



## AIRSEPT'S A/C FLUSH MACHINE WITH DUAL-TANK AND SOUND-SILENCE TECHNOLOGY™

### IMPORTANT – READ COMPLETE MANUAL BEFORE OPERATING

Thank you for purchasing AirSept's A/C Flush Machine with Dual Tank and **SoundSilence Technology™**. Please make sure to follow the Initial Machine Set-Up and Operating Instructions closely.

If you have any questions, or are missing any parts, please contact AirSept directly by calling 1-678-973-2287, via email ([information@airsept.com](mailto:information@airsept.com)), or by AirSept's Facebook page.

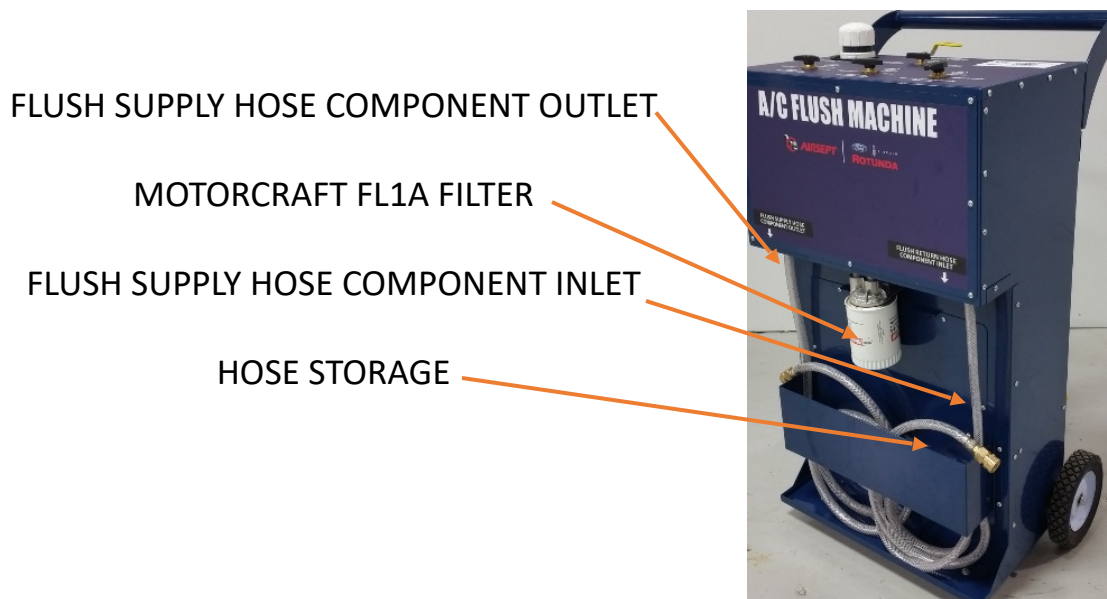
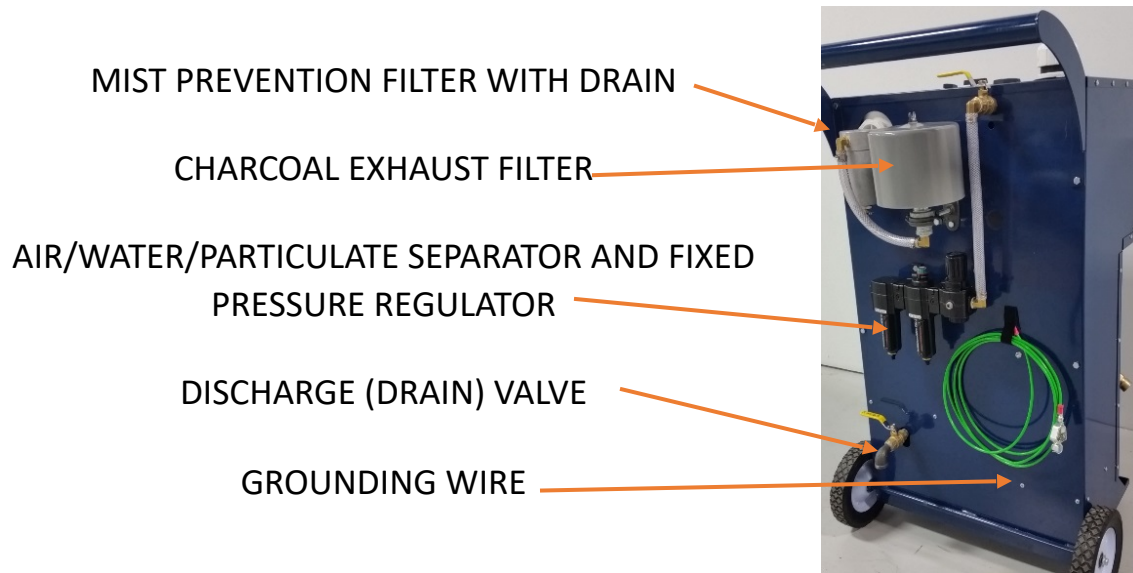
### MACHINE SET-UP

- 1) Remove the shipping carton.
- 2) Unscrew the bolt holding the A/C Flush Machine to the pallet.
- 3) Remove the Machine from the pallet.
- 4) Inspect for any visible damage. Please report any damage immediately to your freight carrier AND AirSept, Inc.
- 5) Attach appropriate air coupler to the inlet of the Air/Water/Oil Separator on the back of the machine. The Air/Water/Oil Separator has a 1/2" inlet. For your convenience, we have included a bushing to reduce the inlet from 1/2" to 3/8", if necessary (see picture below).
- 6) The A/C Flush Machine is ready to use.

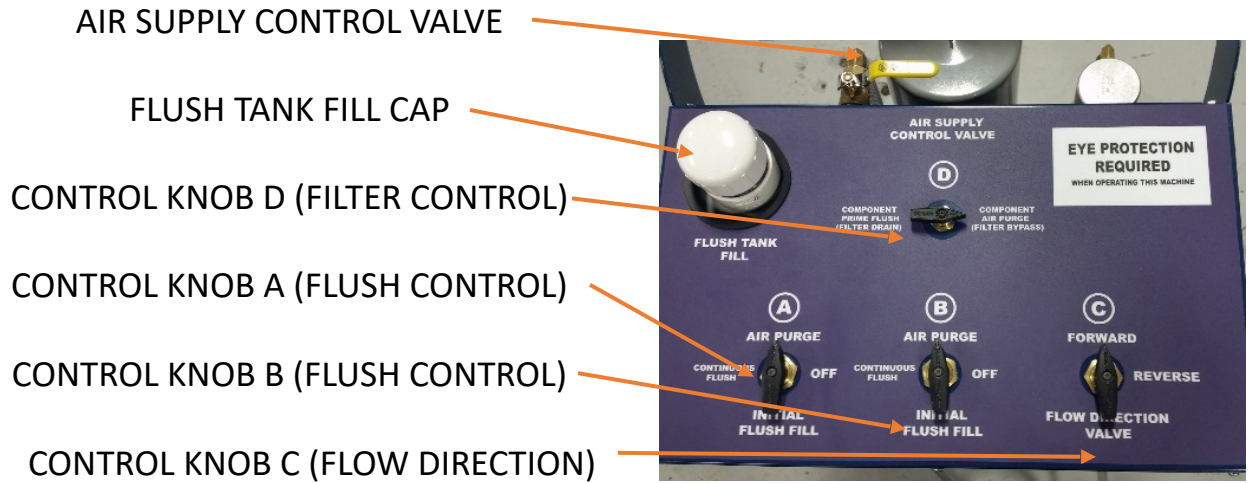
Attach shop air here



## IMPORTANT MACHINE COMPONENTS



## TOP VIEW





## SAFETY PRECAUTIONS

### **WARNING:**

**Failure to follow these Safety Precautions and instructions properly can result in serious injury. In addition, failure to follow these Safety Precautions as outlined in this Operation Manual can result in damage to the engine, vehicle or equipment which will not be covered under warranty.**

- Read and understand the Operation Manual completely before operating this unit.
- Always wear proper eye and skin protection when operating and maintaining this equipment.
- Always drain the flushing solvent in between each use, before storing the machine or before transporting the machine.
- Keep the unit away from open flames and sparks.
- Do NOT disassemble the machine.
- Do NOT replace any component with unauthorized components.
- Use approved U-Haul flush chemical only.
- Dispose of any fluids according to your local, state and federal regulations.
- Contact your chemical supplier for a copy of the approved U-Haul Flush Material Safety Data Sheets (MSDS).
- Make sure to follow the Safety Precautions as supplied with the approved U-Haul flush.
- Always operate unit in a well-ventilated area.
- Always make sure unit is grounded properly before operation.



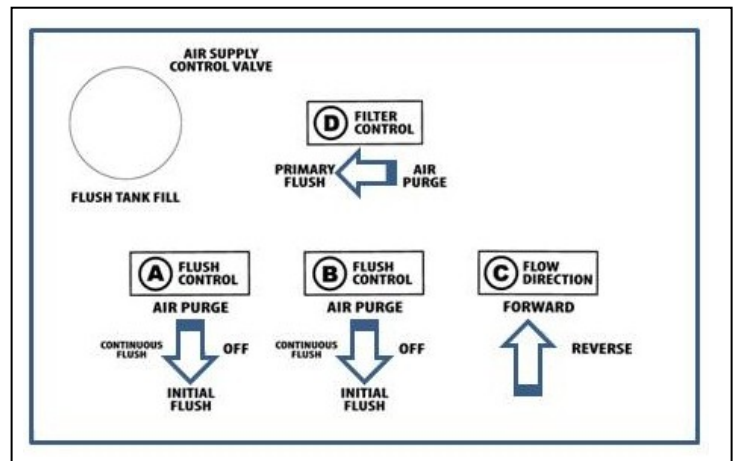
## CONNECTING TO THE COMPONENT

1. Place the AIR SUPPLY CONTROL VALVE in the off position.
  2. Attach shop air to the AIR INLET on the back of the machine.  
*NOTE: The pressure regulator is set for 55 PSI and should never exceed that limit. The air pump used in the continuous flush function has a working capacity of 55 PSI.*
  3. Remove the cap of the FLUSH TANK FILL and pour one (1) gallon of U-Haul Flush into the tank. *NOTE: Only use NEW flush in this tank. DO NOT OVERFILL.*
  4. Using standard PAG Oil, lightly oil the threads and just above the threads on the inside of the cap. Screw cap on. Firmly tighten by hand. DO NOT USE A WRENCH.
  5. Attach the flush hose marked “FLUSH SUPPLY HOSE COMPONENT OUTLET” to the outlet side of the component to be flushed (evaporator, condenser, or hoses).
  6. Attach the hose marked “FLUSH RETURN HOSE COMPONENT INLET” to the inlet side of the component being flushed in Step 5.
  7. Check for leaks –
    - i) Turn CONTROL KNOBS A, B and D to the AIR PURGE position and CONTROL KNOB C to the FORWARD position.
    - ii) Crack the AIR SUPPLY CONTROL VALVE and allow a small amount of air to flow. Feel your flush couplers for leaks (better to leak air than flush). If couplers are leaking, repair and retest for leaks.
- NOTE: IF NO AIR IS FLOWING –THERE IS A BLOCKAGE.** Turn the AIR SUPPLY CONTROL VALVE to the OFF position and disconnect the shop compressed air line. Then turn the AIR SUPPLY CONTROL VALVE to the ON position and allow the air to escape.
- iii) Turn AIR SUPPLY CONTROL VALVE to the OFF position and CONTROL KNOBS A and B back to the OFF position.

## INITIAL FLUSH FILL (TRANSFERRING LIQUID FROM TANK 1 TO TANK 2)

**NOTE- MAKE SURE AIR SUPPLY CONTROL VALVE IS IN THE OFF POSITION BEFORE MOVING CONTROL KNOBS A and B.**

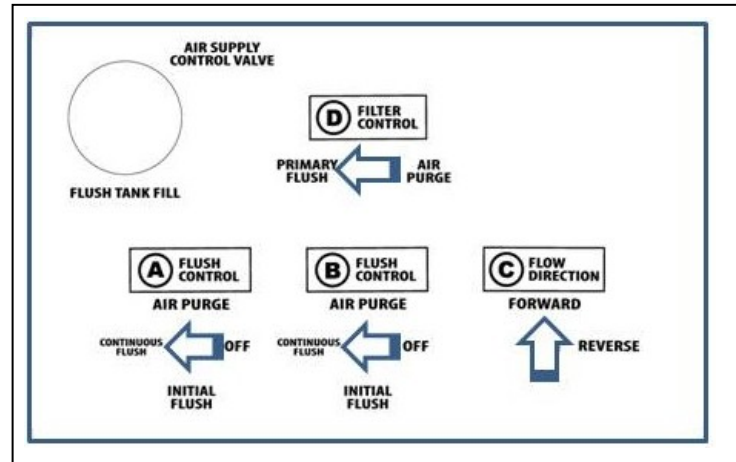
- 8) With the AIR SUPPLY CONTROL VALVE in the OFF position, place CONTROL KNOBS A & B in the INITIAL FLUSH position, turn CONTROL KNOB D to the PRIMARY FLUSH position and make sure CONTROL KNOB C is in the FORWARD position.
- 9) Turn the AIR SUPPLY CONTROL VALVE to ON and the initial flush process will begin.
- 10) When the flush lines to/from the component are clear and only air is flowing, the initial flush tank is empty. This process should take less than 5 minutes.
- 11) Turn the AIR SUPPLY CONTROL VALVE to OFF.



## CONTINUOUS FLUSH

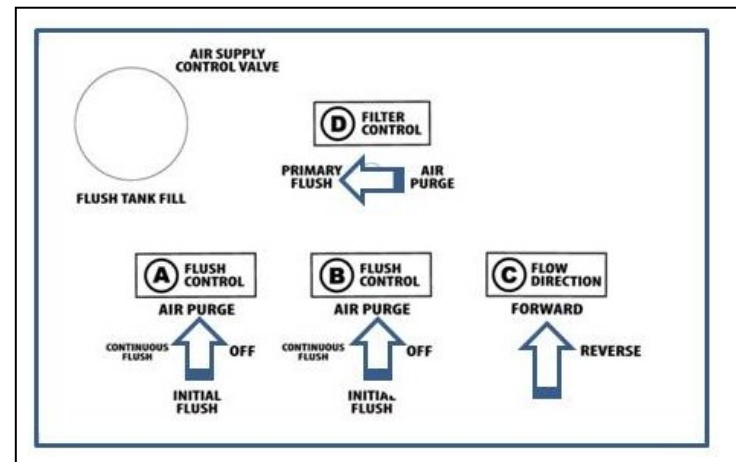
**NOTE- MAKE SURE AIR SUPPLY CONTROL VALVE IS IN THE OFF POSITION BEFORE MOVING CONTROL KNOBS A and B.**

- 12) With the AIR SUPPLY CONTROL VALVE in the off position, move CONTROL KNOBS A and B to the CONTINUOUS FLUSH position.
- 13) Turn the AIR SUPPLY CONTROL VALVE to ON and start the continuous flush function for a minimum of 15 minutes.
- 14) Once the continuous flush function for the component is complete, turn the AIR SUPPLY CONTROL VALVE to the OFF position.



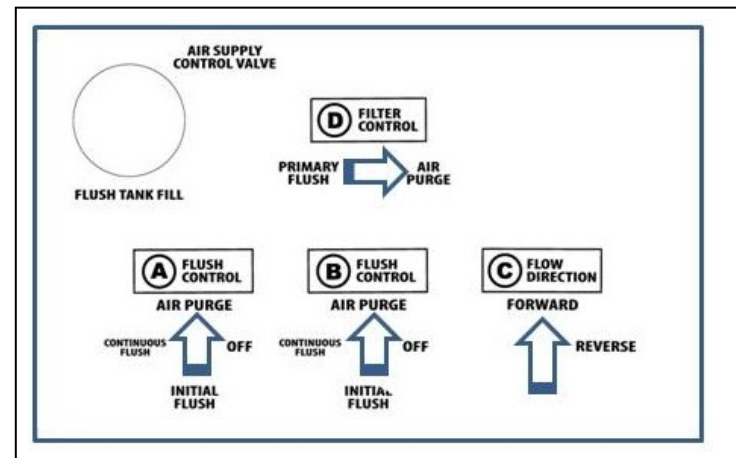
## INITIAL AIR PURGE PROCEDURE (TO DRAIN FLUSH FLUID FROM FL-1A FILTER)

- 15) With the AIR SUPPLY CONTROL VALVE in the OFF position, move CONTROL KNOBS A and B to the AIR PURGE position. Make sure CONTROL KNOB C is in the FORWARD position. CONTROL KNOB D should remain in the PRIMARY FLUSH position.
- 16) Turn the AIR CONTROL SUPPLY VALVE to the ON position for 5 minutes.



## CONTINUED AIR PURGE PROCEDURE

- 17) After 5 minutes, move CONTROL KNOB D to the AIR PURGE position for 25 more minutes. (Note - this can be done while the machine is running).
- 18) After air purge is complete, turn the AIR SUPPLY CONTROL VALVE to the OFF position.
- 19) Disconnect the hoses from the component.



## CHANGING TO A NEW COMPONENT

- 20) Using the correct adaptors (supplied separately), attach the flush hose marked “FLUSH SUPPLY HOSE COMPONENT OUTLET” to the outlet side of the component to be flushed (evaporator, condenser, or hoses).
- 21) Using the correct adaptors (supplied separately), attach the hose marked “FLUSH RETURN HOSE COMPONENT INLET” to the inlet side of the component being flushed in Step 20.
- 22) Check for leaks –
  - i) Turn CONTROL KNOBS A, B and D to the AIR PURGE position and CONTROL KNOB C to the FORWARD position.
  - ii) Crack the AIR SUPPLY CONTROL VALVE and allow a small amount of air to flow. Feel your flush couplers for leaks (better to leak air than flush). If couplers are leaking, repair and retest for leaks.

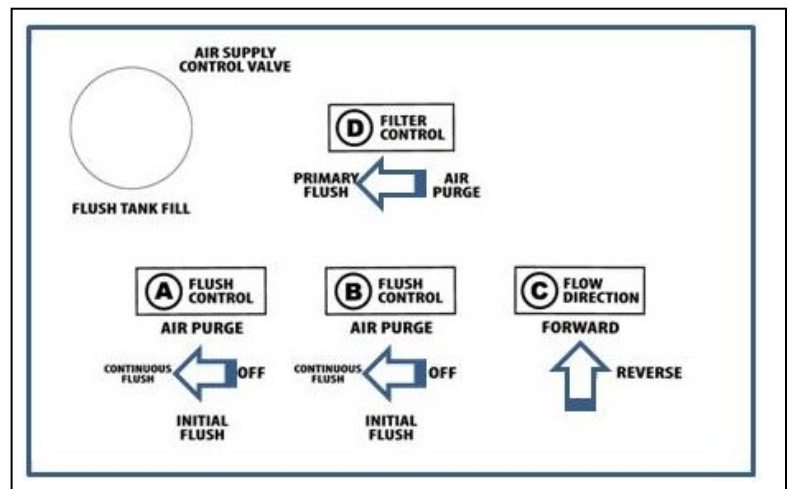
NOTE: IF NO AIR IS FLOWING –THERE IS A BLOCKAGE. Turn the AIR SUPPLY CONTROL VALVE to the OFF position and disconnect the shop compressed air line. Then turn the AIR SUPPLY CONTROL VALVE to the ON position and allow the air to escape.

- iii) Turn AIR SUPPLY CONTROL VALVE to the OFF position and CONTROL KNOBS A and B back to the OFF position.

## FLUSH PROCEDURE FOR THE REMAINING COMPONENTS

NOTE- MAKE SURE AIR SUPPLY CONTROL VALVE IS IN THE OFF POSITION BEFORE MOVING CONTROL KNOBS A and B.

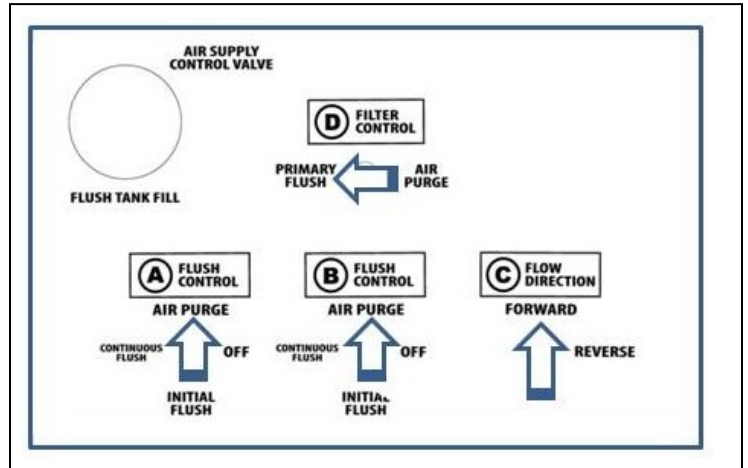
- 23) With the AIR SUPPLY CONTROL VALVE in the OFF position, turn CONTROL KNOB A and B to the CONTINUOUS FLUSH position and turn CONTROL KNOB D to the PRIMARY FLUSH position. Make sure CONTROL KNOB C is in the FORWARD position.
- 24) Move the AIR SUPPLY CONTROL VALVE to ON and start the continuous flush function for 15 minutes.
- 25) Once the continuous flush function for the component is complete, turn the AIR SUPPLY CONTROL VALVE to the OFF position.





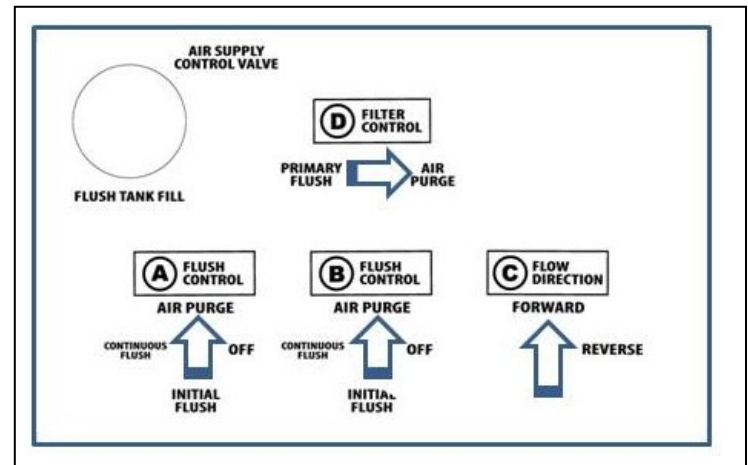
## INITIAL AIR PURGE PROCEDURE (TO DRAIN FLUSH FLUID FROM FL-1A FILTER)

- 26) With the AIR SUPPLY CONTROL VALVE in the OFF position, move CONTROL KNOBS A and B to the AIR PURGE position. Make sure CONTROL KNOB C is in the FORWARD position. CONTROL KNOB D should remain in the PRIMARY FLUSH position.
- 27) Turn the AIR CONTROL SUPPLY VALVE to the ON position for 5 minutes.



## CONTINUED AIR PURGE PROCEDURE

- 28) After 5 minutes, move CONTROL KNOB D to the COMPONENT AIR PURGE (FILTER BYPASS) position for 25 more minutes (Note - this can be done while the machine is running).
- 29) After air purge is complete, turn the AIR SUPPLY CONTROL VALVE to the OFF position.
- 30) Disconnect the hoses from the component.

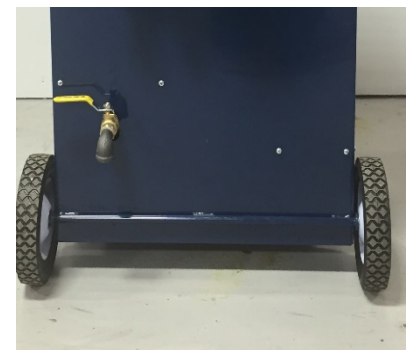


## ADDITIONAL COMPONENTS

- 31) REPEAT STEPS 20-30 for additional components associated with the same repair.

## DRAINING FLUID FROM TANK

- 32) After flushing and air purging of the last component, make sure the AIR SUPPLY CONTROL VALVE is in the OFF position and turn CONTROL KNOBS A and B to the OFF position.
- 33) Place a drain pan under the DISCHARGE VALVE on the back of machine. Open the DISCHARGE VALVE and drain all of the used flush from the tank.
- 34) Close DISCHARGE VALVE. Remove and replace the primary FL1A filter (see next page). Discard used flush material and FL1A filter according to local, state and federal regulations.





## MOTORCRAFT FL-1A FILTER (OR EQUIVALENT) REPLACEMENT

The FL-1A spin-on Filter (or equivalent) needs to be replaced after every vehicle flush.

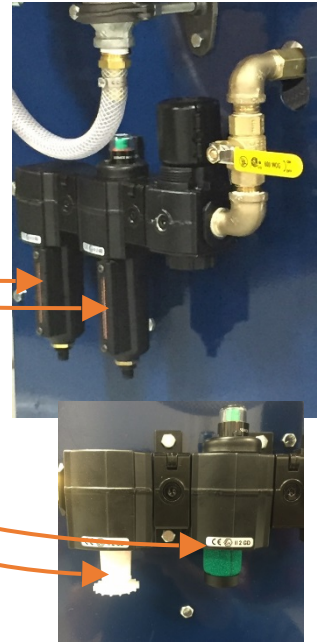
- 1) Locate the Motorcraft FL-1A filter on the front of the machine.
- 2) To remove, turn the filter clockwise as viewed from the top.
- 3) Apply a small amount of lubricant to a new FL-1A filter gasket.
- 4) Install new Motorcraft FL-1A filter by turning counter-clockwise as viewed from the top. **HAND TIGHTEN ONLY.**



## INLET FILTRATION CARTRIDGE FILTER SET REPLACEMENT

The Inlet Filtration Cartridge Filter Set needs to be replaced after every 100 flush and air purge vehicle services.

- 1) Locate the Coalescing Filter and General Particle Filter on the back of the machine.
- 2) Turn the Filter Bowls clockwise, as viewed from the top, to remove.
- 3) Remove the filters by turning them clockwise. Install new filters by turning counter-clockwise.
- 4) Re-install the Filter Bowls by turning counter-clockwise.



## CHARCOAL EXHAUST FILTER REPLACEMENT

The Charcoal Exhaust Filter element needs to be replaced after every 25 flush and air purge vehicle services.

- 1) Locate Charcoal Exhaust Filter in a large grey housing on the back of the machine directly above the Inlet Filtration Units.
- 2) Unscrew the wingnut holding the grey top in place.
- 3) Remove the old Charcoal Filter by pulling straight up and replace with a new Charcoal Filter.
- 4) Re-install the grey housing over the Charcoal Filter.





## **FREQUENTLY ASKED QUESTIONS**

### **1) How often should I change the Inlet Filtration Cartridge Set?**

This filter set should be changed every 100 flush and purge cycles. If the indicator light on the second filter turns red before the 100 flush and purge cycles, you will need to replace the filter set.

### **2) Do we ever need to clean the tanks?**

As long as the approved fluid is being used, the tanks should not need cleaning. If you use the incorrect fluid, utilizing distilled water, you will need to flush multiple times in both the Initial Flush Mode and the Continuous Flush Mode.

### **3) How often should we replace hoses or couplers?**

Over a period of time, if the machine is not stored in a climate controlled area, the hoses may dry out. Replacement hoses and couplers are available by calling 1-678-973-2287.

### **4) What do we do if there is a function/service issue?**

For any service related questions, please call 1-678-973-2287 for technical support. The machine is designed with modular components that can easily be replaced by the machine owner.

### **5) Is there anything internally that needs to be maintained?**

There is no internal maintenance required.

### **6) Do we ever need to change the pressure in the pressure regulator?**

The pressure regulator is pre-set to 55 PSI. There should be no need to change it.

### **7) I hear air leaking from my Flush Fill Tank Cap. Is this normal?**

If Control Knob B is in the INITIAL FLUSH position and Control Knob A is not, the Initial Flush Tank can become pressurized. The cap is designed to allow air to slowly release from the tank. If this happens, simply move Control Knob A to the INITIAL FLUSH position (Keeping Control Knob in the INITIAL FLUSH position also).



### **DELIVERY; NOTICE AND CLAIM OF DEFECT**

Ordered products shall be deemed to have been duly delivered by Company to Customer when Company has notified Representative or Customer that such products are ready and at Customer's disposal and Company also has identified, set aside or otherwise allocated Products as being Customer's ordered Products. All risk (including, but not limited to, risk of loss and damage), charges, and expenses respecting ordered Products, automatically shall be transferred and passed from Company to Customer upon such delivery at Company's facility.

Customer shall promptly inspect and test the Products upon receipt. To the extent that any defects, shortages or nonconformities in the Products are discoverable by testing or inspection of the Products, all obligations of the Company with respect to such defects, shortages or nonconformities shall be deemed to be satisfied, and the Products shall be deemed to be free of such defects, shortages or nonconformities, unless Customer notifies the Company of such defects, shortages or nonconformities in writing within ten (10) days after the date of Receipt (as defined below). Claims for in-transit damages must be made with the delivering carrier. For purposes of this provision, goods shall be deemed received ("Receipt") upon Customer's actual receipt of the goods or twenty (20) days after delivery, whichever occurs first.

### **WARRANTY ON PRODUCTS**

#### **A. Standard One Year Limited Warranty.**

AIRSEPT WARRANTS TO ITS PURCHASER THAT ITS PRODUCTS (TOOLS, EQUIPMENT AND CHEMICALS), IF PROPERLY USED AND/OR APPLIED, WILL BE FREE OF DEFECTS IN MATERIAL AND WORKMANSHIP FOR ONE (1) YEAR FROM THE DATE OF PURCHASE. AIRSEPT'S SOLE AND EXCLUSIVE OBLIGATION FOR DEFECTIVE PRODUCT SHALL BE LIMITED TO REPAIR, REPLACEMENT OR REFUND IN ITS SOLE DISCRETION. THE WARRANTY SHALL NOT APPLY TO ANY PRODUCT OR PART, WHICH HAS BEEN SUBJECT TO MISUSE, NEGLIGENCE OR ACCIDENT. *THIS WARRANTY IS EXPRESSLY MADE BY AIRSEPT AND ACCEPTED BY ITS PURCHASER IN LIEU OF ANY OTHER WARRANTIES, WHETHER WRITTEN, ORAL, STATUTORY, EXPRESS OR IMPLIED. NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE SHALL APPLY.* THIS WARRANTY DOES NOT COVER THE COST OF ANY APPLICATION OR REAPPLICATION OF ANY PRODUCT. UNDER NO CIRCUMSTANCES SHALL COMPANY BE LIABLE FOR ANY LOSS OF, OR DAMAGE TO PROPERTY OR PERSONS, DIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES, ARISING OUT OF THE USE, INABILITY TO USE OR APPLICATION OF ANY PRODUCT. COMPANY PRODUCTS ARE DESIGNED FOR PROFESSIONAL USE ONLY. COMPANY MAKES NO WARRANTY TO PURCHASER'S CUSTOMER. PROOF OF PURCHASE REQUIRED FOR ALL WARRANTY CLAIMS.

### **VENUE OF DISPUTES**

Venue for ALL disputes between the Company and any customer arising out of or related to the sale and/or use of AirSept, Inc.'s products which cannot be settled amicably by the parties, shall only be in the courts of Fulton County or the United States Federal Courts for the Northern District of Georgia, Atlanta Division. The rights of the parties to the purchase and sale of AirSept, Inc.'s products shall be construed, and governed by the laws of the State of Georgia, including its provisions of the Uniform Commercial Code.





