

## 10,000 PSI Heat Exchanger



### Key Features

- 4.2 Mmbtu 'sour gas' service
- Coil Design -20°C to +121°C
- Steam Inlet / Condensate outlet 2" Hammer Unions Fig. 206
- Inlet / Outlet Product 3" Hammer Unions Fig. 1502
- Rupture Disk and Safety Valves fitted
- Service H2S NACE MR-01-75
- Fully automatic temperature control
- Maximum Steam input 10 barg at 180°C
- Frame built to DNV 2.7-1

### Description

Centurion Power & Equipment Heat Exchangers, used to heat a number of fluids found in oil and gas production, consist of a pressurised shell containing a set of process coils. Steam is piped from an external steam generator into the shell to heat the process fluid flowing through the process coils.

Our range of portable frame mounted 10,000 PSI Heat Exchangers are often used in conjunction with surface well testing applications and pipeline cleaning worldwide to complete the package of heat transfer during well test and chemical cleaning operations.

### Options

- Inline choke valve
- Product line crossovers
- Comprehensive service pack
- Experienced offshore service technician(s) for operational and maintenance assistance

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## Technical Specifications

Performance	
Capacity	4.2 Mmbtu
Flow Rate	5,000 bbls/d
Working Pressure – Steam	150 PSIG 10.3 barg
Working Pressure – Product	10,000 PSIG 689.47 barg
Shell Design Temperature	-20° to +180°C
Inlet Manifold Working Pressure	690 barg
Coil Design Temperature	-20° to +120°C
Product Inlet	3" Hammer Union Fig. 1502
Product Outlet	3" Hammer Union Fig. 1502
Process Coil Size	3" NB rated to 10,000 psi
Coil Passes	8 Upstream / 8 Downstream
Service Duty	H <sub>2</sub> S ACE MR-01-75
Maximum Steam Inlet Pressure	150 psi
Steam Pipework Rating	0°C to 180°C
Safety Features	
Safety Relief Valve	10.2 barg
Rupture Disc	11.2 barg at 180°C

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#### Lifting Specification, Weights & Dimensions

Lifting Spec	DNV 2.7-1
Length	7,191 mm
Width	1,980 mm
Height	2,590 mm
Weight (kg dry)	12,000 kgs
Max Gross Weight	12,000 kgs
Shipping Weight	12,000 kgs

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

For more information on Heat Exchangers, please contact your local Centurion Power & Equipment representative or email us at [CPEUK@centuriongroup.co.uk](mailto:CPEUK@centuriongroup.co.uk).



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