

Dual Pot Sand Filter (Type B-HPHT)

Product Code | DSF-B-HPHT

Features

- Separates sand and other solid particles from the well stream
- Dual pot system with high pressure by-pass and dual isolation valves
- Switching flow between pots for continuous sand removal
- Telescopic lifting support for convenient filter replacement
- Hub connection on pot vessels for filter replacement & maintenance
- Water connection for sand flushing
- Optional Sandbox for sand disposal

Benefits

- Simple to operate
- Eliminates erosion on choke manifold and downstream process equipment
- Enables high rate well testing
- Allows representative sand sampling and sand production rate estimation

Wellhead sand filtration is established as an industry standard technique for sand and solids removal upstream of the choke manifold during well testing, frac-flowback and well clean-up operations.

The principle of sand filtering is well understood, with the minimum size of the separated sand particles determined by the slot size in the sand filter in each pot which are available in a range from 100 to 800 microns. Continuous operation is achieved by switching the flow between the two pots and draining the collected sand from the bottom of the pot that is isolated from the flow.

The Type B-HPHT Sand Filter is configured for the well to flow through the sand filter from the outside with the sand collecting in the annulus between the vessel and filter.

The Sand Filter can be flushed by using a 2" line connection mounted on the inlet piping of vessel. The water flushes the outside diameter of the screen into a 3" drain line for collection of the solids.

→ See overleaf for technical information





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PRODUCT CODE

Model	Hunting DSF-B 4-1/16" 15K
Service	H2S
Fluid Class	DD
Working Pressure psi [bar]	15,000 [1035]
Working Temperature °C [°F]	-29 [0] up to 180 [350]
Filter Sizes [mu]	100 up to 800
Filter Volume - liter	82 liter
Filter Flow Direction	inside → outside
Maximum Filter ΔPpsi [bar]	1,800 [125]
Flow Capacity⁽¹⁾	
Gas, Mmscf [m ³ / day]	120 [3.400.000]
Oil, bbls /day	24.000
Standard Connections⁽²⁾	
Gas / Oil Inlet	API Flange 5-1/8" 15K
Gas / Oil Outlet	API Flange 5-1/8" 15K
Water Flush	API Flange 2-1/6" 15K
Drain	API Flange 3-1/6" 15K
Operational Footprint LxB cm	515 x 290 (Base frame)
Transport Size LxBxH cm	2x 20ft Container (619x260x290) + Base frame
Weight, kg [lbm]	2x 16.000 [2x 35.000]
Certifications	
Design	Type Approval
Manufacturing	Declaration of Conformity
Documentation	Quality File
Applicable Codes	PED 2014/68/EU
	ASME B31.3
	ASME VIII div.3
	API 6A
	NACE MR 01-75 (ISO 15156-1,-2)
	DNV 2.7-1
	DNV-OS-E101
NORSOK D-007, Z-015	

NOTES

(1) Flow capacity is dependant on many factors. Please contact Hunting for advice.

(2) Connections cross-overs can be added as per customer requirements.