

**CERTECON**  
Junior 80 – 400



## Exhaust gas heat exchanger at a glance

### Energy Saving with CERTECON

#### CERTECON Flue gas heat exchangers

An innovative solution for saving energy during operation of the oil- or gas-heated CERTUSS steam generators of the Junior 80 - 400 series.

Depending on the output level, operating pressure and utilization of the steam generator, the combustion-specific degrees of efficiency increases to up to 98%.

#### CERTECON Flue gas heat exchangers

are compact with small dimensions are inserted horizontally or vertically in the flue flue between the steam generator and exhaust gas stack.

At the water end they have to be installed between the boiler feed pump and the steam generator.

#### CERTECON Flue gas heat exchangers

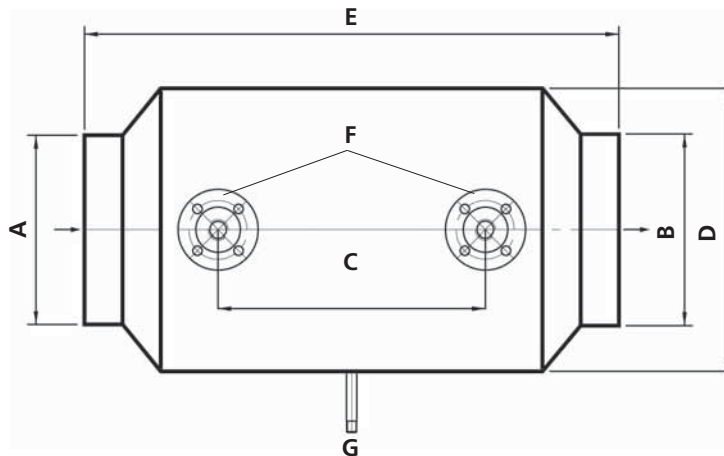
continuously return the gained energy to the steam generators. The burner output is reduced correspondingly. External heat intake is not required.

They are approved solely for the operation with CERTUSS steam generators.

#### CERTECON Flue gas heat exchangers

have a robust heat exchanger package made of high-quality boiler tubes.

They are adapted optimally to the respective sizes of the CERTUSS steam generators. Depending on the boiler size the flue gas temperature is reduced to 130 °C to 160 °C, whereby the danger of the dew point being underpassed in the exhaust gas stack is avoided.



CERTECON Junior		
A	Flue gas inlet Ø internal	mm
B	Flue gas outlet Ø external	mm
C	Connecting piece distance	mm
D	Height	mm
E	Widht	mm
F	Water inlet/water outlet PN 40	DN
G	Dewatering flue gas condensate	
*	Heat output at full load up to	kW
	Risk category in accordance with Pressure Equipment Guideline	
	Weight without water	kg
	Water capacity	l
	Operating overpressure max.	bar

	80 – 120	150 – 200	250 – 400 **
A	180	200	250
B	178	198	248
C	220	270	350
D	250	280	370
E	590	640	740
F	15	15	20
G	1/2"	1/2"	1/2"
*	4	4	14
	GIP	I	I
	24	33	66
	0,91	1,99	3,86
	40	40	40

\* The values can deviate depending on the operating pressure and utilization.

\*\* Further sizes on request.

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