### 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.

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**Part #** | **Description** | **Flow Rating** | **Port Size** | **Length** | **Width** | **Max Pressure** | **Max. Temp.** | **Weight** |
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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 | | | | | | | |

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**Additional Features**

- Exceeding recommended flow of 50 SCFM may result in moisture carryover.
- OEM Choice for Product Protection

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**Specifications**

- **Flow Rating:** 50 SCFM
- **Port Size:** 1/2" NPT
- **Length:** 14-1/4" to 18.25"
- **Width:** 2-3/8" to 13"
- **Max Pressure:** 250 PSI
- **Max. Temp.:** 200° F
- **Weight:** 3.25 lbs to 14 lbs

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**Contact Information**

- [www.tsunami.us.com](http://www.tsunami.us.com)  |  800-782-5752  |  info@gosuburban.com

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**Images:**

- Water Separator
- 2-Stage Filtration - 50 CFM
- 3-Stage Filtration - 50 CFM

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**Descriptions**

- **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

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**Other Features**

- 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
**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

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**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