



# Tsunami Water Separator 20 - 50 - 120 - 240 Series

## Filter particulates from air systems with a capacity of up to 240 CFM

The Tsunami<sup>™</sup> Water Separator is a high quality filtration product which can be used to remove liquids and dirt particulates from compressed air systems with a capacity of up to 240 SCFM (Standard Cubic Feet per Minute).

- 30 Day Money Back Performance Guarantee!!
- Guaranteed point-of-use protection for air tools and pneumatic equipment
- Filters particulate down to 10 micron
- Removes large amounts of moisture (Up to 1 quart of water/oil per min.)
- Unique up-flow separation takes place as air reverses direction 180° and passes through a special stainless steel mesh element
- Integral float drain ejects water and oil from large drain sump
- OEM Choice for Product Protection







Part #	Description	Flow Rating	Port Size	Length	Width	Max Pressure	Max. Temp.	Weight
21999-0390	Tsunami™ Water Separator	20 SCFM	1/4" NPT	8-1/2"	2"	250 PSI	200° F	1.1 lbs
21999-0131	Tsunami™ Water Separator	50 SCFM	1/2" NPT	14-1/4"	2-3/8"	250 PSI	200° F	3.25lbs
21999-0082	Tsunami™ Water Separator	120 SCFM	1" NPT	15 7/8"	3 1/8"	250 PSI	200° F	4.75lbs
21999-0288	Tsunami™ Water Separator	240 SCFM	1 1/4 NPT	19 7/8"	8 1/4"	250 PSI	200° F	23lbs
9000801	Float Drain Replacement							

Tsunami Compressed Air Solutions™ is a division of









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# **Dynamic Technology**

## VS.

# Old Technology

# Tsunami™ Water Separator

## Standard Filter

- 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

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



- 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
- Compressor oils will cause cracking
- Unable to support electric solenoid
- Unable to handle large surges of water

Aluminum Die Cast Bowls:

Internal corrosion

- 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

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Float Drain Standard:

Easy to install; low maintenance

Easy to service









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