

Datasheet

15000 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 and 15000 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:

- 4.5 Mmbtu 'sour' service
- Coil Design -20°C - +121°C
- Steam Inlet / Condensate outlet 2" WECO Fig 206
- Inlet / Outlet Product 3" WECO Fig 2202
- Inlet / Outlet Valve 4"
- 6"x10" Safety Relief Valve ~1 10.2bar
- 6"x10" Safety Relief Valve ~2 11.2bar
- Service H2S NACE MR-01-75
- Fully automatic temperature control
- Maximum Steam input 10barg @ 180°C

Options:

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

Technical Specifications

15000 PSI Heat Exchanger

Performance

Capacity	4.2 Mmbtu 5,000 bbls/d
Working Pressure - Steam	150 PSIG 10.34 barg
Working Pressure - Product	15,000 PSIG 1034.21 barg
Shell design temperature	-20 to +180°C
Inlet manifold working pressure	690 barg
Coil design temperature	-20 to +120°C
Product Inlet	3" WEGO fig 1502
Product Outlet	3" WEGO fig 1502
Process coil size	4" rated to 15,000 psi
Service duty	H2S NACE MR-01-75
Maximum steam inlet pressure	150 psi
Steam Pipework Rating	0°C to 186°C

Lifting Specification, Weights & Dimensions

Lifting Spec	DNV 2.7-1
Length	7,900 mm
Width	2,200 mm
Height	2,650 mm
Weight (kg dry)	17,500kgs
Max Gross weight	17,500kgs
Shipping Weight	17,500kgs

Safety Features

Safety relief valve	10.2 barg
Rupture disc	11.2 barg at 180°C

For more information on Heat Exchangers please contact your local RentAir Offshore representative or email offshore@rentairoffshore.com

Note: The above referred specifications are our minimum standard and for guidance purposes only. For Sand Filter specific information applicable to comply with region specific standards please consult your local RentAir Offshore representative.

Technical drawings available on request. P&ID GA

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