



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							



www.tsunami.us.com | 800-782-5752 | info@gosuburban.com



Dynamic Technology Vs. Old Technology

Tsunami™ Water Separator

- Dynamic technology
- **30 Day Money Back Performance Guarantee**
- Flow rated under heavy wet conditions

Heads:

- Machined from 6061 aircraft aluminum, anodized. **maximum corrosion protection**

Water Separation:

- Air flows thru center air channel tube to the bottom of Tsunami
- It hits the baffle plate depositing the liquid and particulate in the large drain sump
- **The air is then redirected 180° and flows up thru the oversized Stainless Steel mesh element**
- Any remaining water droplets and aerosols to 10 micron are forced to the outside and will run down to the drain sump.
- Up-flow gravity separation
- Performance is 100% consistent at all flows

Barrel:

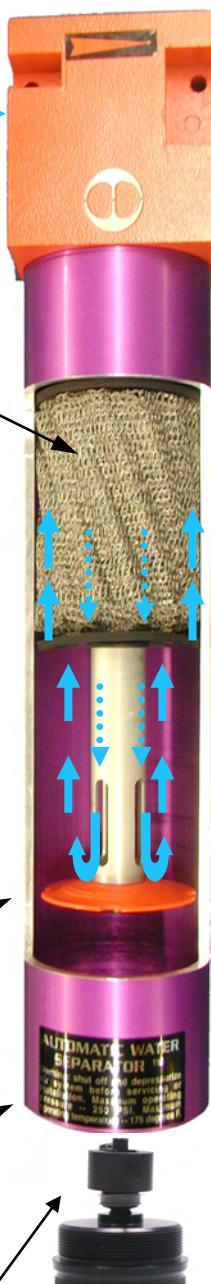
- Oversize length and diameter
- Machined from 6061 aircraft aluminum
- Mil Spec anodized inside and out for corrosion
- Large drain sump
- Can handle large surges of water

Bottom Cap:

- Mil Spec anodized for corrosion
- Elevated sump for sediment to accumulate (extended drain life)
- Easy to remove to service float drain

Float Drain Standard:

- Easy to service
- Easy to install; low maintenance



Standard Filter

- Competition does not offer guaranteed product performance
- 1940's technology
- Most Filters are flow rated dry in a laboratory

Heads:

- Made of die cast aluminum
- Interior not coated, **causes corrosion**.

Water Separation:

- Water separation is created by centrifugal motion (spinning the air)
- Does not work well with intermittent or low flows, **moisture carries over**
- Need high continuous flow for best performance.
- Short separation distance between air inlet and filter element, **moisture carries over**
- **Shortened element life**

Elements:

- Very small
- **Plug Easily**
- High pressure drop
- Frequent replacement required

Plastic Bowls:

- Requires metal bowl guards for safety
- Compressor oils will cause cracking
- Unable to support electric solenoid drain
- Unable to handle large surges of water

Aluminum Die Cast Bowls:

- Internal corrosion

Drains:

- 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