

CERTUSS

Steam Generators

CERTUSS steam generators range from 6 Hp to 128 Hp and pressures up to 420 psi within a minimal footprint. Various fuel types from lpg, natural gas, #2 oil or dual fuel. CVE unit offers all necessary water treatment in one compact body. Package container units come pre-piped, pre-wired and factory tested.



German engineering



Expert team



Global company



Energy efficiency



Cross-industry experience



Aftersales Support



By using the water tube boiler principle, the CERTUSS technology for generating steam offers maximum safety, reliability and instant availability of high quality steam.

ADVANTAGES

- **Virtually INSTANTANEOUS:** Cold start to **100% steam in 3 -5 minutes!**
- **SPACE SAVINGS:** Less than **HALF** the size of traditional steam boilers
- **HIGHLY EFFICIENT:** Up to **90%** thermal efficiency with the economizer option
- **PARTS AVAILABILITY:** Common wear parts for **YOUR** Certuss boiler stocked and sold through J Lorber's 3 convenient locations. Parts availability guaranteed for **20 years!**
- **FULLY AUTOMATED!** Unmanned operations capability
- **Virtually NO WATER CONTENT!**
- **AIR-INSULATED!** No insulation to break down. Mildly warm to the touch at 100% full fire
- **NON-HAZARDOUS OPERATION:** Place in work areas, warehouses, or outdoors in a containerized steam plant
- **FACTORY SUPPORT & SYSTEM MONITORING:** 24/7/365 days a year
- **REMOTELY OPERABLE** by WiFi, Ethernet, or GSI (Cellular). I-Phone or I-Pad
- **ENVIRONMENTALLY FRIENDLY:** Less water usage, less blowdown, less pollution
- **CVE UNIT:** The entire boiler plant **SKID-MOUNTED** and **CUSTOMIZED** for **YOUR** application
- **PROVEN STRESS-FREE RELIABILITY!**
- J Lorber in business since **1918**
- Certuss since **1957**
- **More than 13,000 Certuss boilers currently in operation in over 127 countries!**



Junior TC



Universal TC



Supply Unit CVE



Container Unit

	Junior TC								Universal TC							
Model number	80	120	150	200	250	300	350	400	500	600	700	850	1000	1300	1500	2000
Steam output (lb/h)	176	265	331	400	551	661	772	882	1102	1322	1543	1874	2204	2866	3307	4409
Heating Capacity (BHP)	6	8	10	13	16	20	23	26	32	39	45	55	64	83	96	128
MBH at 212°F	171.33	256.69	320.87	427.82	534.78	641.74	748.69	855.65	1,069.56	1,283.47	1,497.39	1,818.25	2,139.12	2,780.86	3,850.42	4,278.25
Fuels	Natural Gas / LPG / #2 Oil															
Time to Steam	3 minutes								5 minutes							
Working Pressures (psi)	10 – 421															
Height x Width x Depth (inch)	59 x 25 x 48		62 x 28 x 54		73 x 32 x 59		77.95 x 36.6 x 63		90.16 x 45.6 x 73.6		99.8 x 49.6 x 83.6		105.3 x 54.3 x 90.9			
Available containerized	yes															

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CUSTOMER CASE STUDY

Yards Brewing Co., Philadelphia, Pennsylvania

REQUIREMENTS

The equipment would need to supply a facility of 100,000 barrels annual minimum capacity and expandable up to 250,000 barrels with a steam production requirement of 16 hours a day, 5 days a week.

APPLICATION

Yards Brewing Co. currently produces 16 different ales.

SOLUTION

2 Universal TC 2000 natural gas with 128 BHP each, as well as a CERTUSS Supply Unit CVE (ready provided for a further expansion with a Junior TC 400 with 26 BHP).

THE SUPPLY

In August 2016 CERTUSS America were invited to tender for a project supplied through their local Sales & Service Partner J. Lorber Company Inc.

The details of the scope of supply and commissioning concerned the planned moving of Yards Brewing into their new location. The moving was considered necessary as the existing location did not allow the planned expansion, with a minimum requirement of redoubling the existing capacity. Likewise, Yards was eager to increase the production efficiency.

Moving and supply of the equipment had to be carefully planned, in order to foresee a brief period of overlap to ensure a consistent supply of the highly demanded Yards ales to the market, taking into consideration that part of the old equipment (such as the keg filler, the bottle filler and fermentation vessels) would be further used, whereas the brewhouse, the outdoor CCT's, filters and yeast handling, as well as the canning line would be notably new.

The equipment would need to supply a min. of 100,000 barrels/year facility, with a fuel supply of natural gas and steam production requirement of 16 hours a day, 5 days a week. The complete equipment is in a line, with space allotted for the third generator. The steam produced serves all applications, out of which approx.80% is consumed in the brewhouse and the rest almost equally shared between cold-block CIP and the keg line.

In February 2017 CERTUSS received through their local sales and service partner J.Lorber Company an order for the supply of the equipment with full commissioning of the plant taking place after the completion of the brewery installation in June 2017.

Head Brewer of Yards Brewing Company Mr. Tim Roberts stated that, "besides the efficiency of the units, we really liked the small footprint, modular design, and the ability to replace the heat exchanger on the units in case of problems".

