

Capstone Microturbine

Steam Solutions



Microturbine Steam Recovery

Heat Recovery Steam Generators (HRSG) are specifically designed to recover the exhaust heat from Capstone microturbines for use in an array of process steam applications. The HRSG includes an internal exhaust bypass damper and optional duct burner to produce and modulate high pressure steam, while maintaining ultra-low exhaust emissions and high fuel efficiencies. System efficiency can be further boosted by utilizing the excess heat to generate additional hot water for other local processes.

Features

- + Ultra-low emissions
- + Achieve overall system efficiencies of up to 90%
- + Produces between 3 and 500 psig steam
- + Provides over 30,000 PPH of steam with optional duct burner
- + N+1 boiler redundancy with optional dual-fuel duct burners
- + Capable of 100% turndown
- + ASME steam safety valve
- + Modulating stainless steel exhaust bypass damper



Exhaust Steam Generator

Turbine Output (kW)	1000	800	600	400	200
Steam Capacity with Duct Burner (lbs/hr)	32,000	25,950	19,675	13,175	6,650
Steam Capacity Unfired (lbs/hr)	3,870	3,120	2,365	1,555	795

Note: At full power and ISO conditions