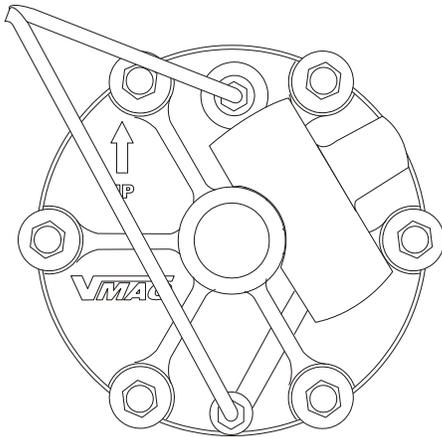


# VMAC A700152 Coalescing Separator Element Installation Instructions

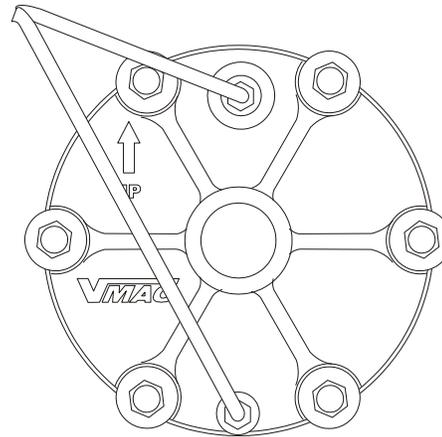
If the system has been operating, shut it off and wait at least 30 seconds for the air pressure to vent before performing service.



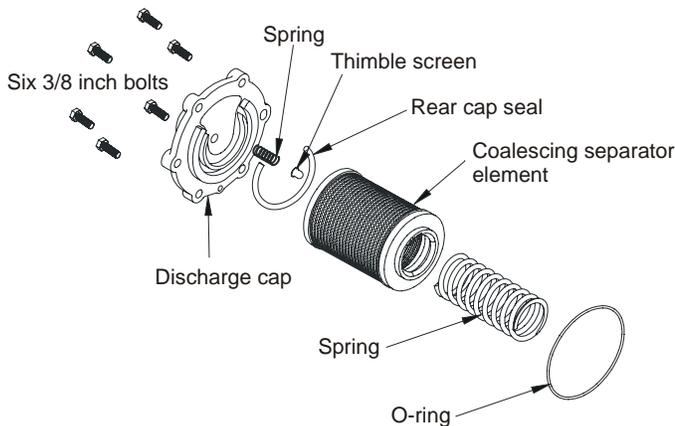
***If the tank does not have a rapid blow-down valve in the end cap, you must make sure that there is no pressure left in the system. If there is a pressure gauge, make sure that it is at zero before commencing service. If you are not sure, attach a tool or air nozzle to the air outlet and make sure that there is no pressure.***



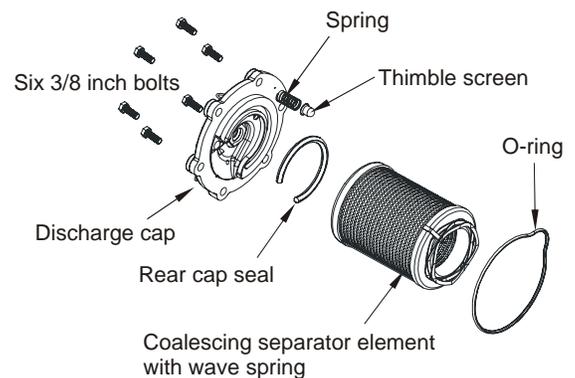
**Tank with rapid blow-down end cap**



**Tank without rapid blow-down end cap**



**Old coalescing element with coil spring**



**New coalescing element with wave spring**

1. Clean the back of the air/oil tank before removing the lines or the end cap.
2. Remove the air outlet hose and the two steel lines from the end cap. Carefully move the steel lines out of the way, making sure that they do not twist. Cap the line fittings to prevent contamination.
3. Remove the six 3/8 inch flange bolts retaining the tank end cap to the rear of the tank. Unscrew them evenly to avoid damaging the end cap, as the coalescing element is spring-loaded against the inside of the end cap.

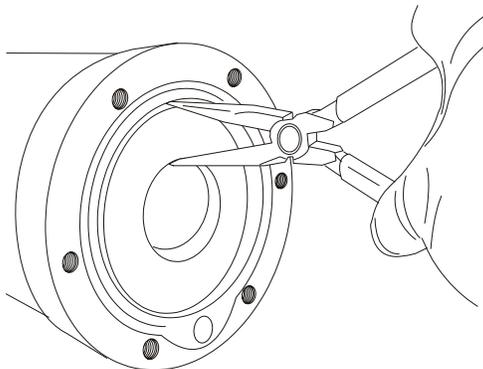
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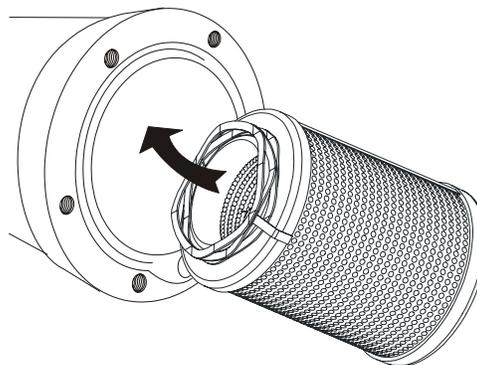
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- Use pliers to take out coalescing separator and spring from the tank. On older VR70 systems, remove and discard the large coil spring.



**Remove the old coalescing element**



**Insert the new element spring first**

- Wipe out the inside of the tank. Do not use solvents as residue in the tank could result in an explosion hazard.
- Insert the new coalescing assembly into the tank. Make sure that the element seats correctly.
- Check the condition of the O-ring and rear cap seal and replace them if necessary.
- Place the end cap in position on the end of the tank, align the bolt holes on the cover with the holes in the tank and push it into place against the spring. Install the six 3/8 inch flange bolts and tighten them down evenly to prevent damage to the cover, then torque them to 47 ft-lb.
- Install the steel lines and outlet hose and tighten the fittings securely.
- Operate the system and check for leaks.

Document #1900881

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0	New document	IB 15 Dec 2006		

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