

# PURE STEAM GENERATORS

## OVERVIEW:

- Designed and built in accordance with cGMP requirements
- All components manufactured by MECO in the U.S. (spare parts available)
- Efficient component layout allows for ease of maintenance and calibration
- Customizable to customer specifications for valves, instruments, and other mechanical components
- Optional complete SAT package and execution
- Supported by MECO 24-hour customer service
- Backed by warranty

## PRODUCT HIGHLIGHTS:

### Standard Features

- Unit is completely piped, wired, and assembled on a single skid at the factory
  - Fully functional FAT
  - Reduces installation costs and startup time
- Natural circulation evaporator
- Reduces scale effects
- No circulation pumps or spray nozzles required
- Available in both vertical and horizontal configurations
  - Minimal floor space required for vertical generators
- Utilizes 3 stage separation technology
- Sanitary construction and connections on product contact surfaces



- PID loop control of feed water level and pure steam pressure
- PLC based controls
- Optional feed water preheating and/or deaeration
- Optional steam quality sampling system

### Equipment Details

- Double tubesheet heat exchangers
- Sloped piping and low point drains on product piping
- Minimum deadlegs on product piping
- 316/316L SS process contact components
- Premium valves and instruments
- Stainless steel air lines
- Stainless steel hardware
- 304 SS cladding

### VERTICAL CONFIGURATION

MODEL	CAPACITY in LBS/HR [KG/HR]
CS280V	200-330 [91-150]
CS550V	340-570 [154-259]
CS800V	630-1,000 [286-454]
CS1700V	1,100-1,800 [499-816]
CS4000V	2,480-4,100 [1,125-1,860]
CS6600V	4,050-6,550 [1,837-2,971]
CS8100V	6,000-8,400 [2,722-3,810]

### HORIZONTAL CONFIGURATION

MODEL	CAPACITY IN LBS/HR [KG/HR]
CS5900H	2,780-6,660 [1,261-3,021]
CS10000H	4,720-11,310 [2,141-5,130]
CS13000H	6,400-15,310 [2,903-6,944]

*Notes: Pure steam capacities are dependent upon both the plant steam pressure provided and the pure steam pressure required. The capacity ranges shown above are based on 100-116 PSIG (6.9-7.6 BARG) plant steam pressure and 40-60 PSIG (2.8-4.1 BARG) pure steam pressure. A feed water temperature of 180°F (82°C), without the use of a feed heater, was also assumed.*