

## FRYERS

**VULCAN****1ER85 SERIES  
FREE STANDING ELECTRIC FRYERS****Model 1ER85C**

Shown with caster accessory

**SPECIFICATIONS**

Electric deep fat fryer, Vulcan Model No. (1ER85A) (1ER85D) (1ER85C) temperature controls are adjustable from 200° to 390°F and include 3 melt cycle and high limit control. Stainless steel cabinet with four 6" adjustable legs. 16 gauge stainless steel fry tank holds 85 lbs. of frying compound. 1¼" full port ball type drain valve. 24 kW low watt density ribbon style heating elements. Twin fry baskets. Power supply is 208 volt, 50/60 Hz, 3 phase.

**Overall Dimensions:**21" w x 34<sup>3</sup>/<sub>8</sub>" d x 39<sup>7</sup>/<sub>16</sub>" h working height is 35<sup>3</sup>/<sub>4</sub>"

NSF listed. CSA design certified.

**Specify voltage when ordering.**

- 1ER85A** Solid state analog knob controls.
- 1ER85D** Solid state digital controls.
- 1ER85C** Programmable computer controls.

**STANDARD FEATURES**

- Stainless steel front and sides.
- Four 6" adjustable legs.
- 16 gauge stainless steel fry tank, 85 lb. capacity.
- Ten year limited fry tank warranty.
- 1¼" full port ball type drain valve.
- 24 kW low watt density ribbon style heating elements.
- Multiple fat melt modes.
- High limit control.
- Twin fry baskets with plastic coated handles.
- One year limited parts and labor warranty.

**CONTROLS**

- 1ER85A** Solid state analog knob control. Accurate temperature control 200°F to 390°F within +/- 2°. Multiple fat melt modes, fast recovery.
- 1ER85D** Solid state digital read temperature control. Accurate temperature control 200°F to 390°F within +/- 2°. Multiple fat melt modes, fast recovery, boil out mode and two countdown timers.
- 1ER85C** Computer control digital read temperature control. Accurate temperature control 200°F to 390°F within +/- 2°. Multiple fat melt modes, fast recovery and boil out mode. Ten programmable product key and ten countdown timers. Secondary and advanced programming options.

**OPTIONAL FEATURES (Factory Installed)**

- Second year extended limited parts and labor warranty

**ACCESSORIES (Packaged & Sold Separately)**

- Stainless steel tank cover - doubles as a work surface top
- Set of four 6" adjustable casters (2 locking).
- Extra set of twin fry baskets – 9¼" w x 15¼" d x 6" h
- Large single fry basket – 18¾" w x 15¼" d x 6" h
- Tri-Baskets – 6½" w x 13¼" d x 6" h
- Frymate™ VX21S dump station
- Connecting Kit(s) – connect two fryers together (banking strip, brackets and hardware)
- 10" high stainless steel removable splash guard

**VULCAN**

a division of ITW Food Equipment Group LLC

P.O. Box 696 ■ Louisville, KY 40201 ■ Toll-free: 1-800-814-2028 ■ Local: 502-778-2791 ■ Quote &amp; Order Fax: 1-800-444-0602



**ER KLEENSCREEN PLUS® FILTRATION SYSTEM**  
**BUILT-IN FILTRATION SYSTEM FOR 2ERF, 3ERF & 4ERF FRYERS**



**Model 2ER85CF**  
 Shown on casters (Accessory)



**SPECIFICATIONS**

Built-in filter system, Vulcan Model No. (# of fryers – 2, 3 or 4) ER85 (control type A, D, or C) F (add suffix -F to fryer battery Model No., i.e. 2ER85DF). Filter system accommodates a maximum of three cabinets. Drawer style filter pan assembly holds 110 lbs. shortening capacity. Filter vessel constructed of drawn (seamless) 18 gauge stainless steel. The filter pan for the 2ER85F weighs only 20.5 lbs. 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 cleanout 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.

CSA design certified. NSF listed.

**STANDARD FEATURES**

- Filter system accommodates maximum of three cabinets.
- 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). Turns off heating elements automatically when draining oil or lifting heating elements during cleaning.
- 18 gauge stainless steel filter pan.
- 6" adjustable legs.
- Stainless steel mesh 2-sided filter screen – surface area 270 sq. in.
- 1/3 H.P. motor and pump circulates frying compound at a rate of 8.0 gallons per minute.
- 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.
- 6' High Temperature Discard Hose.
- 10 year fry tank limited warranty.

**ACCESSORIES (Packaged & 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™ – VX21S.
- Rear oil reclamation discard connection (factory installed).
- Prison Security Package (factory installed).
- Single Basket Lift (factory installed).

**OPTIONS**

- Second year extended limited parts and labor warranty.

**REFERENCE MATERIALS**

- See 1ER85 Spec Sheet F32901 for electrical specs.
- See 1ERF Spec Sheet F32969 for single unit KleenScreen PLUS®.



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BUILT-IN FILTRATION SYSTEM FOR 2ERF, 3ERF & 4ERF FRYERS**

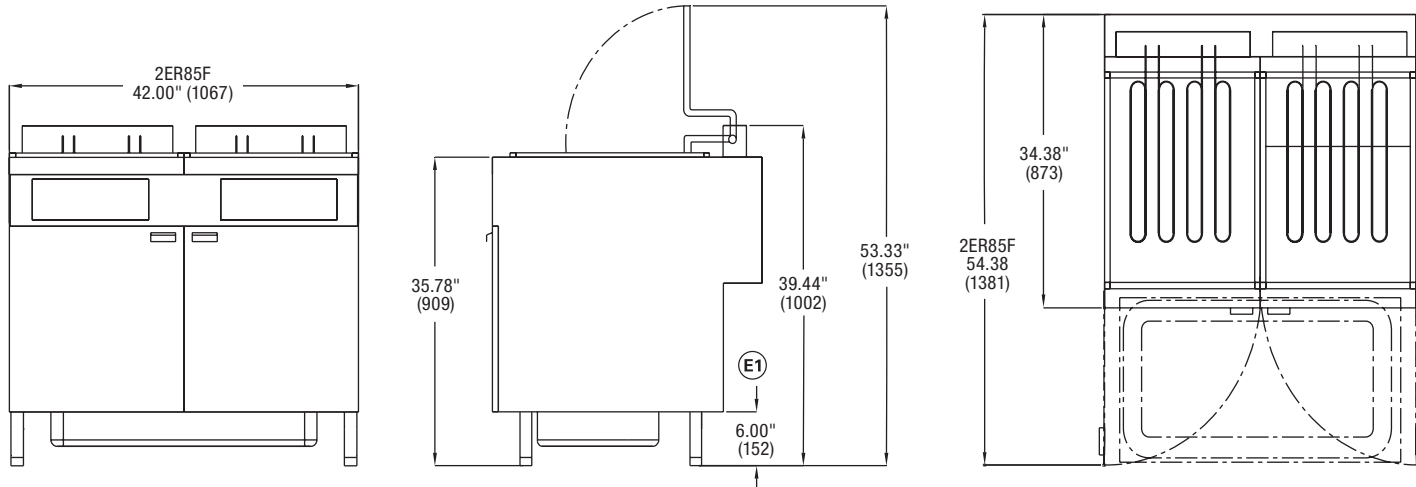
**INSTALLATION INSTRUCTIONS**

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:**

- ⓔ 1. Each tank requires it's own separate power supply.
2. 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 for the basket lifts and filter motor, (not supplied with fryer).

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



**FILTER SYSTEM SPECIFICATION:**  
 Screen = 462 sq.  
 Micro Filtration Fabric Envelope = 493 sq. in

**MOTOR/PUMP SPECIFICATIONS:**  
 480V = 1/3 HP 1750 RPM 8.0 gal./min 120V / 5.0A 50/60Hz 1 Ph.  
 208V = 1/3 HP 1750 RPM 8.0 gal./min 208V / 3.6A 50/60Hz 1 Ph.

Model	Filter Pan Capacity	Electrical	Battery Dimensions (Widths)	
			2 Fryers	3 Fryers
2ER85F	110 lbs.	24kW Refer to spec. sheet F32901	42"	63"
3ER85F				

**NOTE:** Fryer in battery with fuses (master) must add 5 amps for the motor / pump. Remaining fryers (slave) use amps per spec. sheet.

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