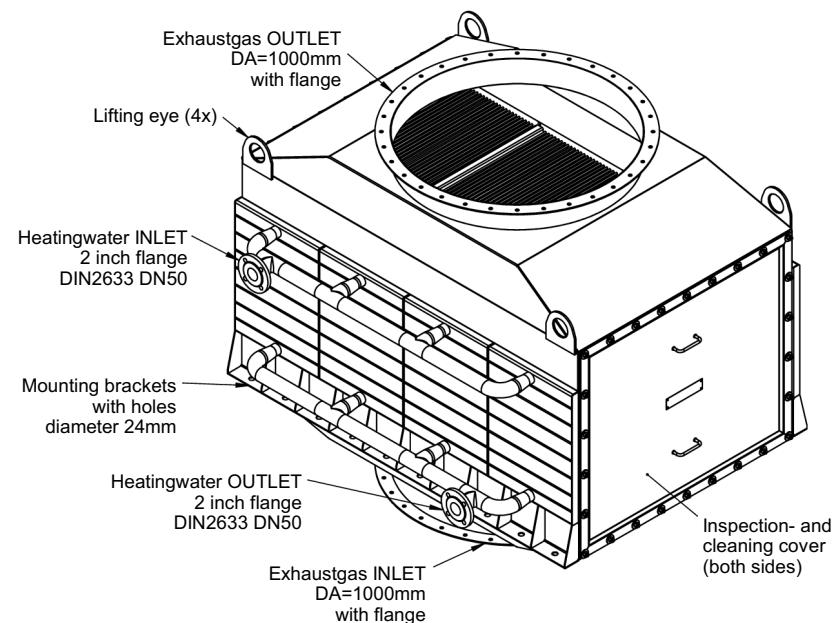
FERCHER flue gas heatexchanger type **FW-1000-X4** - Datasheet



General		Flue gas	
Model-name / Type:	FW-1000-X4	Maximum-Flowrate:	52 000 m³/h
Construction-Type:	Fully welded	Max. allowed temperature:	500 °C
Material:	AISI 316Ti AISI 316L	Max. allowed pressure:	3 000 Pa (30 mBar)
		Flue gas-Inlet:	flange DN100
		Flue gas-Outlet:	flange DN100
External Dimensions		Heating-Water	
Length:	1 582 mm	Nominal-Flowrate:	10,4 L/s
Width:	1 946 mm	Max. allowed temperature:	110,0 °C
Height:	1 600 mm	Max. allowed pressure:	6 bar
Weights		Heating-Water inlet (DIN2633):	2 inch flange
Empty weight:	1 742 kg	Heating-Water outlet (DIN2633):	2 inch flange
Internal-Volume:	254 L		
Operating-Weight:	1 996 kg		

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.





FERCHER flue gas heatexchanger type **FW-1000-X4** - Characteristic curves

Following characteristics are valid for the following operation (Exhaustgas from Gas/Oil-Burner) , Heatingwater-Temperature-IN: 60 °C, Volume-Flow: 10,4 L/s (=37,4 m³/h)

Heatingwater pressuredrop at 10,4 L/s Volume-Flow: 0,5 bar

Exhaust-gas flowrates are real volume flow rates, reference temperature is exhaust-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.

