

Datasheet

15000 PSI Sand Filter RS H₂ S

RentAir Offshore rental fleet of sand filtration units are provided to enhance the well test packages in common use in the oil and gas industry. They improve well analysis during testing operations through the effective removal of sand and other solids from the well fluids.

The sand filters consist of two vertical pots that each hold an inner filter element. The pots can be controlled individually to allow single or dual usage. Primarily the pots are used in a duty and standby mode whereby one pot is operational while the second pot is being cleaned.

Each sand filter is supplied with its own containerised spares package which holds a comprehensive spares package, sand skip and additional filter elements.

Features:

- Modular and rugged filter design
- Standard 200 micron filter elements supplied
- Annular flow and sand storage
- Safe and quick cleaning features
- Vertically positioned gate valves (to avoid gate obstruction)
- Fitted with back up valves
- Frame built to DNV 2.7-1
- H₂ S Service
- Built in Lifting Beam for cartridge removal and replacement
- Dedicated service & support container

Options:

- 50 / 800 micron filter elements
- Additional valves
- Connection Cross Overs
- Experienced offshore service technician(s) for operational and maintenance assistance



Technical Specifications

15000 PSI Sand Filter RS H₂ S

Performance

Capacity - Max Dry Gas Flow	50 Mmscf/d
Capacity - Max Liquid Flow	5,000 bbls/d
Working Pressure	15,000 PSIG / 1034.21 bar g
Design Temperature	-29° to +121°C
Max advisable Delta P screen	25 bar g / 360 PSIG
Volume filter screen	47 litre
Inlet	3" fig. 2202 female Hammer Union
Outlet	3" fig. 2202 male Hammer Union
Internal connections	flanged 3.1/16" x 15.000

Lifting Specification, Weights & Dimensions

Lifting Spec	DNV2.7-1
Length (transport)*	4,300 mm
Width (transport)*	2,500 mm
Height (transport)*	2,650 mm
Length (Op)	2,500 mm
Width (Op)	2,500 mm
Height (Op)	7,100 mm
Weight (kg dry)	15,000 kg
Element standard length	2,250 mm
Standard element size	200 micron
Equivalent flow area	700 cm ²
Element Burst pressure	190 bar g

**Note - This unit is normally transported on its side*

For more information on Sand Filters 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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