

Simply clean condensate.

Introducing the Sepura STERLING

SEP 60 ST Oil Water Separator

by nano-purification solutions

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Only nano could give you this much performance in such a small package. The innovative STERLING filtration media in the SEP 60 ST oil water separator gives it the ability to out perform separators four times it's size. And the benefits don't stop there. No more maintenance. No pre-soaking. No messy carbon bags to replace. No oil collection containers to empty. No settling tanks to clean. Simply clean condensate. The SEP 60 ST is the first disposable oil water separator of its kind. With a media life of up to 8000 hours, install it and forget about it.

Advanced STERLING filter media

Traditional oil water separators use activated carbon which is messy and requires pre-soaking, a long contact time, and frequent replacement. The SEP 60 ST is a new approach to oil water separation using a new, advanced, proprietary, non-carbon based media in a disposable cartridge.

Unrivalled performance - even on synthetic oils

The SEP 60 ST doesn't need a settling tank like traditional separators which means no sensitivity to oil or drain type. Synthetic oil? Emulsified mixture? No problem.

Easy to size

Sizing a traditional separator often requires that you consider condensate flow, ambient conditions, compressor type, oil type, pressures, temperatures, and other equipment. The Sepura oil water separators can be sized quickly and easily based on just the air or gas flow. Nothing else!

Easy to install

Traditional separators use big heavy settling tanks that need level floors and can't be moved. The SEP 60 ST can be mounted on a wall or a compressor housing - anywhere. And unlike carbon, the STERLING media bags require no pre-soaking - your separator is ready to use, right out of the box. Push fit inlet and outlet connections simplify things even further.

Easy to maintain

There is no settling tank to clean, and no oil collection container to empty. When it is time to replace it, just seal it with the included cap and dispose of it. The oil is trapped in the cartridge.



Experience. Customer. Service... n-psi.

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Up to 99% of condensate discharged from the average compressed air system or gas system is water. The nano SEP 60 ST oil water separator uses STERLING filtration media to separate the oil and lubricants from the water. This innovative, technologically advanced and proprietary media is non-carbon based and 100% recycled. It actively absorbs the oil while repelling the water, providing outlet oil concentrations down to 5 ppmv or less so the remaining water can go safely down the drain ⁽¹⁾.

Condensate from a compressor, refrigeration dryer, cooler, filter, or any other drain point can be piped directly to the SEP 60 ST oil water separator and attached using the simple push to connect fittings. First it passes through the primary filter where the condensate is depressurized and solid particles and bulk hydrocarbons are trapped within a high capacity oil absorbent.

Next, the condensate passes through a deep bed of advanced STERLING filtration media which absorbs any remaining oil.

Simple and effective - no messy carbon, no settling tanks, no oil containers. Just clean condensate.

** Before disposing of any condensate, test it to ensure you are in compliance with all local regulations regarding oil and other contaminants.*

Maximum Capacity ⁽²⁾		60 scfm
		102 Nm ³ /hr
Connection Sizes	Inlet	1/4" Push Fit
	Outlet	3/8" Push Fit
Dimensions	Height	9.4" (239 mm)
	Width	5.5" (140 mm)
	Depth	5.5" (140 mm)
Weight		2.9 lbs (1.3 kg)
Inlet Pressure	Maximum	232 psig (16 barg)
	Minimum	35°F (1.7°C)
Inlet Temperature	Maximum	110°F (43.3°C)
	Minimum	
Expected Media Life	At 30 scfm ⁽²⁾	8000 hours (12 months)
	At 60 scfm ⁽²⁾	5000 hours (7 months)
Maximum Oil Carry Over (at end of media life)		< 20 ppmv

- Sizing assumes an oil flooded compressor using mineral or synthetic lubricant with a maximum oil carry-over of 5 mg/m³ or less.
- Contact n-psi for sizing assistance when using with PAG compressor lubricants.

Benefits - Get more for your money

Guaranteed Performance

- The advanced STERLING filtration media provides long media life and outlet concentrations as low as 5 ppmv even with synthetic compressor lubricants, and all without the size, weight and mess of a settling tank, bags of carbon, or oil collection container.

Easy to Size

- No complex sizing tables and charts
- Size your unit on just your air or gas flow

Easy to Install

- Package includes everything you need for installation
- Ready for use - no pre-soaking!
- Small footprint for tight installations
- Simple push fit inlet & outlet connections

Environmentally Friendly Design

- 100% recycled (and recyclable) filtration media
- Environmentally sustainable manufacturing practices

Easy to Maintain

- Service intervals up to 8000 hours
- Replace the cartridge in less than 10 minutes
- No pre-soaking of media bags
- No special tools required
- No settling tank to empty and clean
- No funnels to adjust
- No oil collection container to empty



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