4.5 mmbtu Containerised Rigsafe Steam Generator



Description

Centurion Power & Equipment has an extensive fleet of steam generators providing outputs up to 4.5 mmbtu. Our steam generators are an ideal solution for standby or replacement of customers own boiler for onshore and offshore use. They can also support well test, refinery and decommissioning application.

The steam generators can be coupled to the Centurion Power & Equipment heat exchanger to give a complete heating solution.

The units are enclosed in purpose-built containers that house the control system, water, and fuel tanks. A remote emergency shutdown facility is available ensuring instant safe shutdown should methane, propane and H_2S gas or a similar hazard be detected or encountered.

Key Features

- Three-pass, wet-back design boiler with low external temperatures
- Boiler designed to ASME or BS boiler vessel codes
- Containers built to BS7072 and DNV 2.7-1
- Compact self-contained design - size of a 20ft shipping container
- Water, condensate returns and fuel storage tanks mounted within the container
- Dual water pump (duty and stand-by)
- Internal spark arrestor
- Remote emergency shutdown facility
- Steam package ships with a certified steam hose and fittings package
- Experienced offshore service technician(s) for operational and maintenance assistance

Options

Dual fuel capacity



Technical Specifications

Performance	
Saturated steam flow	2,000 kg/hr
Capacity	4.5 mmbtu
Working pressure	150 PSIG, 10.34 barg
Max steam temperature	186°C
Fuel tank	1,035 litres
Water tank	1,035 litres
Fuel consumption	142.7 litres/hr
Full load running	7.2 hrs
Water consumption	2,000 kgs per hour
Water quality	Potable Water (Minimum)
Build specification	BS 2790 & ASME 1
Power supply	380 / 480 Volts 50 / 60 HZ
Electrical Main Circuit Breaker	32 amps
Start-up power requirement	30 amps
Power Supply Connection	4 pin 3Ph 415 V
Steam Outlet Connection	1 x 2” Hammer Union Fig 206
Returns Line Connection	1 x 2” Hammer Union Fig 206
Water Supply Connection	1 x ¾” Crows Foot

Lifting Specifications, Weights, and Dimensions	
Lifting specifications	DNV 2.7-1
Length	6,058 mm
Width	2,438 mm
Height	2,896 mm
Weight (kg dry)	11,000 kg
Weight (kg operating)	14,000 kg
Safety Features	
Emergency fuel cut off	
Low water alarm	
Low water cut off	
External Emergency Stop	
Anti-slip flooring	

Note: The above referred specifications are our minimum standard and for guidance purposes only. For steam generator specific information applicable to comply with region specific standards, please consult your local Centurion Power & Equipment representative.

Technical drawings available on request: P&ID, GA.

For more information on Steam Generators, please contact your local Centurion Power & Equipment representative or email us at CPEUK@centuriongroup.co.uk.