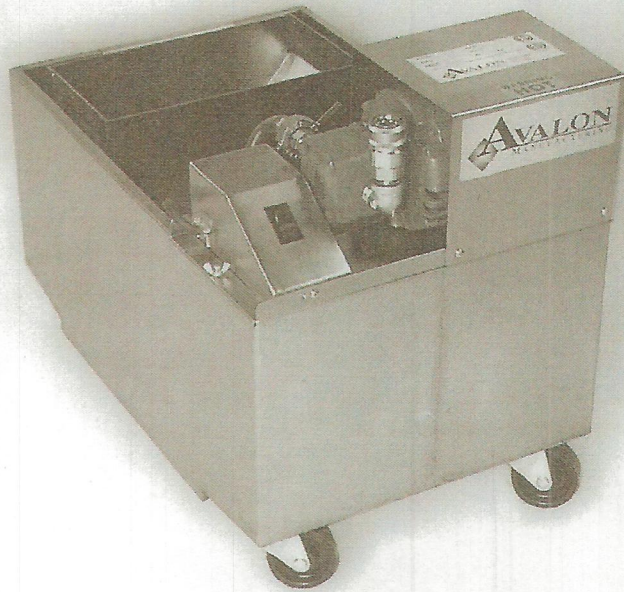


**AVALON**  
MANUFACTURING  
DONUT ♦ BAKERY ♦ CUSTOM FOOD EQUIPMENT

509 BATEMAN CIRCLE ♦ CORONA, CA 92880

909/340-0280 ♦ 800/676-3040 ♦ FAX 909/340-0283



**PORTABLE OIL / SHORTENING FILTERS**





# PORTABLE OIL / SHORTENING FILTERS



◆◆◆ Pictured in storage position under donut fryer.

The Avalon Shortening Filter is of Stainless Steel construction equipped with a Sediment Catch Basket, Quick Disconnect Filter Hose with Poly Handle, Thermo-guard Motor with On/Off switch and Stainless Steel Motor/Pump cover. All parts are easily removed without tools for easy cleaning.



◆◆◆ High temperature food grade oil hose.

MODEL	DESCRIPTION	ELECTRICAL	APX. SHIPPING WEIGHT
ARF20	FOR USE WITH 20" x 20" FRYERS	115 V./60 HZ./1 PH. 6.5 AMPS	110 LBS.
ARF26	FOR USE WITH 18" x 26" FRYERS	115 V./60 HZ./1 PH. 6.5 AMPS	110 LBS.
ARF24	FOR USE WITH 24" x 24" FRYERS	115 V./60 HZ./1 PH. 6.5 AMPS	125 LBS.
ARF34	FOR USE WITH 24" x 34" FRYERS	115 V./60 HZ./1 PH. 6.5 AMPS	160 LBS.

- ◆◆◆ Available in 230V./50-60 HZ./1 PH. (3.25 AMPS)
- ◆◆◆ Custom Sizes Available

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(800) 676-3040

INSTALLATION, OPERATING & MAINTENANCE INSTRUCTIONS  
FOR AVALON OIL/SHORTENING FILTERS

MODEL NO. \_\_\_\_\_  
SERIAL NO. \_\_\_\_\_

**FOR YOUR SAFETY**

Do not store gasoline or other flammable vapors or liquids in the vicinity of this or any other appliance.

**WARNING:** Improper installation, alteration, servicing or maintenance can cause property damage, injury, or death. Read the installation, operating, and maintenance instructions thoroughly before installing or servicing this equipment.

**WARNING - ELECTRICAL GROUNDING INSTRUCTIONS:** This appliance is equipped with a three-prong (grounding) plug for your protection against shock hazard and should be plugged directly into a properly grounded three-prong receptacle. Do not cut or remove the grounding prong from this plug.

**WARNING:** Before moving Proofing Cabinet always remove water from pan and any produce from inside cabinet. Check to make sure power switch is in off position and unplug from receptacle.

PLEASE RETAIN FOR FUTURE REFERENCE





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**INSTALLATION, OPERATING & MAINTENANCE INSTRUCTIONS  
FOR AVALON SHORTENING FILTERS**

**(MODELS: ARF20, ARF24, ARF26, ARF34)**

**PREPARATION:**

Filter Screen Assembly - Place factory approved grade paper envelope over filter screen. Fold open end, making sure the fold is on the bottom side of screen. (Hole of envelope should be on upper side so that filter screen threaded part is able to poke through.) Attach filter screen stem to screen and place the filter screen assembly in the container. Attach the union nut to "Suction" side of the power unit. Tighten union nut by hand only. Clip pre-filter sediment catch basket (Perforated Metal strainer basket) to rear end of container. Attach filter hose to discharge side of power unit with quick disconnect fittings, make sure fittings are fully connected. Your filtering system is now assembled and ready to use.

**FILTER OPERATION:**

Open the door to the fryer and roll filter in or out. Positioning the filter in such a way that the pre-filter basket is directly underneath the fryer drain valve. You should now plug the filter male receptacle to the female receptacle inside the fryer cabinet. (Make sure the power switch is in the off position before plugging in filter to fryer.) With the shortening filter assembled and placed in position and making sure all connections are in order. You are now ready to begin draining you frypot and filtering your oil/shortening.

With oil/shortening at approximately 300 - 350 Degrees F, turn off fryer, and open fryer drain valve to allow oil/shortening to drain into the filter container, and turn on the power switch. Oil/shortening will be recirculated into the fryer and by directing the nozzle, sediment can be washed out of the frypot. When the sediment has been completely washed out from the fryer, turn power switch off. Close fryer drain valve and turn on power again the filtered oil/shortening is now being pumped back into the fryer. When the oil/shortening is returned completely to the fryer, turn off power, and unplug the filter from the fryer, the fryer is now ready to use again.

**CARE AND CLEANING:**

**CAUTION: BE SURE PARTS HAVE COOLED BEFORE HANDLING/CLEANING.**

Remove the filter to your cleaning area. Disconnect the filter screen assembly and the filter hose. Hold hose upright over container, allowing any excess oil/shortening to drain into container. Raise pump and motor assembly end up allowing any excess oil/shortening in pump to drain back into container. (Draining the pump is extremely important.) you may now wash and rinse all parts making sure you thoroughly dry each part. Outside of container can also be cleaned using a stainless steel cleaner/polish. After your filter has been thoroughly cleaned and dried. Reassemble the various components, replace paper filter envelope on screen and the unit is ready for the next filter cycle. Filter may be stored underneath fryer.





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## AVALON OIL/SHORTENING FILTER SERVICE INSTRUCTIONS

These service instructions are intended as a guide to correct certain problems which may be encountered. If you have any questions, please call the Service Department at 1-800-676-3040.

**CAUTION: ALWAYS UNPLUG THE POWER UNIT WHEN WORKING ON ELECTRICAL ITEMS.**

PROBLEM	PROBABLE CAUSE	CORRECTIVE ACTION
1. Motor does not work.	A) Loose or Broken Wire  B) Reset Button not positioned Correctly  C) Defective Switch D) Defective Motor E) Hardened oil/shortening in pump	1. Loose Wire - reattach wire to proper terminal on switch or motor. Broken Wire - replace with a new one rated the same as the original.  2. Remove clear plastic plug from the bottom of the power unit base, reach in and push in red button on the motor until a "click" is heard. Replace plastic plug before resuming operation.  3. Replace Switch 4. Replace Motor 5. Remove pump, disassemble and, using a clean cloth, remove hardened oil/shortening from gears and inside of pump. and insure gear shaft rotates freely before attaching pump to motor. Reset red button on motor.

Note: For all corrective actions except 1B2, the pump nipple/socket and power unit housing cover need to be removed. reattach them once the corrective action has been completed.

PROBLEM	PROBABLE CAUSE	CORRECTIVE ACTION
1. Lack of Suction or Discharge Action	A) Hardened oil/shortening in pump B) Hardened oil/shortening in hose  C) Loose Fittings  D) Overused Filter Cloth Bag or Filter Paper Envelopes E) Cracked and/or swollen Hose.	6. See 5 above  7. Place hose near heat source to loosen hardened oil/shortening. Place drip pan under hose to contain oil. 8. Check tightness of fittings at screen, stem, ball end/union nut and pump nipple/socket. 9. Replace Cloth Filter Bag or Filter Paper Envelope. 10. Replace Hose.



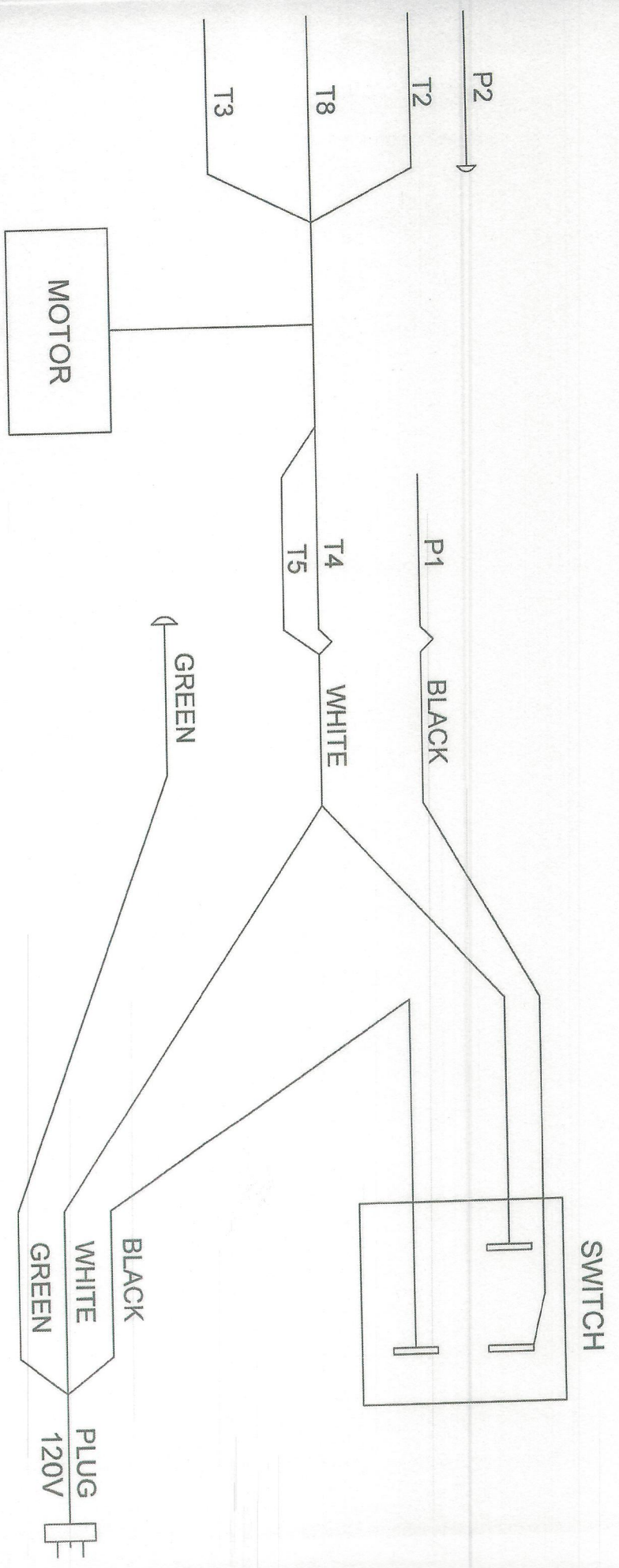




# FILTER WIRING DIAGRAM

ARF20, ARF24, ARF26, ARF34

120/60/1







## LIMITED WARRANTY

Avalon Mfg. warranty to the original purchaser that its equipment will be free from defects in workmanship for a period of one (1) year and that by labor cost(s) pertaining to the replacement or repair of said defective part will be covered by the manufacturer, (hereinafter referred to as Avalon), for a period of not more than ninety (90) days, both from the date of original sale.

The purchaser is responsible for proper installation, operation under normal conditions with proper supervision, and the performance of preventative maintenance. Avalon's obligation under this warranty shall be for the replacement or repair of said defective parts within the above mentioned warranty period. After thorough examination and inspection, decision of Avalon's Service Department and/or Avalon's Authorized Service Agencies shall be final. The procedure for parts replacement during the warranty period is as follows:

1. Avalon will ship and invoice new parts to the purchaser:
2. Credit for these new parts will be issued upon the receipt of defective parts.
3. All shipping charges for the return of these parts are the responsibility of the Purchaser.
4. All returned defective parts must be properly packed and tagged, stating serial number model number, invoice number(s), and date, before shipment to:

Avalon Mfg.  
509 Bateman Circle  
Corona. CA 92880

Avalon will not, however, assume responsibility for any expenses (including labor) incurred in the field incidental to the repair or replacement of equipment covered by this warranty or from the obtainment of the above information.

Avalon's obligation hereunder to repair or replace defective part(s) is the exclusive remedy for breach of this warranty; and Avalon will not be liable for any other damages or claims, including consequential damages.

Avalon will not honor any warranty for defective parts and labor should the Purchaser alter, abuse or misuse the equipment originally shipped in any way or if any part thereof has been used for other than specific purpose it was manufactured for.

No representative, dealer, distributor or any other person is authorized or permitted to make any other warranties or obligate Avalon to any liability that is not in strict accordance with this policy. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, WHETHER EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY, AND FITNESS FOR A PARTICULAR PURPOSE AND AVALON DOES NOT HEREBY EXCLUDE AND SHALL NOT BE LIABLE TO PURCHASER FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO DAMAGES TO PROPERTY DAMAGES FOR LOSS OF USE, LOSS OF TIME, LOSS OF PROFITS, OR INCOME RESULTING FROM ANY BREACH OF WARRANTY.