

## The cleanH2steam Dynamic Combustion Chamber (DCC™)

Hydrogen Technologies' Dynamic Combustion Chamber (DCC™) is a breakthrough boiler that uses the reaction of hydrogen and oxygen to create high value steam without generating any air pollutants. Since no air is introduced into the system, it does not require a smokestack or any other energy dissipating exhaust and is greater than 20% more efficient in fuel usage than most currently deployed steam boilers.

### Key Features:

- ZERO emission design
- >95% efficient
- Steam and hot water output
- Hazards Analysis Certified
- ASME, UK, and EU code compliant
- Tube-fired steam condensing boiler
- Endorsed by San Joaquin Unified Air Pollution Control District, California, USA



	DCC™ 3000	DCC™ 6000	DCC™ 28K*
<b>STEAM OUTPUT RATE</b>	3,000 Kg/hr 6,600 lbs/hr 3 metric tons/hr	6,000 Kg/hr 13,200 lbs/hr 6 metric tons/hr	28,000 Kg/hr 61,600 lbs/hr 28 metric tons/hr
<b>OUTLET PRESSURE</b>	Up to: 40 bar / 580 psi		
<b>STEAM TEMPERATURE</b>	Up to: 400°C / 752°F	Up to: 400°C / 752°F	Up to: 400°C / 752°F
<b>H2 FUEL CONSUMPTION</b>	Up to: 62 Kg/hr 137 lbs/hr	Up to: 123 Kg/hr 270 lbs/hr	Up to: 615 Kg/hr 1,350 lbs/hr
<b>O2 FUEL CONSUMPTION</b>	Up to 496 Kg/hr 1,096 lbs/hr	Up to 984 Kg/hr 2,160 lbs/hr	Up to 4,900 Kg/hr 10,780 lbs/hr
<b>DIMENSIONS m (L x W x H)</b>	8.20 x 5.64 x 7.65 m	11.00 x 6.10 x 7.80 m	TBD
<b>DIMENSIONS ft (L x W x H)</b>	26'11" x 18'6" x 25'1"	36'1" x 20'0" x 25'7"	TBD
<b>APPROXIMATE POWER PRODUCTION EQUIVALENT</b>	To produce sufficient steam to drive a 0.5MW steam turbine genset.	To produce sufficient steam to drive a 1.0MW steam turbine genset.	To produce sufficient steam to drive a 5.0MW steam turbine genset.

\*Available 4Q 2022

