



Service Bulletin

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Bulletin 2003-09-ABDE

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Date: 01/16/2003

SUBJECT: Filter Pump and Motor Service Notes

This bulletin cancels and replaces Service Bulletins 2002-02-ABDE and 2001-35-AD. Remove these bulletins from your active files.

This bulletin consolidates information on Frymaster and Dean filtration system pumps, motors, and related kits and parts to provide a quick reference for servicers in the field.

Filter Magic II and FootPrint II and III Pump Motor Kits and Related Parts:

Use the part numbers listed below when ordering pump motor and gasket kits for Filter Magic II and FootPrint II and III systems:

826-1712	100-115V 50/60Hz
826-1266	208V 50/60Hz
826-1270	220-240V 50/60Hz
826-1755	250V 50/60Hz

These kits are appropriate for all Filter Magic II, FootPrint II, and Footprint III applications within their specified voltage ranges, regardless of the motor currently installed.

Related part numbers include:

816-0093	Pump/motor gasket
826-1264	Pump and gasket kit (includes a 4 GPM Viking pump, a pump gasket, 4 each $\frac{5}{16}$ -inch X $4\frac{1}{2}$ -inch capscrews (P/N 809-0514), and four each $\frac{5}{16}$ -inch flat washers (P/N 809-0194).

The following kits are obsolete. All references to these kits should be deleted from your documentation and automated order processing systems.

826-1263	(replaced by 826-1712)
826-1269	(replaced by 826-1270)
826-1713	(deactivated without replacement)

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FootPrint III Reversing Motor System Parts: (The reversing motor was an option on FootPrint III units built June through October 1995.)

807-1987	Reversing motor (w/conduit and 9-pin Molex plug for wiring)
807-2111	Motor start capacitor
806-6261	Filter circuit board (interface board)
807-1988	Reversing relay (K1) used with 806-6261
807-0834	Power relay (K2) used with 806-6261

Thermal Overload Switches:

807-1598	For use on Magnatek 120V motors
807-1599	For use on Magnatek 204-240V motors
807-1600	For use on Baldor 120V motors
807-1601	For use on Baldor 208-240V motors

Filter Magic I and FootPrint I Motor and Pump Kits:

826-0994	115-230V 60Hz motor and gasket kit
826-0989	5.6 GPM Viking pump and gasket kit (includes four each 809-0514 ⁵ / ₁₆ -inch X 4½-inch capscrews)
826-0701	Howell (round) to Viking (square) pump conversion kit (kit does not include capscrews (P/N 809-0514) or washers (P/N 809-0194). Four of each must be ordered separately.)

Notes on Wiring Filter Magic I and FootPrint I Motors:

Some Baldor motors shipped in kit 826-0994 may not have wiring diagrams inside the access plate. These motors are wired as follows:

For 115V Applications:

Attach wires 1, 3, and 8 to the black (hot) wire
Attach wire 4 to neutral
Wire-nut 2, 5, and J together

For 208V Applications:

Attach wire 1 to one of the incoming hot wires
Attach wire 4 to the other incoming hot wire
Wire-nut wires 2, 3, and 8 together
Wire-nut wires 5 and J together.

Dean Pump and Motor Components

Dean five- and eight-gallon-per-minute filter pump and motor combinations are no longer available as assemblies. The component parts for the 120-volt five-gallon (P/N 1726) and eight-gallon (P/N 1742) pump/motor combinations and for the 230-volt pump/motor combination (part number 1892) remain available. Use the new Dean part numbers from the table below to order pumps and motors for five- and eight-gallon-per-minute filtration systems.

Old Dean Part Number	New Dean Part Number	Description	List Price (\$US)
1726-1	810-2252	5-Gallon Pump	\$305.00
1742-1	810-2098	8-Gallon Pump	\$410.00
1726-2 and 1892-2	810-2100	120/230 Volt $\frac{1}{3}$ HP Motor	\$440.00

Technicians should disassemble and inspect malfunctioning pumps in the field to rule out sediment as a cause for failure. Also, technicians should have a seal (part number 810-2395) and an O-ring (part number 810-2394) on hand when disassembling the pump. FASCs should stock a sufficient quantity of these parts to cover the restaurants in their service area.

Clogged pumps should be cleared of sediment and returned to service. The warranty does not cover failures caused by sediment buildup unless it is related to a manufacturing flaw.

Filter pumps replaced under warranty must be returned to Frymaster/Dean for inspection. Warranty claims for otherwise operable pumps returned clogged with sediment will be denied.