PolySep Green Oil Water Separators

5-60 m^3/min

Keep the environment clean with PolySep Green. Our efficient oil water separators are an effective solution to separate and permanently adsorb virtually all lubricants.

Unrivaled Performance and Efficiency

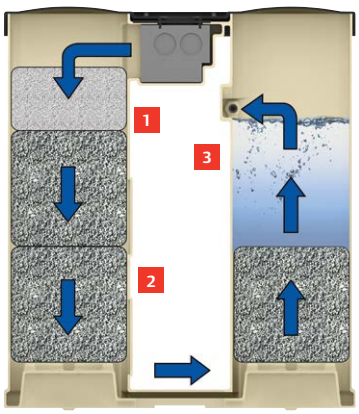
Today's industrial working environments present a host of variables that create challenges in designing an effective oil water separator that is both effective and long lasting. Some of these challenges include ambient humidity and extreme temperatures, different coolant types, excessive operating hours, equipment age, compressor loading and residual oil that passes through to the environment.

To meet these challenges, PolySep offers a new modular approach allowing you to size and scale the unit as needed. PolySep Green also features specially coated Zeolite adsorption media that withdraws and permanently adsorbs all lubricants, especially highly emulsified ones like polyglycols that are difficult to separate without the use of expensive, oversized separators.

The Responsible Choice

By minimizing the cost associated with the disposal of fluids, and keeping them out of the environment, PolySep Green oil water separators help you to stay compliant with environmental regulations and avoid costly fines. The separator is also designed to operate with minimal maintenance or downtime, resulting in no mess or overflow.

How PolySep Green Works



1 Oily water flows through pre-filter removing contaminents

2 Multiple Zeolite media zones capture oil

3 Clean water exits seperator

PolySep Green Oil Water Separator Features

- **Zeolite filtration media** adsorbs virtually all lubricants without the need to derate and oversize separator
- **Scalable modular design** allows user to vary capacity due to changing operating parameters
- **Pre-filter removes contaminants** that cause fouling and clogging
- **Handles compressor flow requirements** up to 60 m^3/min
- **Complies with environmental regulations** and minimizes fluid disposal costs
- **Streamlined design** affords simple, reliable operation with few moving parts to reduce maintenance and downtime

The PolySep Advantage

Why do I need an oil water separator?

Compressor systems produce large amounts of condensate containing oil. It is important to remove the oil before condensate is released into the environment, since only small amounts can cover a vast surface area and harm aquatic life. When properly installed and sized correctly, PolySep Green separators provide condensate discharge levels < 15 ppm at standard conditions.

What adsorption media do I need?

Polypropylene and carbon media may be used effectively on lighter than water oils, like polyalphaolefins or mineral oils. However, highly emulsified oils, like Ultra Coolant, have nearly the same specific gravity as water and are not easily separated from it. For these cases, Zeolite media is ideal, because its special properties enable it to attract and bind the oil molecules, permanently removing them from the water.

Why PolySep is the Right Choice—No Exclusions, No Derating

Competitive units that don't use Zeolite media specifically exclude polyglycols or indicate that special kits are needed. In such cases, those units must be derated by 50% or more, meaning an oversized separator that costs you more. So when comparing separators, it is critical to check the media type and determine proper sizing.

Modular, Scalable Solutions

PolySep Green oil water separators come in 8 standard sizes, handling air flow from 5 to 60 m^3/min. The media is designed to last 3-6 months @ 8,000 hours/year of operation and 6-12 months @ 4,000 hours/year. Each model has standardized, modular media bags—add more bags to increase capacity and media life.

PolySep Performance Data

Model	Part Number	Air Flow m^3/min	Frame Size (L x W x H) cm	Zeolite Media for Base Model kg	Bag Size kg	Number of Zeolite Bags for Base Model	Maximum Media Capacity	Capacity for Additional Zeolite Bags	Prefilter	Single Zeolite Bag	*Media Kit
PGX1	17933421	5	65 x 51 x 17	9	3	3	12	1	17933529	17933533	17933363
PGX2	17933422	10	83 x 70 x 21	20	10	2	50	3	17933530	17933534	17933364
PGX3	17933423	15	83 x 70 x 21	30	10	3	50	2	17933530	17933534	17933365
PGX4	17933424	20	83 x 70 x 21	40	10	4	50	1	17933530	17933534	17933366
PGX6	17933426	30	83 x 70 x 21	50	10	5	50	0	17933530	17933534	17933368
PGX8	17933427	40	110 x 95 x 35	70	10	7	100	3	17933531	17933535	17933387
PGX10	17933429	50	110 x 95 x 35	80	10	8	100	2	17933531	17933535	17933388
PGX12	17933428	60	110 x 95 x 35	90	10	9	100	1	17933531	17933535	17933389

*Diffuser element + prefilter + standard number of Zeolite bags

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