

## Dual Pot Sand Filter Type B

Product Code | DSF-B

### 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
- Quick union on pot vessels for rapid filter replacement & maintenance
- Optional water jet sand flushing system

### 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 Hunting Dual Pot Sand Filters are available in a broad range of sizes and configurations, up to 20,000psi WP. These products are in service globally with major production testing companies.

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 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 2" drain line for collection of the solids.

→ See overleaf for technical information



# Dual Pot Sand Filter (Type B)


**PRODUCT CODE**      **DSF-B**

<b>Model</b>	Hunting DSF-B 10K	Hunting DSF-B 10K HV
<b>Service</b>	H2S	H2S
<b>Fluid Class</b>	DD	DD
<b>Working Pressure psi [bar]</b>	10,000 [690]	10,000 [690]
<b>Working Temperature °C [°F]</b>	-29 [0] up to 180 [350]	-29 [0] up to 121 [250]
<b>Filter Sizes [mu]</b>	100 up to 800	100 up to 800
<b>Filter Volume - liter</b>	62 liter	82 liter
<b>Filter Flow Direction</b>	outside → inside	outside → inside
<b>Maximum Filter ΔPpsi [bar]</b>	1,500 [100]	1,500 [100]
<b>Flow Capacity<sup>(1)</sup></b>		
Gas, Mmscf [m <sup>3</sup> / day]	50 [1.500.000]	100 [3.000.000]
Oil, bbls /day	5000	8000
<b>Standard Connections<sup>(2)</sup></b>		
Gas / Oil Inlet	API Flange 3-1/16" 10K	API Flange 4-1/16" 10K
Gas / Oil Outlet	API Flange 3-1/16" 10K	API Flange 4-1/16" 10K
Drain	Union 2" Fig.1502	Union 2" Fig.1502
<b>Operational Footprint LxB cm</b>	240 x 277	250 x 280
<b>Transport Size LxBxH cm</b>	402 x 240 x 277	500 x 250 x 280
<b>Weight, kg [lbm]</b>	11.000 [24.250]	15.000 [33.069]
<b>Certifications</b>		
Design	Type Approval	DVR
Manufacturing	Declaration of Conformity	Declaration of Conformity
Documentation	Quality File	Quality File
<b>Applicable Codes</b>	PED 97/23/EC	PED 97/23/EC
	ASME B31.3	ASME B31.3
	ASME VIII div.2	ASME VIII div.2
	API 6A	API 6A
	NACE MR 01-75 (ISO 15156-1,-2)	NACE MR 01-75 (ISO 15156-1,-2)
	DNV 2.7-1	DNV 2.7-1

**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.