

20 Series Tsunami™ Water Separator / Oil Coalescing Filter / Activated Carbon Filter

Tsunami™ Water Separator



- 30 Day Money Back Performance Guarantee!!
- Guaranteed point-of-use protection for air tools and pneumatic equipment
- · Removes large amounts of moisture
- Exceeding recommended flow of 20 SCFM may result in moisture carryover.
- 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



Tsunami™ Oil Coalescing Filter



Element Construction

Tsunami™ coalescing filter media is made of 100% borosilicate glass micro fibers, bonded together with a resin binder. In the standard configuration, chemical-resistant polypropylene cores and layers intimately support the coalescing media. A non-wicking drain layer is in intimate contact with the outside of the outer support core.



Part #	Description	Flow Rating	Port Size	Length	Width	Max Pressure	Max. Temp.	Weight
21999-0390	Tsunami™ Water Separator - removes water and oil to 10 micron	20 SCFM	1/4" NPT	8-1/2"	2"	250 PSI	200° F.	1.1 lbs
21999-0390-Z	Tsunami™ Oil Coalescing Filter - removes oil and particulate to .01 micron	20 SCFM	1/4" NPT	8-1/2"	2"	250 PSI	200° F	1.1 lbs
21999-0390-AC	Tsunami™ Activated Carbon Filter - removes oil and oil vapor to .003ppm	20 SCFM	1/4" NPT	8-1/2"	2"	250 PSI	200° F.	1.1 lbs
21999-0424	Tsunami™ 2-stage Filter System (separator and oil coalescing filter)	20 SCFM	1/4" NPT	8-1/2"	4¾"	250 PSI	200° F.	2.3 lbs
21999-0421	Tsunami™ 3-stage Filter System (separator / oil coalescing / activated carbon)	20 SCFM	1/4" NPT	8-1/2"	7½"	250 PSI	200° F.	3.6 lbs
9000801	Float Drain Replacement							

Dynamic 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

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

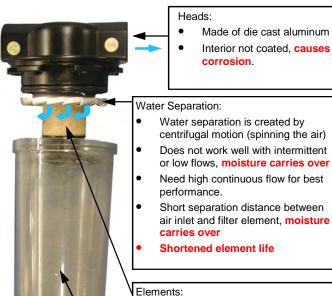
Old Technology

Standard Filter

- Competition does not offer guaranteed product performance
- 1940's technology

VS

Most Filters are flow rated dry in a laboratory



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

Plastic Bowls:

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

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