

CERTUSS

Steam Generators



Junior SC
 Steam Output
 80-600 kg/h

Further Available Products

CERTUSS Steam Generators Universal Range

Construction Group	Capacities Steam kg/h	Firing
5	700 - 850	oil, gas or combination
6	1000 - 1300	
7	1500 - 1800	

CERTUSS Steam Generators Electrical Range

Type	Capacities steam kg/h	Heating
E 6 - 72	8 - 97	electrical
E 100	135 - 160	

CERTUSS PARCOVAP® Condensate Heat Recovery

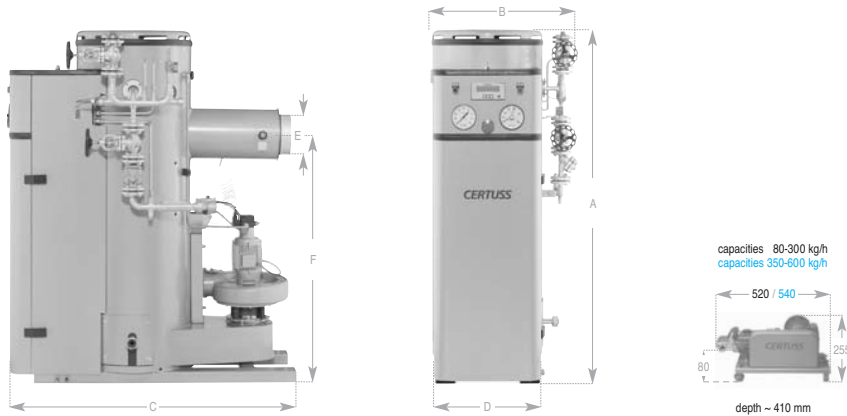


CERTUSS CVE Package plant unit



CERTUSS Plants for Water Treatment





Design Advantages

- space saving
- installation without foundation support
- robust steel fabrication
- patented uninsulated air cooled, double cover
- air intake from the top creating good air circulations within the boiler-house
- integrated, low emission CERTUSS burner system
- noise and vibration reduction, anti-vibration mountings
- economical fast energy transfer reducing radiation losses
- vertical expansion free centrally suspended heat exchanger with low position blowdown
- replaceable evaporation section
- easy and quick cleaning of the heat exchanger, without removal
- operation without supervision
- full or partial installation on request
- exemplary customer service and spare parts availability

Technical Data

Construction Group	Capacities			Stages	Pressures		Consumption			Measurements (~ mm)					Weight kg	Connections						
	steam output kg/h	heat output kW	heat input kW		working pressure max. MPa (bar)	max. admissible pressure MPa (bar)	oil (EL) kg/h	natural gas m ³ /h	liquid gas m ³ /h	height A	width B	depth C	steam generator Ø D	flue gas tube Ø E		flue gas (center) F	electrical connection kW	oil connection DN	natural gas DN	liquid gas DN	feed water connection DN	steam connection DN
1	80	53	58	1	0.8-1.4-2.2-2.9 (8-14-22-29)	1.0-1.6-2.5-3.2 (10-16-25-32)	4.9	5.8	2.2	1500	650	1210	500	180	1050	320	1.75	3/8"	20	20	1 1/4"	15
	120	79	87				7.4	8.7	3.4													
2	150	99	109	1	0.8-1.4-2.2-2.9 (8-14-22-29)	1.0-1.6-2.5-3.2 (10-16-25-32)	9.2	10.9	4.2	1580	725	1375	560	200	1120	420	1.9	3/8"	32	20	1 1/4"	20
	200	131	145				12.3	14.5	5.6													
3	250	164	182	1	0.8-1.4-2.2-2.9 (8-14-22-29)	1.0-1.6-2.5-3.2 (10-16-25-32)	15.3	18.2	7.1	1850	805	1510	640	250	1360	520	2.0	3/8"	40	20	1 1/4"	25
	300	196	218				18.4	21.8	8.4													
	350	230	255				21.5	25.5	9.9													
	400	262	291				24.5	29.1	11.3													
4	500	328	364	2	0.8-1.4-1.8-2.2-2.9 (8-14-18-22-29)	1.0-1.6-2.0-2.5-3.2 (10-16-20-25-32)	30.6	36.4	14.1	1980	870	1630	700	250	1460	950	3.6	3/8"	50	25	1 1/4"	32
	600	393	436				36.8	43.6	16.9													

Reference values: Natural gas at 10 kW/Nm³ - 8600 kcal/Nm³, liquid gas at 25.8 kW/Nm³ - 22200 kcal/Nm³.

Measurements and weights are rounded up or off. MPa and bar are overpressure values.

For positioning purposes lateral fittings are detachable. **Delivery complete with water pump.**

Output values stated are related to 100°C feed water temperature with 1 MPa (10 bar) steam overpressure.

CERTUSS construction group 4 also available with combination burner oil / natural gas.

CERTUSS burner with flue gas return (NO_x reduction) optional.

Rights reserved for technical alterations.

**CERTUSS steam generators oil / gas, single or in combination
meet all requirements within seven construction groups**

Universal range 700 - 1800 kg/h and electrical 8 - 160 kg/h
Please ask for brochure

1 MPa (10 bar) = 145 psi
10 psi = 0.069 MPa (0.69 bar)

1 kW = 3413 BTU
1000 BTU = 0.293 kW

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