

50 Series Tsunami™ Filtration

Water Separator / Oil Coalescing Filter / Activated Carbon Filter

Filter particulates from air systems with a capacity of up to 50 CFM

- 30 Day Money Back Performance Guarantee!
- Guaranteed point-of-use protection for air tools and pneumatic equipment
- Removes large amounts of moisture
- Unique up-flow separation takes place as air reverses direction 180° and passes through special stainless steel mesh element
- Integral float drain ejects water and oil from large drain sump
- OEM Choice for Product Protection

Exceeding recommended flow of 50 SCFM may result in moisture carryover.



Water Separator

 The Tsunami Water Separator removes water, up to 1 quart per minute, and filters particulate down to 10 micron



2-Stage Filtration - 50 CFM

 Standard spray package with water separator, oil coalescing filter and regulator



3-Stage Filtration - 50 CFM

- Standard spray package with water separator, oil coalescing filter, and activated carbon with built-in regulator
- Absorbs oil vapors from air systems
- OSHA Grade "D" Air

Part #	Description	Flow Rating	Port Size	Length	Width	Max Pressure	Max. Temp.	Weight
21999-0131	Tsunami™ Water Separator - removes water and oil to 10 micron	50 SCFM	1/2" NPT	14-1/4"	2-3/8"	250 PSI	200° F	3.25 lbs
21999-0390-Z	Tsunami™ Oil Coalescing Filter - removes oil and particulate to .01 micron	50 SCFM	1/2" NPT	14-1/4"	2-3/8"	250 PSI	200° F	3 lbs
21999-0131-AC	Tsunami™ Activated Carbon Filter - removes oil and oil vapor to .003ppm	50 SCFM	1/2" NPT	14-1/4"	2-3/8"	250 PSI	200° F	3 lbs
21999-0253	Tsunami™ 2-stage Filter System (separator and oil coalescing filter)	50 SCFM	1/2" NPT	18.25"	13"	250 PSI	200° F	12 lbs
21999-0257	Tsunami™ 3-stage Filter System (separator / oil coalescing / activated carbon)	50 SCFM	1/2" NPT	18.25"	13"	250 PSI	200° F	14 lbs
9000801	Float Drain Replacement							









Dynamic Technology Vs. Old Technology

Tsunami™ Water Separator Standard Filter Dynamic technology Competition does not offer guaranteed product performance 30 Day Money Back Performance Guarantee 1940's technology Flow rated under heavy wet conditions Most Filters are flow rated dry in a laboratory Heads: Made of die cast aluminum Machined from 6061 aircraft Interior not coated, causes aluminum, anodized. corrosion. maximum corrosion protection Water Separation: Water Separation: Air flows thru center air channel Water separation is created by centrifugal motion (spinning the air) tube to the bottom of Tsunami It hits the baffle plate depositing Does not work well with intermittent the liquid and particulate in the or low flows, moisture carries over large drain sump Need high continuous flow for best The air is then redirected 180° performance. and flows up thru the oversized Short separation distance between Stainless Steel mesh element air inlet and filter element, moisture Any remaining water droplets carries over and aerosols to 10 micron are Shortened element life forced to the outside and will run down to the drain sump. **Up-flow gravity separation** Elements: Performance is 100% Very small consistent at all flows **Plug Easily** High pressure drop Barrel: Frequent replacement required Oversize length and diameter Machined from 6061 aircraft Plastic Bowls: aluminum Requires metal bowl guards for Mil Spec anodized inside and out for corrosion Compressor oils will cause Large drain sump Can handle large surges of Unable to support electric solenoid water Unable to handle large surges of water Bottom Cap: Mil Spec anodized for corrosion Aluminum Die Cast Bowls: Elevated sump for sediment to Internal corrosion accumulate (extended drain life) Easy to remove to service float drain Manual drains are standard on most filters Float drains are optional Location of float drains in one piece filter bowls cause premature drain failure Difficult replacement Float Drain Standard:



Easy to service

Easy to install; low maintenance





