

ZGF Coalescing Oil Water Separator Product Data Sheet

The Most Advanced, Automatic,
Non-Disposable Liquid Filtration System



Performance, Simplicity, Consistency, Reliability and the Lowest Cost of Ownership

The ZGF coalescing oil water separator is designed to remove free and mechanically dispersed “tramp” oil from machining coolants, wash solutions, polymer quenchants and other water-based industrial process fluids.

PERFORMANCE & PHYSICAL CHARACTERISTICS

Nominal flowrate: 5 gpm (20 lpm)

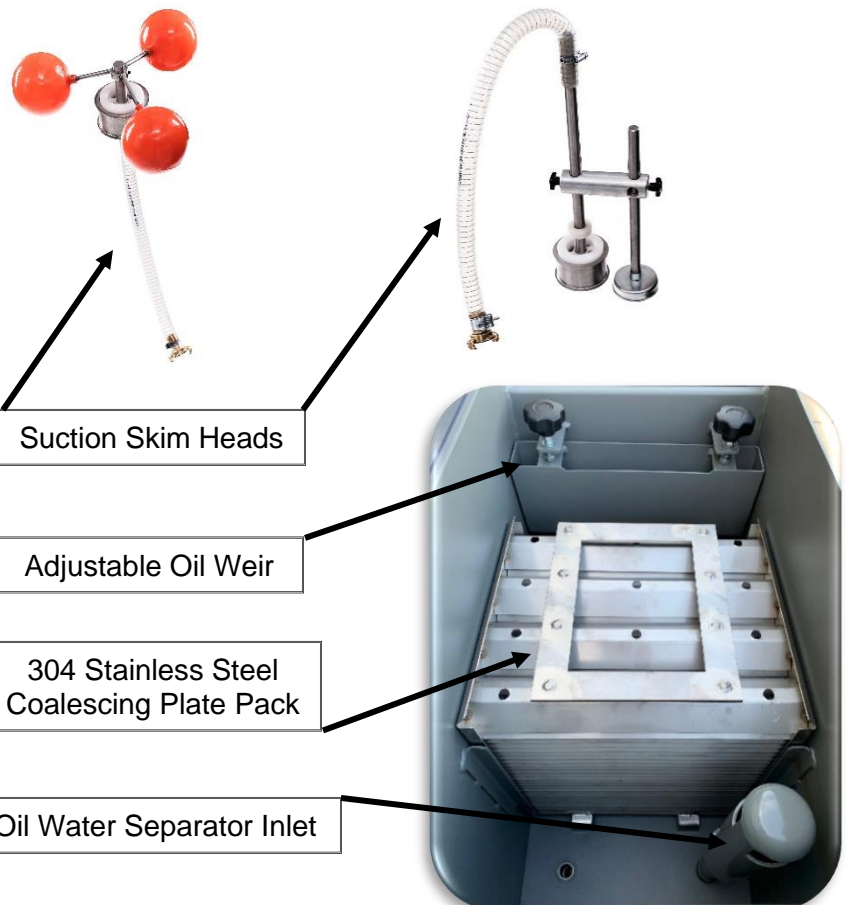
Compressed Air Requirements: 50 – 80 psi (3 - 6 bar), clean & dry

Approximate Dimensions: 2' L x 2' W x 4' H (570 mm x 590 mm x 1.070 mm)

Approximate Weight: 150 lbs. (65 kg)



The Oil Water Separator in the photograph above is shown with a mobile OPTION.



Suction Skim Heads

Adjustable Oil Weir

304 Stainless Steel
Coalescing Plate Pack

Oil Water Separator Inlet

Oil Water Separator Description and Operation:

Dirty, tramp oil laden fluid is skimmed off the surface through the 250-micron suction strainer to remove large particles, metal chips and fines and pumped via the onboard air operated diaphragm pump into the oil water separator.

The fluid flows across a stainless plate pack causing the oil droplets coalesce or gather to form larger oil droplets that float to the surface.

The oil layer on the surface increases until it eventually flows over the oil adjustable weir and into a waste oil collection vessel.

The clean fluid with typically less than 1% tramp oil flows under a weir out of the oil water separator and back to the process.

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The ZGF coalescing oil water separator can provide significant value in several processes throughout the Automotive and Steel industries.

The ZGF coalescing oil water separator is designed to remove free and mechanically dispersed “tramp” oil from machining coolants, wash solutions, polymer quenchants and other water-based industrial process fluids.

Removal of tramp oil from these critical process fluids will improve workplace health & safety by reducing odors associated with microbial growth and airborne oil mist, as well as minimizing worker exposure to dirty process chemicals during sump cleanouts.

Effective removal of tramp oil will also reduce total operating costs and environmental impact by extending the life of these process fluids, reducing disposal costs, minimizing maintenance and labor, as well as improving the life of cutting tools in machining operations.

OIL WATER SEPARATOR FEATURE	YOUR BENEFIT
Reduce Tramp Oil to 1% or less	Improve workplace health & safety Reduce total operating Costs
Full 1-year warranty	Peace of mind, reduced operating & maintenance costs
Fully automatic operation	Designed for unattended operation Reduced maintenance and operating costs
Removable, 304 stainless steel coalescing pack	Easy to clean No need to ever replace
Steel tank and frame with corrosion resistant coating	Designed for longevity in an industrial setting
Compact (approximately 2' L x 2' W x 4' H)	Can easily fit next to machining centers or parts washers
Virtually maintenance free, consistent and reliable performance	Improved quality and lower operating costs with minimal operator involvement
Mobile (optional) – equipped with lockable casters	Easily moved throughout the facility
No consumables – equipped with 304 stainless steel coalescing plate pack and suction strainer	No disposal or replacement costs Less maintenance and environmentally responsible
Low energy requirement – only uses compressed air to operate an air operated diaphragm pump	Economically and environmentally responsible
No control panel or electricity required	Simplicity of operation
Complete Unit including frame with lockable casters (optional), AOD pump / air regulator, suction strainer, skim head / hose and waste oil collection vessel	Ready to use. Nothing else required.

Rev C

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