



# Compressed Air Filtration

Installation instructions for single  
filters and filtration packages

## YOUR SAFETY IS IMPORTANT

Read ALL instructions before you begin the installation of your Tsunami Compressed Air Solutions filtration system.

Observe and follow all caution and warning instructions!

## !!CAUTION!!

**\*\*SYSTEM PRESSURE MUST BE RELEASED  
PRIOR TO INSTALLING ANY FILTRATION SYSTEM\*\***

- Maximum operating pressure - 250 PSI
- Maximum operating temperature - 175 °F
- Exceeding rated flow rates may result in operating failure
- Failure to follow maintenance instructions could result in operating failure or product damage
- Always install the filtration system as close as possible to point of use
- Always install the system with the arrows indicating the direction of airflow
- Use only appropriate thread sealant on all connection fittings unless otherwise specified
- Make sure not to over tighten threaded connections as this may result in the stripping out of the threads and may cause unnecessary leaking
- Do not alter the filtration system from its original design as this may cause failure in its operation parameters

# INSTALLATION INSTRUCTIONS

**\*\*SYSTEM PRESSURE MUST BE RELEASED PRIOR TO INSTALLING TSUNAMI COMPRESSED AIR SOLUTIONS FILTRATION SYSTEM\*\***

There are 3 options for mounting Tsunami filters and filtration packages

## **OPTION 1 - Mounting directly inline with air system**

Plumb the Tsunami filter directly inline with your air system piping whereas the support for the airline plumbing supports the Tsunami filter.



## **OPTION 2 - Using the Tsunami universal mounting bracket**

When using this bracket it is very important to securely mount it to the wall using proper hardware. When possible, try to securely attach to a wall stud.

Mark the bolt holes, drill and then mount bracket.



Attach filter to bracket using supplied mounting bolts

## **OPTION 3 - Using the Tsunami stainless steel mounting plate**

First, plan out where you need to mount the filtration package and then mark the position of the mounting holes in the stainless steel panel.

Be certain to use proper mounting bolts to securely hold the Tsunami panel to the wall or mounting strut



# MAINTENANCE INSTRUCTIONS

## Tsunami Filters and Filtration Packages

**\*\*SYSTEM PRESSURE MUST BE RELEASED PRIOR TO PERFORMING MAINTENANCE PROCEDURES\*\***

### Float Drain Replacement

Replacing the float drain is a very simple process and takes only minutes.

First, remove the bottom cap from the Tsunami filter and then grasp the bottom stem of the float drain and unscrew from bottom cap.

Now, install the new float drain into bottom cap and reinstall bottom cap onto filter.



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### Oil Coalescing / Activated Carbon Element Replacement

First, unscrew tube from Tsunami filter head and then remove baffle nut from threaded rod. Slide the old element off and reinstall with new element.

Make sure you have a proper seal between the element adaptor and the baffle plate before tightening baffle nut.

Screw Tsunami outer tube onto filter head.



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### Stainless Steel Element Replacement

Remove outer tube and loosen the nut holding the bottom baffle. Replace o-rings on tube and bottom cap, slide old element away from the Tsunami head and replace with new element kit. Install baffle and tighten nut until snug

Element adaptor is not used in 50 Series filters



**DO NOT OVERTIGHTEN NUT**

## Optional Differential Pressure Indicator Installation

When installing the Differential Pressure Indicator (DPI) make sure the flow direction arrow points in the same direction as the directional flow arrows on the Tsunami heads.

Remove the plugs on the top of the Tsunami head and install DPI. Use a coin to reduce the risk of over tightening the bolts.

**DO NOT OVER TIGHTEN THE PLASTIC BOLTS OR YOU WILL BREAK THEM!!**

This unit is almost always installed on the Tsunami Oil Coalescing Filter.



## Alternative Drain Replacement for dirty, oily systems

When float drain failure due to very dirty and oily systems becomes an issue, make a switch to using the Moisture Minder EDV solenoid drain valve.

Remove float drain, apply thread sealant to 1/2" NPT threads on EDV and install to bottom cap.



P/N 21999-0177  
Moisture Minder®  
EDV  
Electronic Drain Valve



## Drain Tube Kit Installation

Once you have mounted the Tsunami filter or filtration package, install barbed fitting onto bottom cap and route the drain tubing to a desired discharge and collection location



Suburban Manufacturing, Inc. warrants this unit to be free from manufacturing defects for a period of one year from the date the unit is shipped from factory according to the following terms:

This unit must be installed and maintained in accordance with the manufacturers' written recommendations and requirements as they exist from time to time.

This unit must be used for appropriate applications.

This unit must not have been altered from its original state.

Any portion of this unit found defective in material or workmanship will be repaired or replaced, at the manufacturers option, without charge for parts or labor, providing the unaltered product is returned to the manufacturer, shipped prepaid, within the two year time period set forth in this warranty and provided further that the customer establishes that the product is defective in its material or workmanship.

This warranty specifically does not apply to:

Any unit which has been altered from its original state by the customer or anyone acting on behalf of the customer other than the manufacturer.

Repairs necessitated by accident, abuse, or failure to use the product in a manner for which it was designed.

Failure by the customer to follow the normal installation, application and maintenance requirements of the manufacturer.

Loss of use of any system of which this unit is a part, loss of time, inconvenience or any other incidental or consequential damages sustained by the customer.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES OR CONDITIONS, INCLUDING ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE. THIS REMEDY OF REPAIR OR REPLACEMENT UNDER THIS WARRANTY IS EXCLUSIVE AND NEITHER THE MANUFACTURER NOR ITS AGENTS AUTHORIZE ANYONE TO ASSUME FOR THEM ANY OTHER OBLIGATION OF ANY FORM OTHER THAN THE OBLIGATION TO REPAIR OR REPLACE WHICH IS SET FORTH IN THIS WRITTEN WARRANTY. THIS WRITTEN WARRANTY COMPLETELY EXCLUDES THE MANUFACTURERS' RESPONSIBILITY FOR BUSINESS INTERRUPTIONS, LOSS OF PROFITS, PERSONAL INJURY, COSTS OR DELAY, OR ANY OTHER DIRECT OR INDIRECT INCIDENTAL OR CONSEQUENTIAL LOSSES, COSTS, OR DAMAGES. THE CUSTOMER ACCEPTS THIS WARRANTY AS AN EXPRESS CONDITION OF PURCHASE OF THIS UNIT.