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 be 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
## TECHNICAL INFORMATION

### Dual Pot Sand Filter (Type B)

**PRODUCT CODE** | **DSF-B**
---|---
**Model** | Hunting DSF-B 10K / Hunting DSF-B 10K HV
**Service** | H2S / H2S
**Fluid Class** | DD / DD
**Working Pressure psi [bar]** | 10,000 [690] / 10,000 [690]
**Working Temperature °C [°F]** | -29 [0] up to 180 [350] / -29 [0] up to 121 [250]
**Filter Sizes [μ]** | 100 up to 800 / 100 up to 800
**Filter Volume - liter** | 62 liter / 82 liter
**Filter Flow Direction** | outside → inside / outside → inside
**Maximum Filter ΔPpsi [bar]** | 1,500 [100] / 1,500 [100]

### Flow Capacity

- **Gas, Mmscf [m³ / day]**: 50 [1,500,000] / 100 [3,000,000]
- **Oil, bbls /day**: 5000 / 8000

### Standard Connections

- **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

- **Operational Footprint LxB cm**: 240 x 277 / 250 x 280
- **Transport Size LxBxH cm**: 402 x 240 x 277 / 500 x 250 x 280
- **Weight, kg [lbm]**: 11,000 [24,250] / 15,000 [33,069]

### Certifications

- **Design**: Type Approval / DVR
- **Manufacturing**: Declaration of Conformity / Declaration of Conformity
- **Documentation**: Quality File / Quality File
- **Applicable Codes**:
  - 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.