Oil Coalescing and Activated Carbon Filters

Excellent protection of critical equipment from oil, oil mist, vapor, and particulate down to .001 PPM (.01 micron). **Tsunami** elements utilize a multi-stage filtration effect. These elements are much larger than standard elements, offering the largest surface area and lowest pressure drop. Available with manual, solenoid, or piston drain options and a large sump. **Tsunami** coalescing filters are rated for heavy, wet flows. **Tsunami** activated carbon filters used with **Tsunami** oil coalescing filters deliver the highest instrument grade compressed air.

Optional
Solenoid Drain

Part #	Drain Type
2199-0131-AC Tsunami Activated Carbon Filter Cartridge	Manual
21999-0131-Z-ED Tsunami Grade Z Filter Unit w/ Timed Drain	Solenoid
21999-0131-Z-FD Tsunami Grade Z Filter Unit w/ Float Drain	Float

Weight	Max Length	Max Width
3 lbs.	14-1/4”	2-3/8”

Part #	Drain Type
2199-0082-AC Tsunami Activated Carbon Filter Cartridge	Manual
21999-0082-Z-ED Tsunami Grade Z Filter Unit w/ Timed Drain	Solenoid
21999-0082-Z-FD Tsunami Grade Z Filter Unit w/ Float Drain	Float

Weight	Max Length	Max Width
4.5 lbs.	15-7/8”	3-1/8”

Products highlighted are recommended for systems with rust and oil.

Tsunami Compressed Air Solutions™ is a division of

Suburban MANUFACTURING, INC.

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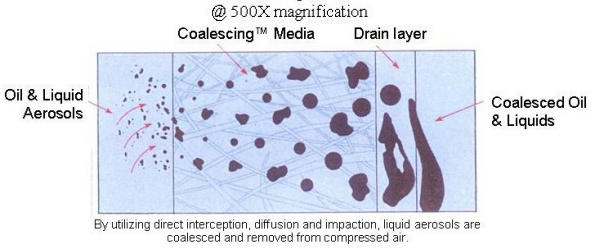
Tsunami replacement filter elements are designed to provide quick and painless change-outs in a matter of minutes. Just unscrew the bottom cap, remove one nut and remove / replace the element.

Part #	Description	Micron Rating	Oil Carry Over (PPM)	ISO Class
21999-0200	Activated Carbon replacement filter element	N/A	.003	<1
21999-0202	Grade Z replacement filter element (99.9999% efficiency)	.01 Micron	.001	<1

How It Works

Once the aerosol is captured by a fiber, it coalesces with other captured aerosols to form a bulk liquid which is forced by the air flow to the outer surface of the filter media. A non-wicking drain layer attached to the outer surface of the filter media separates the oil and water liquid from the air flow and drains the liquid via gravity to the sump of the filter housing preventing entrainment.

Scanning Electron Micrograph of Coalescing Media @ 500X magnification



By utilizing direct interception, diffusion and impaction, liquid aerosols are coalesced and removed from compressed air.

Construction

Tsunami coalescing media is made of 100% borosilicate glass micro fibers bonded together with a resin binder. In the standard configuration, chemical-resistant polypropylene cores and layers intimately support the coalescing media. A non-wicking drain layer is in intimate contact with the outside of the outer support core.

Visit us online for more product information and exact specifications! www.tsunami.us.com