



SAND SEPARATOR

Remove Destructive Sand and Sediment from Wellstreams

Key Benefits

- **Protect your equipment** from erosion and plugging by efficiently removing destructive sand and other sediment from the wellstream.
- **Optimize safety** with flanged connections and the latest ASME standards code stamped on the unit ensuring consistent design and construction.
- **Safeguard investment** with 12-month warranty from startup date or 18-month warranty from delivery date.
- **Get fast, professional service and support** from our local technicians with spare parts in every major oil & gas producing area.

Standard Features

- Raised-face or ring-type joint flanged connections
- 2 ¼ inch thick vertical sand impingement plate
- Flanged relief valve connection
- Flanged sand outlet drain

OVERVIEW

The Exterran Production Solutions™ Sand Separator is a sturdy, pre-engineered, pressure vessel designed to separate and remove sand and other sediments from natural gas and liquid wellstreams.

Protect your equipment and maximize production time with our first-class sand separator that helps prevent erosion, plugging and other problems associated with sand and sediment in wellstreams.

HOW IT WORKS

As the wellstream enters the vessel, its velocity is reduced by a deflector to facilitate content separation. The slowed stream contacts the impingement plate, which redirects the liquid and gas to the wellstream outlet of the vessel. Gravity forces the particulate to descend and collect at the bottom of the vessel.

The hydrocarbon stream is now free of heavy particulate and ready for further processing without damaging or plugging downstream production equipment. The captured sand and sediment are regularly discharged via the outlet drain on the bottom of the vessel.

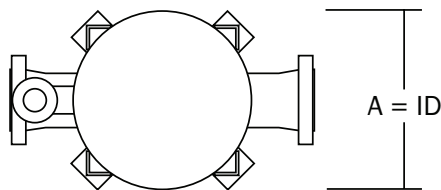


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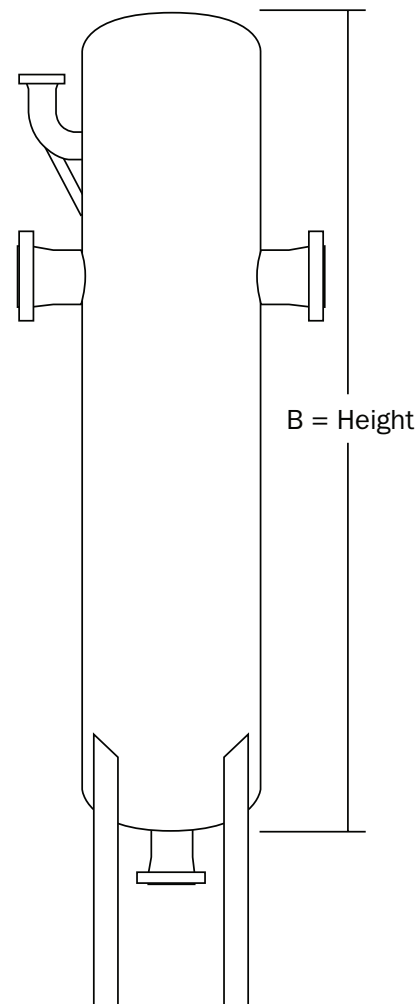
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DIMENSIONS

Top View



Side View



Precise measurements for freight permits should be confirmed prior to shipping.

Standard Specifications		
A ID (in)	B Height (ft)	Shut-in Pressure (psig)
16	6	3500
20	6	3500
24	8	3500
30	8	3500

Shown here are standard shut-in pressure ratings - alternate pressure ratings are available; see Options Checklist.

Sizing Requirements		
Gas Flow	Rate (MMscfd)	
	Pressure (psig)	
	Specific Gravity	
Oil Flow	Rate (bpd)	
	Specific Gravity	
Water Flow	Rate (bpd)	
	Specific Gravity	
MAWP	(psig)	
Sour Service	Yes/No	
	CO ₂ (mol%)	
	H ₂ S (ppm)	
Skid Mounted	Yes/No	
Standard Paint	Yes/No	

Contact an Exterran sales representative or email PEQ.Proposals@exterran.com to submit sizing information and obtain a quote.

Options Checklist

- Alternate shut-in pressure ratings from 1440 to 10,000 psig
- Rugged L-shaped skid for easy mobility and quick installation
- Removable sacrificial inlet nozzle insert
- Blowdown sand removal valves and chokes

Notes



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