Replace - Tsunami Water Separator

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IMPORTANT!

Please read this before performing any maintenance or service work to this equipment!

⚠ WARNING

If you have not read the Operation and Maintenance Manual and feel you were not properly trained DO NOT ATTEMPT TO OPERATE THIS MACHINE. Serious injury or death may result!

In order to ensure the safety of your employees, contract maintenance personnel, and yourself it is very important to “Lock Out & Tag Out” this equipment before performing any maintenance or service work on it. Depending on the equipment there will be areas that need to be addressed with Lock Out / Tag Out procedures

- Pneumatic

In each of the above areas it is necessary to ensure that it is impossible activate any input to the equipment while it is being worked on. There are a number of ways to accomplish this in each area. Due to this, each individual company should determine what system will work best for them and ensure that each employee strictly adheres to it. If you have any questions on how to start a Lock Out / Tag Out program, you can contact your State Department of Labor office and they would be happy to provide you with information and sources for materials.

⚠ WARNING

Maintenance is to be performed by trained personnel and while the machine is in a safe state to perform any maintenance. Machine must be in a safe state prior to any maintenance.

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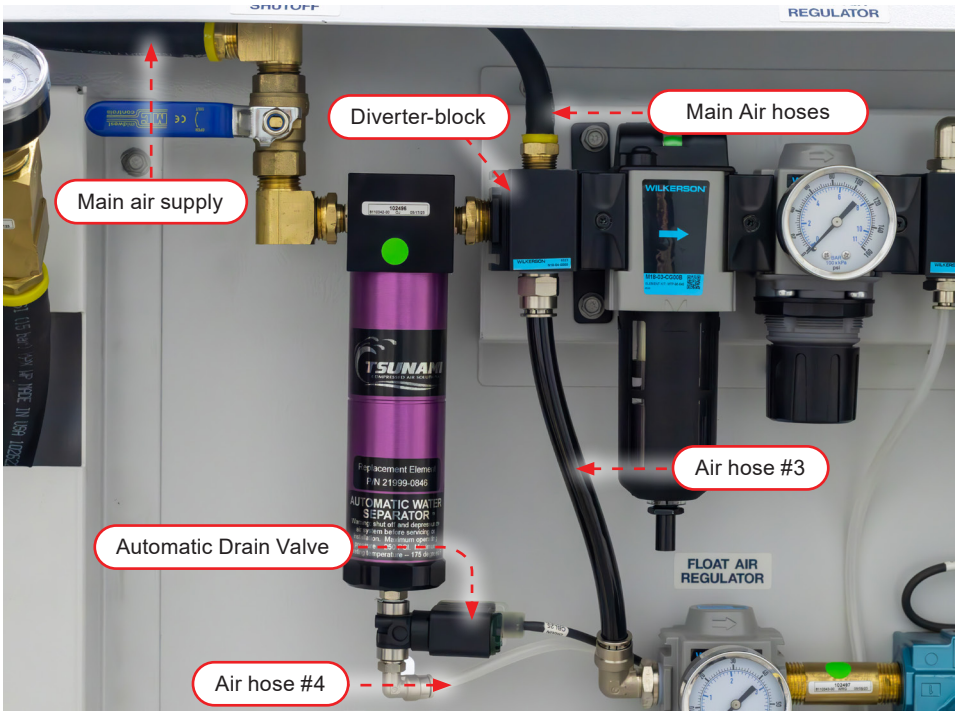
Description:

A step by step guide on replacing the Tsunami automatic water separator assembly.

Tools and Supplies:

- Wrench set
- Philips screwdriver
- Pliers
- Loctite 567 (or equivalent) or Teflon tape

1. Turn off the air at the source and machine. Confirm air pressure has been purged from the system.
2. Detach the main air supply, and the top and bottom air tube from the diverter-block between the Tsunami water separator and the coalescing filter.
3. Remove the air hose from the bottom of the Tsunami water separator.
4. Unscrew and separate the coil plug.





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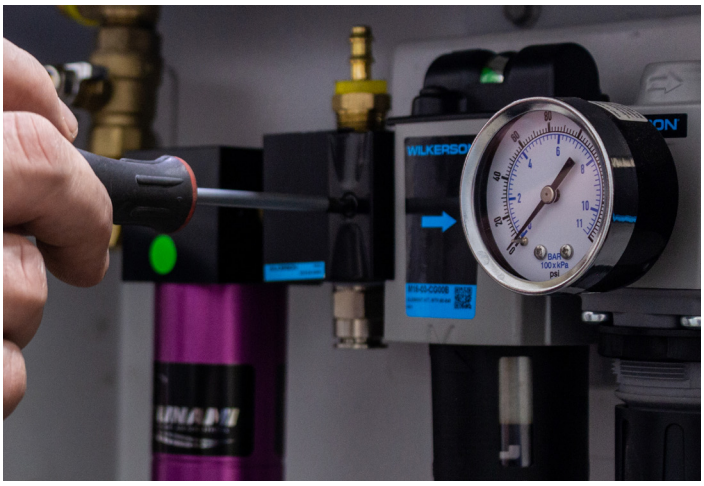
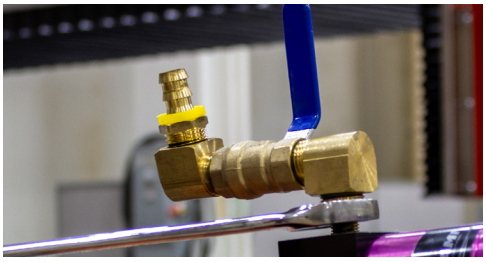
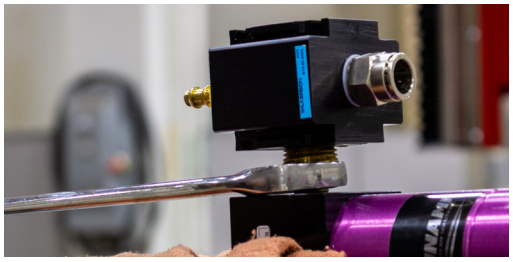
5. Remove the bracket on the side of the coalescing filter.
6. Remove the Tsunami Water Separator along with the elbows (2), ball valve, and diverter-block.

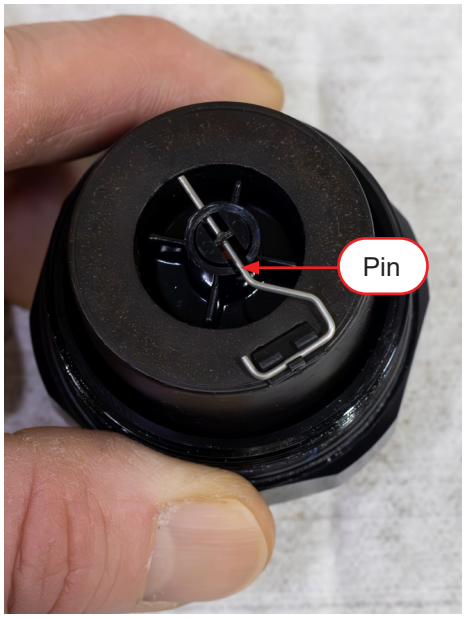
Note: *be careful not to lose the o-ring.*




7. Separate the Tsunami Water Separator from the assembly.


8. Remove the new Tsunami Water Separator's bottom cover.
9. Remove the pin to disassemble the float assembly. Remove the remaining float assembly.

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10. Add sealant, then attach the automatic drain valve ½” to the bottom cover.
11. Add sealant to the two pipe nipples on the elbow and diverter-block. Attach the ball valve pipe section to the inlet, and the diverter-block to the outlet. Attach to the Tsunami water separator ⅞” (for the manifold to Tsunami connection).

Note: *check that the o-rings are placed correctly in the coalescing bracket.*

Note: *An arrow on the water separator block will indicate direction of air flow.*





12. Attach the assembly, including the hoses and the coil plug.
13. Turn on the air from the source and machine; check for leaks.







