

## Datasheet

# 10000 PSI Heat Exchanger

RentAir Offshore 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.

RentAir Offshore range of portable frame mounted 10000 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.



### Features:

- 4.2 Mmbtu 'sour gas' service
- Coil Design -20°C - +121°C
- Steam Inlet / Condensate outlet 2" Hammer Unions Fig 206
- Inlet / Outlet Product 3" Hammer Unions Fig 1502
- Inlet / Outlet Valve Cameron 3.1/16"
- Rupture Disk and Safety Valves fitted
- Service H2S NACE MR-01-75
- Fully automatic temperature control
- Maximum Steam input 10barg @ 180°C
- Frame built to DNV 2.7-1

### Options:

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

## Technical Specifications

### 10000 PSI Heat Exchanger

#### Performance

Capacity	4.2 Mmbtu
Flow Rate	5,000 bbls/d
Working Pressure - Steam	150 PSIG 10.34 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	4"NB rated to 10,000 psi
Coil Passes	8 Upstream / 8 Downstream
Service duty	H2S ACE MR-01-75
Maximum steam inlet pressure	150 psi
Steam Pipework Rating	0° to 186°C

#### Lifting Specification, Weights & Dimensions

Lifting Spec	DNV 2.7-1
Length	7191 mm
Width	1980 mm
Height	2590 mm
Weight (kg dry)	12,000kgs
Max Gross weight	12,000kgs
Shipping Weight	12,000kgs

#### Safety Features

Safety relief valve	10.3 barg
Rupture disc	11.2 bar g at 180°C

For more information on Heat Exchangers please contact your local RentAir representative or email [sales@coatesoffshore.com](mailto:sales@coatesoffshore.com)

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 RentAir representative.

Technical drawings available on request. P&ID GA

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