

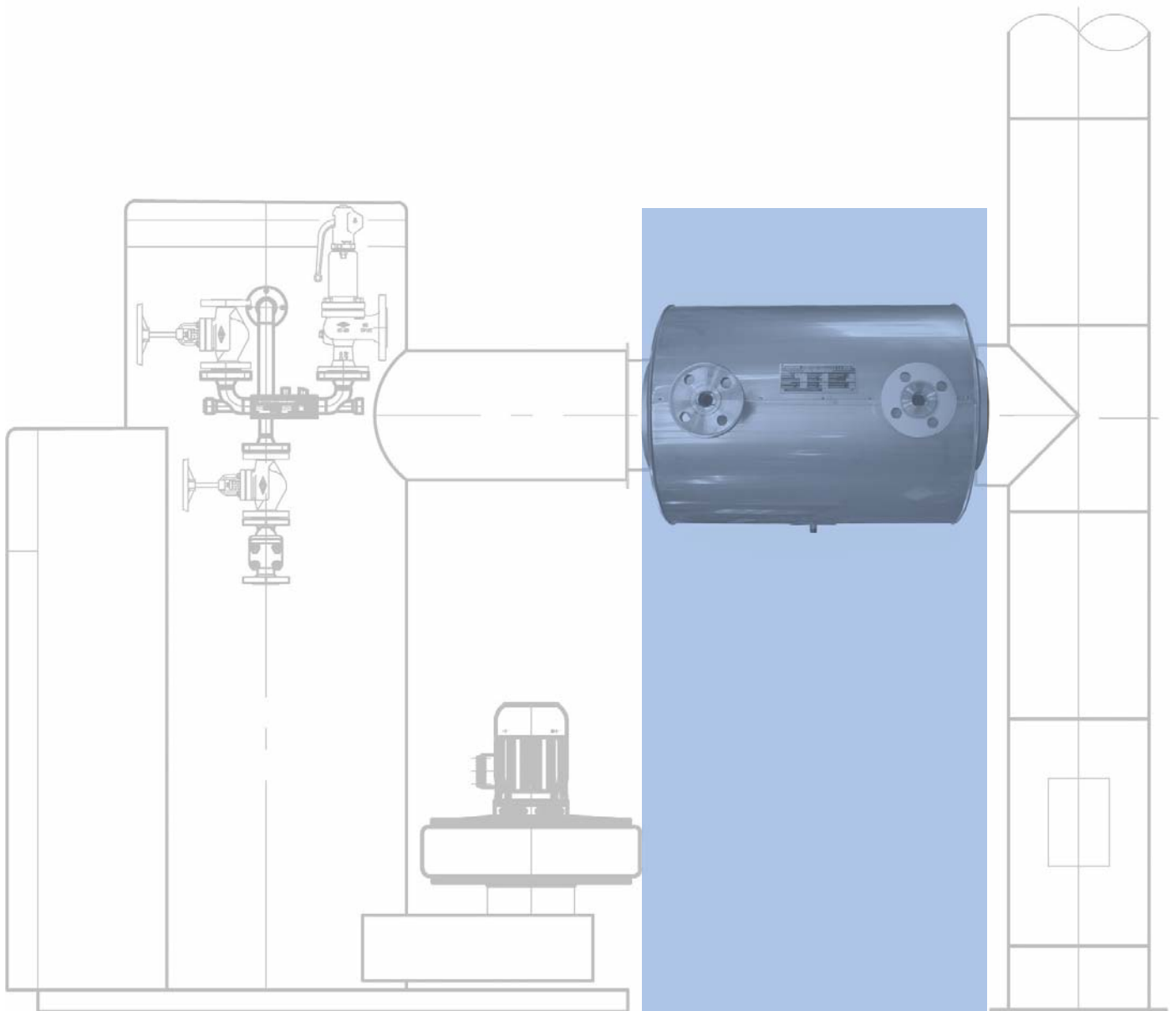
CERTUSS

Steam Generators

Exhaust gas heat exchanger

CERTECON

Junior 80 - 400



CERTECON Junior 80 - 400

CERTECON Junior 80 - 400

CERTECON Flue gas heat exchangers

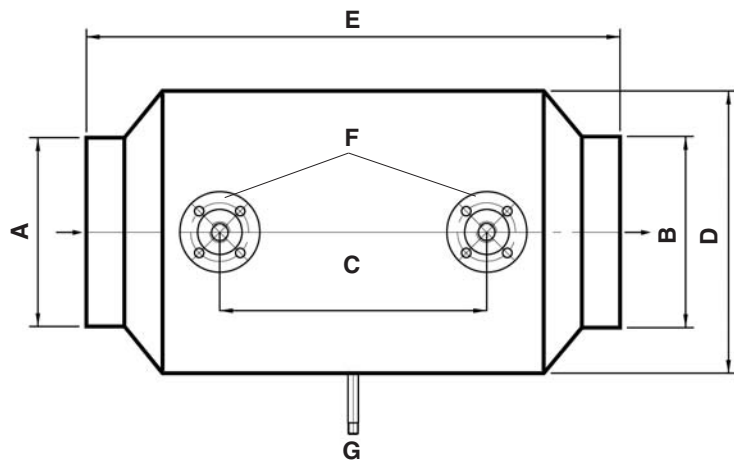
An innovative solution for saving energy during operation of the oil- or gas-heated CERTUSS steam generators of the Junior 80 - 400 series.

Depending on the output level, operating pressure and utilization of the steam generator, the combustion-specific degrees of efficiency increases to up to 97%.

CERTECON Flue gas heat exchangers

are compact with small dimensions are inserted horizontally or vertically in the flue gas 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

CERTECON Junior		80 - 120	150 - 200	250 - 400	
A	flue gas inlet Ø internal	mm	180	200	250
B	flue gas outlet Ø external	mm	178	198	248
C	connecting piece distance	mm	220	270	350
D	height	mm	250	280	370
E	width	mm	590	640	740
F	water inlet/water outlet PN 40	DN	15	15	20
G	dewatering flue gas condensate		1/2"	1/2"	1/2"
*	heat output at full load up to	kW	4	4	14
	risk category in accordance with Pressure Equipment Guideline		GIP	I	I
	weight without water	kg	24	33	66
	water capacity	l	0,91	1,99	3,86
	operating overpressure max.	bar	40	40	40

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

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