



ER KleenScreen PLUS® FILTRATION SYSTEM

Built-In Filtration System For 1ERF Fryers



Model 1ER50AF

Shown with optional casters



SPECIFICATIONS

Built-in filter system, Vulcan Model 1 ER (lb. capacity 50 or 85) (control type A, D, or C) F (add suffix -F to fryer battery Model No., i.e. 1ER50DF). Filter system accommodates one 50 lbs. or one 85 lbs. fryer. 1/3 H.P. motor and pump circulates hot frying compound at the rate of 8 gallons per minute, activated by a one touch push button switch. System provided standard with stainless steel mesh filter screen. Optional KleenScreen PLUS® envelopes filter out particulate down to .5 microns. Standard equipment comes on legs, has a tank brush and clean-out rod. Hands free oil return line connection. Drain valve interlock switch turns fryer's heating elements off when drain valve is opened. Power supply is 208 volt, 60 Hz, 3 phase.

NSF listed. CSA design certified.

Specify voltage when ordering.

Project _____

AIA # _____ SIS # _____

Item # _____ Quantity _____ C.S.I. Section 114000

STANDARD FEATURES

- Filter system accommodates 1ER50F or 1ER85F.
- Choose from Solid State Analog Knob Control (A), Solid State, Digital (D) or Computer (C) Controls.
- Boil Out ByPass™ easily removes boil out solution from fry tank without contact of drain manifold, filter pan or motor/pump.
- Drain valve interlock switch (DVI) shuts off heating elements when drain valve is opened.
- 18 gauge stainless steel filter pan. 65 lbs. frying compound capacity on 1ER50F, 100 lbs. capacity on 1ER85F.
- 6" adjustable legs.
- Stainless steel mesh 2-sided filter screen; 1ER50F = 220 sq. inches; 1ER85F = 462 sq. inches.
- 1/3 H.P. motor and pump circulates frying compound at a rate of 8.0 gallons per minute.
- 4' high temperature discard hose.
- One touch push button switch to engage pump and motor (solid state controls).
- Tank brush and clean-out rod.
- One year limited parts and labor warranty.
- 10 year limited fry tank warranty.

OPTIONAL FEATURES (FACTORY INSTALLED)

- ☐ 480 volt, 3 phase (NEMA 5-15P).
(Separate 120 volt, 20 amp electric supply required.)
Not for sale in Canada.
- ☐ Second year extended limited parts and labor warranty.

ACCESSORIES (PACKAGED AND SOLD SEPARATELY)

- ☐ Stainless steel tank cover – doubles as a work surface top.
- ☐ Micro-Filtration Fabric Envelopes – 6 filters/per package.
- ☐ Casters, adjustable (2 locking, 2 non-locking).
- ☐ "Add-On" Frymate™ – VX15 or VX21S.
- ☐ Prison Security Package (Factory Installed).
- ☐ Single Basket Lift (Factory Installed).
- ☐ 10" high stainless steel splash guard.

REFERENCE MATERIALS

- See 1ER50 Spec Sheet F32900 for electrical specs.
- See 1ER85 Spec Sheet F32901 for electrical specs.
- See ERF Spec Sheet F32456 for electric fryer batteries.

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Approved by _____ Date _____ Approved by _____ Date _____

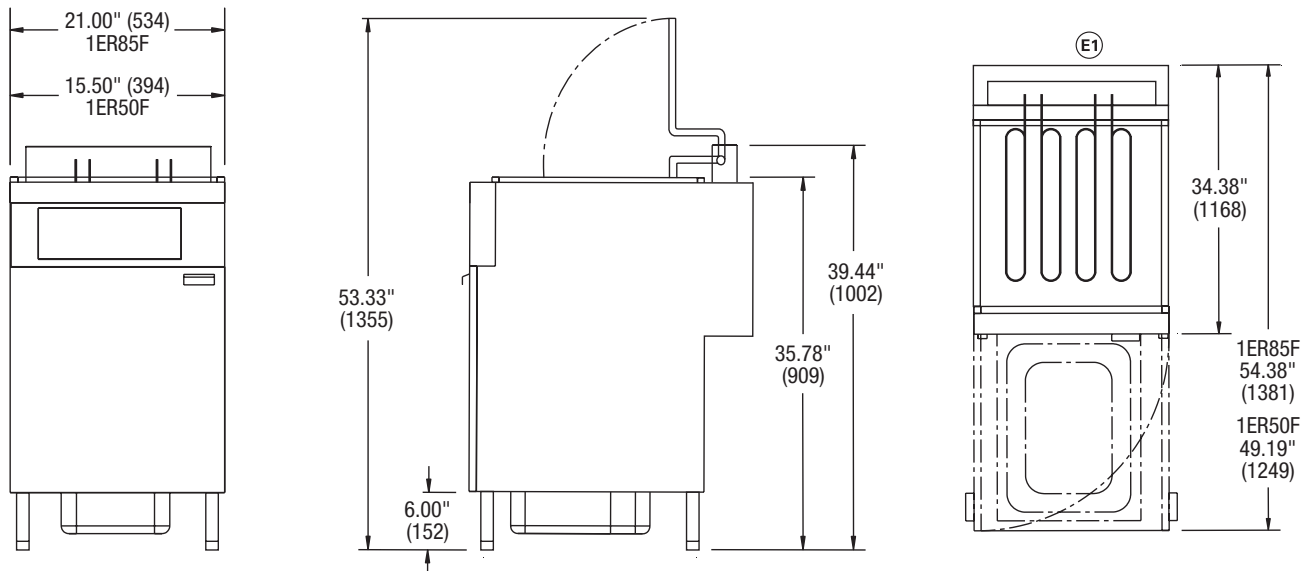
INSTALLATION INSTRUCTIONS

1. An adequate ventilation system is required for Commercial Cooking Equipment. Information may be obtained by writing to the National Fire Protection Association, Batterymarch Park, Quincy, MA 02269. When writing refer to NFPA No. 96.
2. All models require a 6" clearance at both sides and rear adjacent to combustible construction.
3. All models require a 16" (407 mm) minimum clearance to adjacent open top burner units.
4. This appliance is manufactured for commercial installation only and is not intended for home use.

SERVICE CONNECTIONS:

Ⓔ Power supply for basket lifts and/or filter motor is wired into the fryer's high voltage line terminal block, **except for 480V which requires a separate 120V single phase electrical power connection NEMA 5-15P service** (not supplied with fryer, and not available in Canada.).

NOTE: In line with its policy to continually improve its product, Vulcan reserves the right to change materials and specifications without notice.



FILTRATION SYSTEM SPECIFICATIONS

Model	Filter Pan Capacity	Filter Area		Motor / Pump			
		Screen	Micro-Filtration Fabric Envelope	H. P.	RPM	Gal. / Min.	Electrical
1ER50F	65 lbs.	220 sq. in.	225 sq. in.	1/3 H.P.	1750 RPM	8.0 Gal./min.	208V Units: 208V 3.6A 50/60Hz 3Ph
							408V Units: 120V 5.0A 50/60Hz 1Ph
1ER85F	100 lbs.	462 sq. in.	515 sq. in.	1/3 H.P.	1750 RPM	8.0 Gal./min.	208V Units: 208V 3.6A 50/60Hz 3Ph
							408V Units: 120V 5.0A 50/60Hz 1Ph

FRYER SPECIFICATIONS:

1ER50 (17 Kw) – See Spec Sheet F32900 | **1ER85** (24 Kw) – See Spec Sheet F32901 *Note: Add 5 Amps for the motor / pump*

This appliance is manufactured for commercial use only and is not intended for home use.

As continued product improvement is a policy of Vulcan, specifications are subject to change without notice.