

POS Oil/Water Separators

Separate Lubricant Carryover From Air Treatment Condensate

Oil carryover from oil-lubricated compressors is common in today's compressed air systems. The lubricant aerosols combine with water vapor that is present in the compressed air. When cooled in downstream equipment such as aftercoolers, dryers, filters and separators, the aerosols and vapors condense to form a liquid mixture that needs to be removed from the compressed air stream. The presence of lubricants in the liquid condensate may render it unsafe for discharge into surface water, sanitary sewers and wastewater treatment plants.

Using absorption technology, PREMIER POS Oil/Water Separators remove over 99% of oil content (mineral, synthetic, semi-synthetic, and polyglycol ¹) and stable emulsions from the condensate discharge of a compressed air system. Replaceable filter element bags trap lubricants but allow water to pass through the POS separator. The conditioned water meets stringent EPA guidelines and conforms to local and State codes. Testing shows that lubricant carryover in the separated water is 10ppm or lower. Proper disposal, as stated by local and State guidelines, is necessary only for the oil soaked elements.

The multi-tower units have no moving parts and require no electrical hookup. Seamless molded-plastic construction will not crack or leak while removable lids provide easy access for periodic element replacement. Units can remain in service during the simple element replacement procedure. A port used to collect samples for visual inspection of outgoing separated wastewater is conveniently located.

Four POS models are available to enable efficient oil/water separation in large or small compressed air systems. Model selection is based on total air compressor capacity and lubricant type. Multiple sources of condensate can be connected simultaneously. Reference the Technical Specifications chart on the reverse side of this page to choose the model that meets or exceeds the total compressor volume (scfm). Installation requires positioning of the unit for efficient collection of condensate from all sources, and connection to inlet and outlet piping.

Effective In All Compressed Air Systems

- **Separates mineral, synthetic and semi-synthetic lubricants, stable emulsions and polyglycol**
- **Requires no electricity**
- **Receives condensate discharged by intelligent drains, timed solenoid drains, manual drains or float style drains**
- **Easy to install and maintain**
- **Operates with all makes of compressors**

¹ Special Polyglycol elements required for Polyglycol Lubricated compressed air systems. Polyglycol units denoted with 'PG' suffix on model number.

POS300/POS300PG



POS751/POS751PG



POS1251/POS1251PG



POS2501/POS2501PG

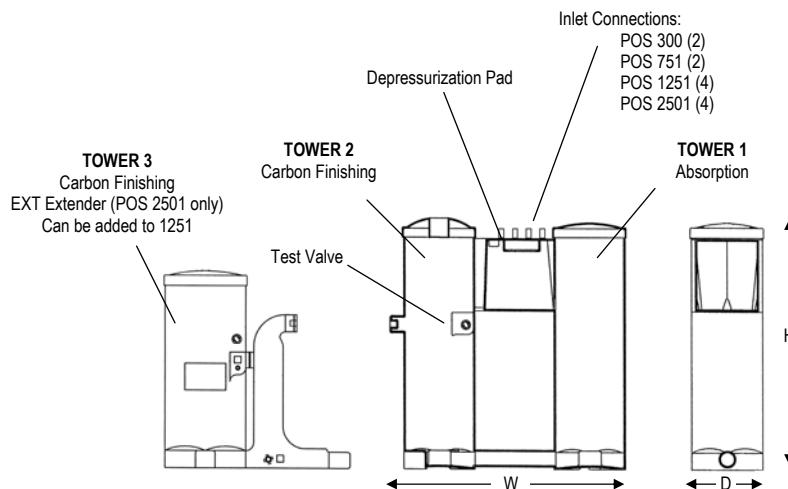


To conform to available space, the 3-tower POS 2501 can be configured in-line or at a right angle.

POS Oil/Water Separator Dimensions

Model	W	D	H
POS300/POS300PG	28"	10"	26"
POS751/POS751PG	40"	14"	32"
POS1251/POS1251PG	39"	15"	44"
POS2501/POS2501PG (inline)	73"	15"	44"
(angled)	39"	49"	44"

Overall dimensions indicated.



Technical Specifications

MODEL	AIR COMPRESSOR CAPACITY	APPLICATION	CONNECTION SIZE (Qty) INLETS	OUTLET	REPLACEABLE ELEMENT ITEM NUMBER	ELEMENT TYPE	ELEMENT APPLICATION
POS300 2-Tower Unit	Up to 300 scfm	Mineral, Synthetic, Semi-Synthetic Oils, Stable Emulsions	(2) 1/2"	1/2"	683535	Absorption (TWR 1)	Mineral Oil, Synthetic Oil, Semi-Synthetic Oil
					683536	Carbon Finishing (TWR 2)	Mineral Oil, Synthetic Oil, Semi-Synthetic Oil, Polyglycol
POS300PG 2-Tower Unit	Up to 300 scfm	Polyglycol	(2) 1/2"	1/2"	683749	Absorption (TWR 1)	Polyglycol
					683536	Carbon Finishing (TWR 2)	Mineral Oil, Synthetic Oil, Semi-Synthetic Oil, Polyglycol
POS751 2-Tower Unit	300 to 750 scfm	Mineral, Synthetic, Semi-Synthetic Oils, Stable Emulsions	(2) 1/2"	1/2"	684130	Absorption (TWR 1)	Mineral Oil, Synthetic Oil, Semi-Synthetic Oil
					684132	Carbon Finishing (TWR 2)	Mineral Oil, Synthetic Oil, Semi-Synthetic Oil, Polyglycol
POS751PG 2-Tower Unit	300 to 750 scfm	Polyglycol	(2) 1/2"	1/2"	684131	Absorption (TWR 1)	Polyglycol
					684132	Carbon Finishing (TWR 2)	Mineral Oil, Synthetic Oil, Semi-Synthetic Oil, Polyglycol
POS1251 2-Tower Unit	750 - 1250 scfm	Mineral, Synthetic, Semi-Synthetic Oils, Stable Emulsions	(4) 1/2"	1/2"	683750	Absorption (TWR 1)	Mineral Oil, Synthetic Oil, Semi-Synthetic Oil
					683752	Carbon Finishing (TWR 2)	Mineral Oil, Synthetic Oil, Semi-Synthetic Oil, Polyglycol
POS1251PG 2-Tower Unit	750 - 1250 scfm	Polyglycol	(4) 1/2"	1/2"	683751	Absorption (TWR 1)	Polyglycol
					683752	Carbon Finishing (TWR 2)	Mineral Oil, Synthetic Oil, Semi-Synthetic Oil, Polyglycol
POS2501 3-Tower Unit	1250 - 2500 scfm	Mineral, Synthetic, Semi-Synthetic Oils	(4) 1/2"	1/2"	683750	Absorption (TWR 1)	Mineral Oil, Synthetic Oil, Semi-Synthetic Oil
					683752	Carbon Finishing (TWR 2)	Mineral Oil, Synthetic Oil, Semi-Synthetic Oil
					683753	Carbon Finishing (TWR 3)	Extends Absorption Time
POS2501PG 3-Tower Unit	1250 - 2500 scfm	Polyglycol	(4) 1/2"	1/2"	683751	Absorption (TWR 1)	Polyglycol
					683752	Carbon Finishing (TWR 2)	Mineral Oil, Synthetic Oil, Semi-Synthetic Oil, Polyglycol
					683753	Carbon Finishing (TWR 3)	Extends Absorption Time
POSEXT / POSEXTPG		Mineral, Semi & Synthetic Oils, Stable Emulsions, Polyglycol	(4) 1/2"	1/2"	683753	Carbon Finishing (TWR 3)	Extends Absorption Time

POS 1251 separation capacity can be expanded at any time through addition of a POS EXT carbon finishing tower. Technical specifications, as well as installation and maintenance procedures then match those of the POS 2501.



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