

# Tsunami™ Water Separator 50—120—240 Series



- **30 Day Money Back Performance Guarantee!!**
- Guaranteed point-of-use protection for air tools and pneumatic equipment
- 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



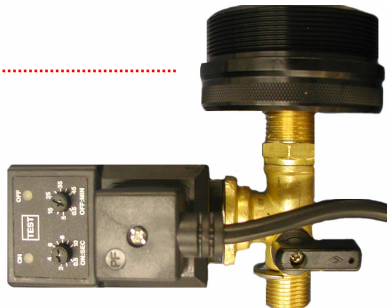
240 SERIES

### Recommended

Optional Solenoid Drain Valve (EDV) For Rusty/Oily Systems



Standard Float Drain



Part #	Flow Rating	Port Size	Length	Width	Max Pressure	Max. Temp.	Weight Lbs.
21999-0131	50 SCFM	1/2" NPT	14-1/4"	2-3/8"	250 PSI	200° F.	3.25
21999-0131-ED (Tsunami w/ EDV)	50 SCFM	1/2" NPT	18-1/4"	3-3/4"	250 PSI	200° F	4.75
21999-0082	120 SCFM	1" NPT	15-7/8"	3-1/8"	250 PSI	200° F.	4.75
21999-0082-ED (Tsunami w/ EDV)	120 SCFM	1" NPT	19-7/8"	4"	250 PSI	200° F.	5.75
21999-0288	240 SCFM	1 1/4" NPT	19 7/8"	8 1/4"	250 PSI	200° F	23.
9000801	Replacement Float Drain						
21999-0177	EDV — Electronic Drain Valve						

## Dynamic Technology

vs

## Old Technology

### Tsunami Water Separator

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

#### Heads:

- Zamac anodized and powder coated for **maximum corrosion protection**

#### Water Separation:

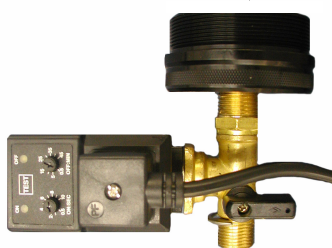
- Air flows thru center air channel tube to the bottom of Tsunami
- It hits the baffle plate depositing the liquid and particulate, in the **large drain sump**
- **The air is then redirecting 180° and flows up thru the oversized Stainless Steel mesh element**
- **Any remaining water droplets and aerosols 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:

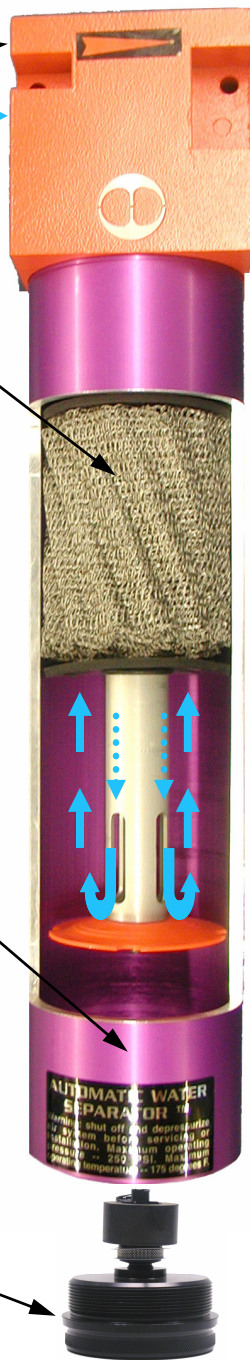
- **Mil Spec anodized for corrosion**
- **Elevated sump for sediment to accumulate (extended drain life)**
- **Easy to remove to service float drain**
- **Standard thread to allow for installation of optional electronic solenoid drain**



#### Float Drain Standard:

- **Easy to service**
- **Electronic solenoid drain (optional)**
- **Easy to install; low maintenance**

Moisture Minder piston drains (optional)



### 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 (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**