

Datasheet

10000 PSI Sand Filter RS H₂S

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 holds an inner filter cartridge. 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 filter cartridges

Features:

- Modular and rugged filter design
- Standard 200 micron filter cartridge 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
- H₂S 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

10000 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	10,000 PSIG 689.47 barg
Design Temperature	-29°C to +121°C
Max advisable Delta P screen	25 barg / 360 PSIG
Volume filter screen	47 litre
Inlet	3" fig. 2202 female WEGO union
Outlet	3" fig. 2202 male WEGO union
Internal connections	flanged 3.1/16" x 10.000

Lifting Specification, Weights & Dimensions

Lifting Spec	DNV2.7-1
Length (transport)	4,100 mm
Width (transport)	2,135 mm
Height (transport)	2,630 mm
Length (Op)	2,135 mm
Width (Op)	2,135 mm
Height (Op)	7,540 mm
Weight (kg dry)	9,500 kg
Screen std length	2,250 mm
Std screen size	200 micron
Equivalent flow area	700 cm ²
Burst pressure screen	190 barg

**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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