EFFECTIVE: October 2015

American Dish Service

ADS UNDERCOUNTER DISHWASHER

MODEL: ETAF-3/ETAF-M

PDH Series



PARTS MANUAL

900 Blake Street Edwardsville, Kansas 66111 (913)422-3700

The American Dish Service part numbers contained in this publication are replacement parts for equipment listed with governmental and regulatory agencies and are specified to maintain the regulatory mark and certification. These parts must only be replaced by those who are trained in the operation and service of commercial dishmachines. Aftermarket parts or modified parts are not compliant or listed with the standards of governmental and regulatory agencies; aftermarket parts are not authorized by ADS for replacement repairs. ADS will not be responsible for any liability If parts are used in the repair of the machine that are not ADS-specified, by those installing non-certified replacement parts or attempts to change the machine's cycle or operation other than as designed and certified. Read the warnings and cautions provided below before working on or replacing parts on any ADS equipment.





The installation of electrical parts contained in this publication require the following precautions:

The electrical power supplied to this machine is an imminent hazard to life that could result in severe bodily injury or death if not properly installed or connected correctly. When working in the control box or on electrical parts, always disconnect power and perform the appropriate lock-out/tag-out proceedure before servicing. Replace the cover to the control box and other protective covers when finished with servicing this equipment before returning the machine to normal operation.

LOOSE ELECTRICAL CONNECTIONS: Damage to the equipment can occur if the following precautions are not observed. Before connecting power to the machine, check all electrical terminals in the control box. Screws can loosen in transit. Loose connections on high amp load terminals such as the pump motor and tank heaters will cause wire burning and component damage during operation and will not be covered under ADS warranty.

"CLEAN CIRCUIT" means the electrical circuit breaker for the dishmachine supplies no other outlets, machines, or lights. GFCI outlets are not recommended for commercial dishmachines; ADS recommends that a single-rack machine be installed with the wire connection (hard-wired) directly from the circuit breaker. All high temp and conveyor equipment must be hard wired. If a plug and socket are used to provide electrical power to a dishmachine in a commercial kitchen, then according to electrical code it must be a GFCI, but not all GFCIs are the same. They must be rated for the Amp draw for the designed circuit.

For Reference: The NEC Article 210.8 regarding GFCI Protection (B) Other Than Dwelling Units (2) Commercial and Institutional Kitchens. All 15 and 20A, 125V receptacles installed in kitchens, even those that do not supply the countertop surface, must be GFCI protected.





The chemical feeders and controls contained in this publication require the following precautions:

READ Manufacturer's Manual before Using this Product. For your safety read and observe all warnings in these instructions.While performing installation of parts described in this booklet, wear approved Personal Protective Equipment, including chemically resistant gloves and Safety Eye-Wear.

CHEMICALS: There are potentially hazardous situations when working with industrial cleaning chemicals for dishmachines. See chemical manufacturer's safe practices and SDS or MSDS sheets for handling and installing chemicals and supply containers.

Chemicals can damage or corrode plumbing and stainless parts of the dishmachine. Do not run chemical lines over controls or plumbing. Always secure chemical lines and check regularly for leaks. If not properly handled, chemicals can cause serious bodily injury. In the event of chemical contact to skin or eyes; wash immediately with fresh water and seek medical attention.

DE-LIMING THE MACHINE: Because of potential hazards resulting from the combination of chlorine with acid solution, only authorized trained individuals must be allowed to de-lime a commercial dishmachine.

CONTAINERS: The ADS chemical delivery system is designed for 5 gallon pails of industrial low-energy chemical products.

CONTAINERS: The ADS chemical delivery system is designed for 5 gallon pails of industrial low-energy chemical products. Always use chemical resistant safety gloves and safety goggles (indirect-vented or non-vented) when changing chemical buckets. Immediately report spills and refer to your chemical suppliers SDS safety data sheet or MSDS material safety data sheet for information if chemical comes in contact with skin or eyes.

Any modifications to the chemical delivery system for smaller containers must include Closed Loop Chemical Containers (spill proof bottles) in a secured racking system. It is the responsibility of the user of the machine to purchase chemicals in spill proof containers. <u>FAILURE CAN RESULT IN SERIOUS INJURY.</u> Never place chemicals in open containers or containers that can be easily tipped over when moving or changing product. Failure to do so will void your ADS warranty.

Chemical supplies must be kept in closed delivery containers to avoid spills or contamination. Do not place chemical solutions in open containers or containers that can be easily tipped over in moving or changing.

Do not open the doors while the machine is in operation. Doing so could result in serious bodily injury from spraying hot water and chemicals.



CAUTION

The door lever arm parts in this publication are installed under spring tension and caution is needed whenever parts are changed. Wear safety glasses when working on the doors and lever. Care should be taken when moving, installing, or replacing any door lever arm parts. Use the ADS lever arm tool to unload the door spring during replacement or adjustment. The spring tension suddenly released can result in pinch or blunt trauma, and puncture wounds. If a wound occurs from the release of spring tension, wash the wound area immediately because of the soils that can accumulate on the metal parts and seek medical attention.

NOTICE

BEFORE YOU BEGIN: American Dish Service provides this information as a service to our customers. Keep all instructions for future reference. ADS reserves the right to alter or update this information at any time. Should you desire to make sure that you have the most up-to-date information, we would direct you to the appropriate document on our web site:

www.americandish.com. It is your obligation as the customer to ensure that the replacement parts for the machine are installed safely and properly, and when completed, the machine is left in proper and safe working order. Electrical, Plumbing, and Chemical hookup must be performed by a qualified professional who will ensure that the equipment is installed in accordance with all applicable Codes, Ordinances, and Safety requirements. Failure to follow the installation instructions will void the warranty. ADS assumes no liability or control over the installation of the equipment or replacement parts. Product failure due to improper installation is not covered under the ADS Warranty.

Plumbing parts:

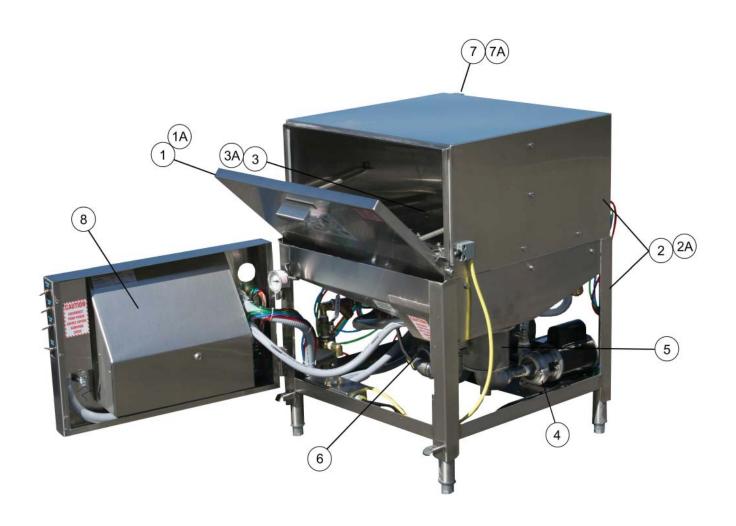
When working on the water inlet manifold, first relieve the water line pressure by turning off the water supply to the machine then energize the machine's fill valve. By doing this the manifold will empty of water. Turn off the electrical power and lock out/tag out the machine. It will then be safe to open the plumbing inlet manifold.

TANKLESS WATER HEATERS have shown to be problematic for commercial dishmachines. It has been the experience of ADS that tankless supply systems require multiple units plumbed in sequence with a recirculation loop to achieve proper pressure and temperature.

Check with the tankless water heater manufacturer, they may recommend a storage tank to guarantee proper flow and line pressure to the machine. Failure to provide adequate water quantity, pressure and temperature to the machine will cause the machine to function improperly and is not the responsibility of ADS. Improperly installing ADS equipment or parts in this manner could void the warranty. All costs associated with providing an adequate water supply to the machine is the sole responsibility of the user.

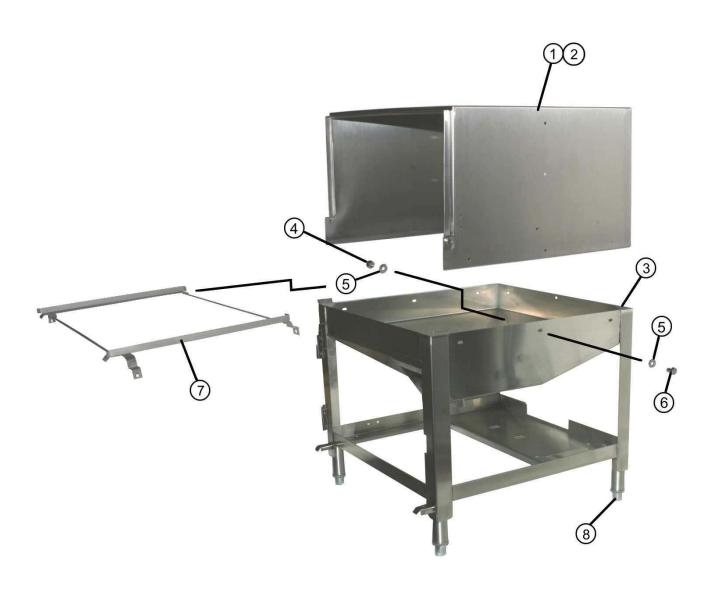
Drain replacement parts should not be reduced in size, all drain lines should remain the same size as it exits the dishmachine or larger. If you have questions, call 800-922-2178 or visit our website at www.AmericanDish.com

018-0091 / 022-0091 Models: ETAF-3 / ETAF-M PDH Series



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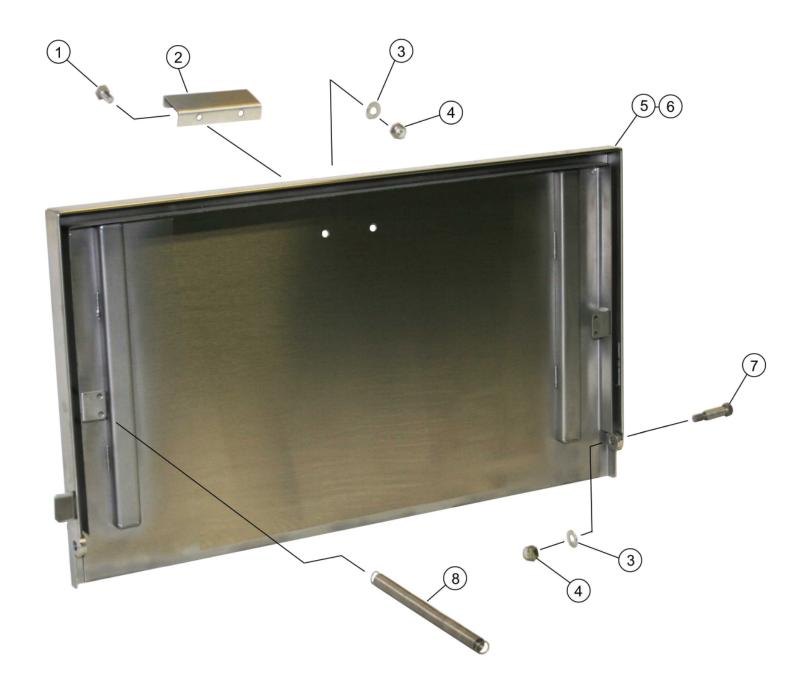
Ref.		No.	
No.	Part No.	Req.	Description
1	067-1200	1	Door Actuator Assembly ETAF-M
1A	067-0800	Opt.	Door Actuator Assembly ETAF-3
2	061-2500	1	Cabinet Assembly ETAF-M
2A	061-2600	Opt.	Cabinet Assembly ETAF-3
3	062-2200	1	Spray System Assembly ETAF-M
3A	062-2300	Opt.	Spray System Assembly ETAF-3
4	063-2900	1	Drain Pump Assembly ETAF-M / ETAF-3 PDH Series
5	066-2000	1	Drain System Assembly ETAF-M / ETAF-3 PDH Series
6	063-1500	1	Recirculating Pump Assembly ETAF-M / ETAF-3
7	065-1600	1	Fresh Water Plumbing Assembly ETAF-M
7A	065-1800	Opt.	Fresh Water Plumbing Assembly ETAF-3
8	064-2901	1	Control System Assembly ETAF-M / ETAF-3



061-2500 Cabinet Assembly ETAF-M PDH Series 061-2600 Cabinet Assembly ETAF-3 PDH Series

Ref. No.	Part No.	No. Req.	Description
1	085-6173	1	Hood Weldment, ETAF-M
2	085-6128	Opt.	Hood Weldment, ETAF-3
3	085-6219	1	Pan/Frame Weldment, ETAF-M / ETAF-3 PDH Series
4	098-2507	13	Locknut, ½-20, SS
5	098-2416	19	Washer, ¹ / ₄ ", SS
6	098-1423	12	Bolt, ¹ / ₄ -20 x ¹ / ₂ ", HH, SS
7	085-6133	1	Tray Track Weldment
8	099-1003	4	Bullet Foot, Plastic

067-1200 Door Actuator Assembly ETAF-M PDH Series 067-0800 Door Actuator Assembly ETAF-3 PDH Series



067-1200 Door Actuator Assembly ETAF-M PDH Series 067-0800 Door Actuator Assembly ETAF-3 PDH Series

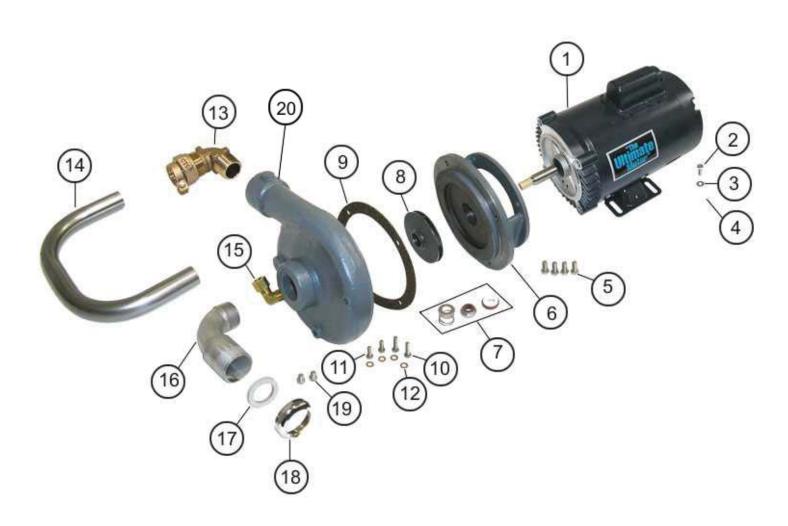
Ref.		No.	
No.	Part No.	Req.	Description
1	098-1423	2	Bolt, 1/4-20 x 1/2", HH, SS
2	086-6818	1	Handle
3	098-2416	4	Washer, ¼", SS
4	098-2507	4	Locknut, 1/4-20, SS
5	085-6144	1	Door Weldment, ETAF/ETAF-M
6	085-6129	Opt.	Door Weldment, ETAF-3
7	098-1417	2	Door Pivot Bolt
8	098-3012	2	Spring
N/S	086-6430	2	Brackets, Spring (Bolted to Sides of Hood)
N/S	098-1423	2	Bolt, ¼-20x1/2" HH SS(Hardware for Spring Bracket)
N/S	098-2416	2	Washer, ¼", SS(Hardware for Spring Bracket)
N/S	098-2507	2	Locknut, ¼"-20, SS(Hardware for Spring Bracket)

062-2200 Spray System Assembly ETAF-M PDH Series 062-2300 Spray System Assembly ETAF-3 PDH Series



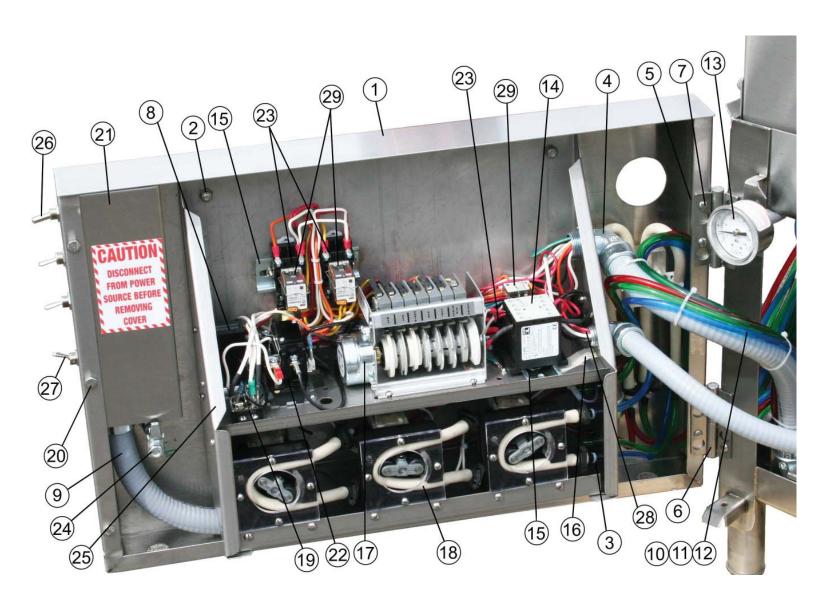
062-2200 Spray System Assembly ETAF-M PDH Series 062-2300 Spray System Assembly ETAF-3 PDH Series

Ref.		No.	
No.	Part No.	Req.	Description
1	084-6211	4	Spray Arm End Plug, SS
2	085-6201	1	Stationary Upper Spray "Left Manifold" ET
3	092-1109	1	Fitting, Plumbing 7/8" x 7/8" x 7/8" Compression Tee
4	085-6202	1	Stationary Upper Spray "Right Manifold" ET
5	087-6210	1	Manifold, ET-AF-M (Riser Pipe Only)
5A	087-6211	Opt.	Manifold, ET-AF-3 (Riser Pipe Only)
6	082-6210	1	Nut, Spray Base, SS
N/S	289-6618	1	O-Ring, SS, Spray Base
7	082-6212	1	Spray Base, Lower, SS
8	098-1426	4	Bolt, 1/4-20 x 3/4" HH
9	098-2416	6	Washer, ¼" Flat, SS
10	098-2507	6	Nut, Lock, ¼-20 with Nylon Insert
11	089-6201	1	Gasket, Spray Base
12	092-1001	1	Fitting, Ford Elbow
13	098-1583	3	Screw, Thumb, 5/16-18 x 5/8" SS
14	099-1028	Opt.	Bayonet, Spray Base, Pin
15	082-6211	1	Insert, Spray Base, SS, Thumb Screw
16	082-6214	Opt.	Insert, Spray Base, SS, Bayonet
17	084-6522	Opt.	Plug, Spray Base Insert, Plugs 3 rd Bayonet Hole
18	081-6217	1	Spray Arm Bearing, With O-Ring
19	081-6208	1	Spray Arm with End Plugs, ET Undercounter
N/S	081-6212	Opt.	Spray Arm with End Plugs, ET Undercounter Glassware
N/S	086-6725	2	Bracket, Upper Manifold Support, ET
N/S	088-1054	Opt.	Kit, Upper Manifold, ET-AF



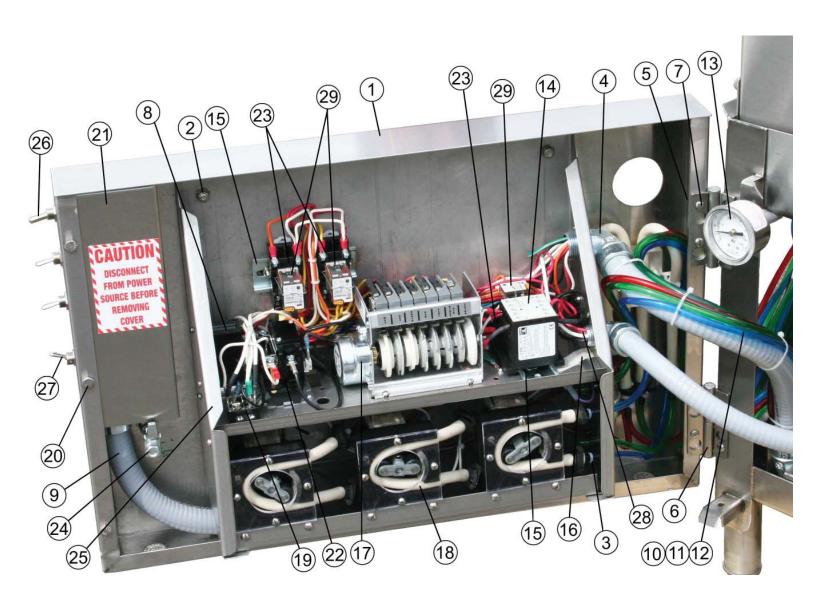
063-1500 Recirculating Pump Assembly ETAF-M / ETAF-3 PDH Series

Ref.		No.	
No.	Part No.	Req.	Description
1	091-1001	1	Motor, Wash Pump 1-1/2 HP
2	098-1426	2	Bolt, ¼-20 x ¾" HH
3	098-2416	2	Washer, ¼" Flat, SS
4	098-2507	2	Nut, Lock, ¼-20 with Nylon Insert
5	098-1607	4	Bolt, 3/8-16 x 7/8" HH
6	082-6301	1	Housing, Water Pump "Rear"
7	092-2001	1	Seal, Wash Pump
8	082-6303	1	Impeller, Water Pump, "Closed" 5 Vane
9	089-6303	1	Gasket, Pump (Water)
10	098-1510	2	Bolt, 5/16-18 x 1-1/4" HH
11	098-1507	2	Bolt, 5/16-18 x 7/8 HH, SS,
12	098-2503	4	Washer, 5/16 Copper
13	092-1001	1	Fitting, Ford Elbow
14	086-6210	1	Tube, Pump Discharge, ET Series
15	092-1022	1	Fitting, Plumbing, ½" Comp x 3/8" MPT 90° Elbow
16	085-6317	1	Suction Tube Assembly, SS, Model ET
17	092-2002	1	Gasket, Slip Nut, 1-1/2"
18	092-1012	1	Nut, Slip 1-1/2"
19	092-1145	2	Plug, Pipe 1/8" SS
20	082-6302	1	Cover, Water Pump, "Front"
REP	092-1015	0	Kit, Ford Repair (Seal & Gasket)
REP	088-1012	0	Pump Assembly, Through Impeller (Needs Gasket 089-6303)



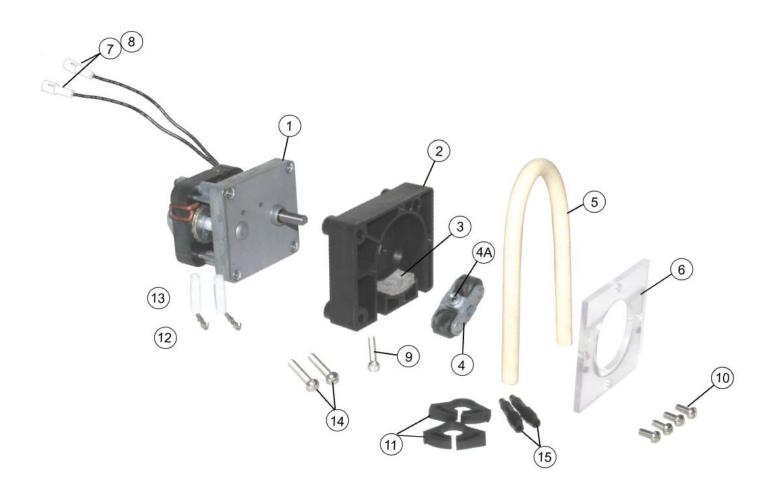
064-2901 Control System Assembly ETAF-3 / ETAF-M PDH Series

Ref.		No.	
No.	Part No.	Req.	Description
1	085-6221	1	Skirt Weldment
2	098-2507	4	Locknut, ¼-20, HH, SS
3	091-4001	6	Grommet, ¼" ID
4	091-4140	3	Conduit Fitting, ¾"x90°, Sealtite
5	098-2301	8	Locknut, 10-32, SS
6	081-6109	2	Hinge
7	098-1314	8	Bolt, Pan Head, 10-32x1/2", SS
8	091-3049	1	Electric Counter
9	064-0030	1	Conduit Assembly
10	093-1044	1	Chemical Tube, Blue (Sold by the Foot) (26' per Machine)
11	093-1045	1	Chemical Tube, Green (Sold by the Foot) (26' per Machine)
12	093-1046	1	Chemical Tube, Red (Sold by the Foot) (26' per Machine)
13	299-1004	1	Gauge, Temperature, 3' Capilary
14	091-3082	1	Contactor, Heater
15	091-9105	2	Din Rail, Cut to 3-3/4" Long
16	099-1004	1	Timer Adjustment Key
17	091-3051	1	Timer, 90 Second, 7 Cam
	091-3005	OPT	Timer, 120 Second, 7 Cam
	091-3078	OPT	Timer, 150 Second, 8 Cam
18	064-0001	3	Chemical Pump Assembly (Peristaltic)
19	091-5029	1	Terminal Block 8 Terminals
20	098-1423	3	Bolt, 1/4-20x1/2", HH, SS
21	086-6188	1	Switch Box Cover
22	091-3083	1	Contactor
23	291-3009	3	Socket, Relay
24	099-1017	1	Door Latch Assembly
25	081-6418	1	Control Box Assembly (Metal Only)
26	091-3009	3	Toggle Switch
27	091-3008	1	Master Switch
28	091-5034	1	Wire Harness
29	291-3005	3	Relay, 110V Double Pole
N/S	087-6416	1	Control Box Cover (See Assembly 064-2904)
N/S	096-1002	1	Control Box Lock w/Key (See Assembly 064-2904)



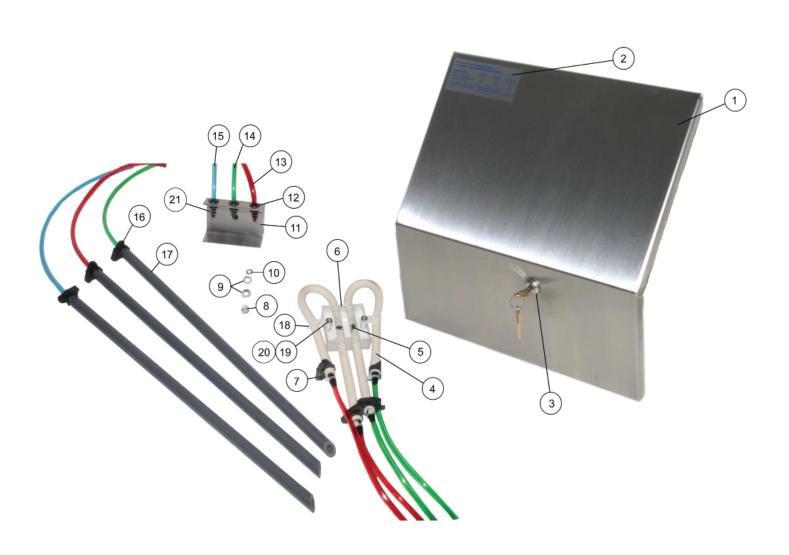
064-2901 Control System Assembly ETAF-3 / ETAF-M PDH Series

Ref.		No.	
No.	Part No.	Req.	Description
N/S	291-7101	1	Indicator Run Light (See Assembly 064-2903)
N/S	091-3067	3	Switch, Push Button(Operator Only)(See Assembly 064-2903)
N/S	091-3065	3	Switch, Contact Block (See Assembly 064-2903)
N/S	086-6189	1	Switch Box Bottom (See Assembly 064-2903)
N/S	089-9282	1	Decal Set, ET-AF Skirt (See Assembly 064-2904)
N/S	091-3070	1	Switch, Door cut-Off (See Assembly 064-2904)
N/S	091-4139	1	Conduit Fitting, ¾' Straight (See Assembly 064-0036)
N/S	091-4141	4	Conduit Fitting, ½', Straight (See Assembly 064-0036)
N/S	091-4142	2	Conduit Fitting, ½", Elbow (See Assembly 064-0036)
N/S	089-9296	Opt.	Decal, NSF, ET-AF-M (All Time Cycles)
N/S	089-9297	Opt.	Decal, NSF, ET-AF-3 (All Time Cycles)
N/S	091-3025	Rep.	Timer Switch Holder
N/S	089-9460	Rep.	Decal Set, ET Series PDH Complete
N/S	089-9230	Rep.	Decal, ET Wiring



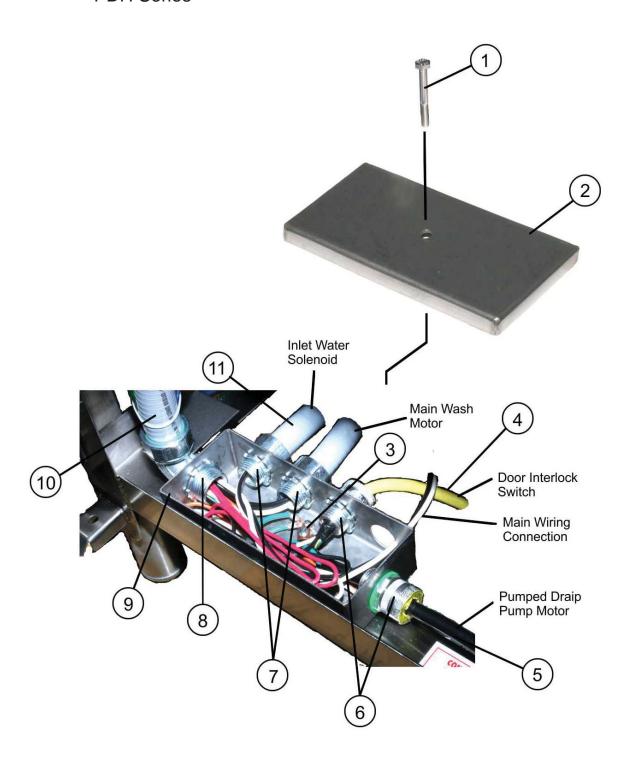
064-0001 Chemical Pump Assembly ETAF-3 / ETAF-M PDH Series

Ref. No.	Part No.	No. Req.	Description
1	091-1002	1	Gear Motor
2	083-6701	1	Chemical Pump Housing
3	089-6701	1	Lubrication Pad
4	067-6701	1	Rotor Assembly
4A	098-1401	1	Set Screw, 1/4-20 x 1/4"
5	087-6700	1	Chemical Pump Tube (Squeeze)
6	083-6702	1	Cover
7	091-5224	2	Molex Male Pin
8	091-5223	2	Molex Cover
9	098-1310	1	Screw, FH, SS, 10-32 x 1 ½"
10	098-1204	4	Screw, RH, SS, 8-32 x 1/2"
11	098-1606	2	Clamp (Squeeze Tube to Chem Tube Connection)
12	091-5222	Rep.	Molex Female Pin (Service Only)
13	091-5221	Rep.	Cover (Service Only)
14	098-1305	2	Screw, RH, PLT, 10-32 x 1 1/2"
15	092-1146	2	Hose Barb, ¼" x 3/16" (Squeeze Tube to Chem Tube Connection)
N/S	092-2000	Rep.	Squeeze Tubing (Bulk, Sold by the Foot)
N/S	091-1023	Opt.	Gear Motor, 25 RPM



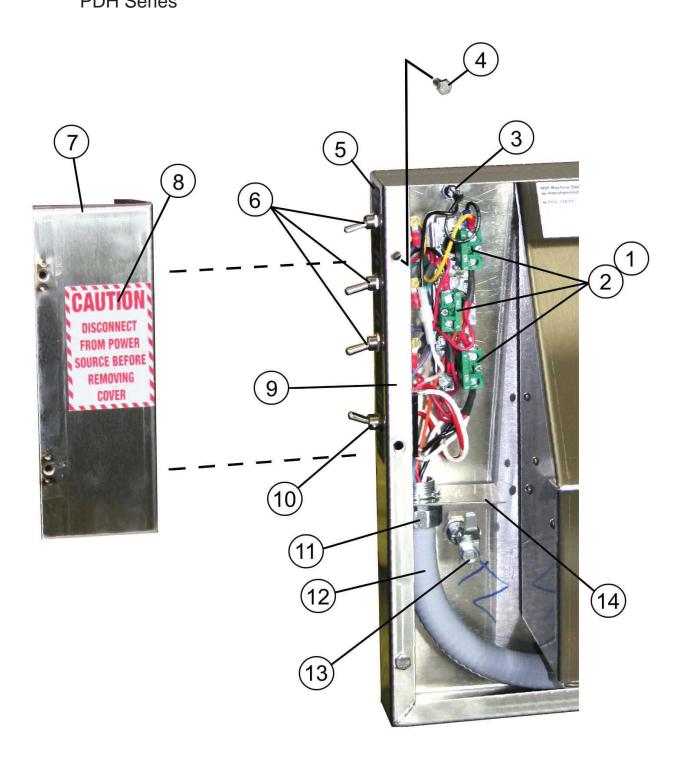
064-2902 Control System Accessories ETAF-3 / ETAF-M PDH Series

No. Part No. Req. Description 1 087-6416 1 Control Box Cover 2 089-9296 1 Decal NSF ETAFM (089-9297 ETAF3) 3 096-1002 1 Control Box Lock w/Key 4 092-2000 2' Squeeze Tube, Norprene (Sold by the Foot) 5 099-1008 2 Ball, Flow Indicator 6 084-6403 1 Flow Indicator Housing 7 098-1606 4 Hose Clamp 8 098-1423 1 Bolt, ½-20x1/2", HH, SS 9 098-2416 2 Washer, ½" SS 10 098-2507 1 Locknut, ½-20" SS 11 086-6424 1 Chemical Feeder Bracket 12 091-4015 3 Heyco Grommet 13 093-1046 26' Chemical Tube, Red (Sold by the Foot) 14 093-1045 26' Chemical Tube, Blue (Sold by the Foot) 15 093-1044 26' Chemical Tube, Blue (Sold by the Foot) 16	Ref.		No.	
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6 084-6403 1 Flow Indicator Housing 7 098-1606 4 Hose Clamp 8 098-1423 1 Bolt, ¼-20x1/2", HH, SS 9 098-2416 2 Washer, ¼" SS 10 098-2507 1 Locknut, ¼-20" SS 11 086-6424 1 Chemical Feeder Bracket 12 091-4015 3 Heyco Grommet 13 093-1046 26' Chemical Tube, Red (Sold by the Foot) 14 093-1045 26' Chemical Tube, Green (Sold by the Foot) 15 093-1044 26' Chemical Tube, Blue (Sold by the Foot) 16 098-1605 3 Hose Clamp 17 083-6407 3 Tube Stiffeners 18 091-5007 2 Wiring Clamp (Hold Down) 19 098-1106 2 Screw, 6-32x 1-1/8", RH, SS 20 098-2101 2 Nut, 6-32, HH, SS	4	092-2000	2'	Squeeze Tube, Norprene (Sold by the Foot)
7 098-1606 4 Hose Clamp 8 098-1423 1 Bolt, ½-20x1/2", HH, SS 9 098-2416 2 Washer, ½" SS 10 098-2507 1 Locknut, ½-20" SS 11 086-6424 1 Chemical Feeder Bracket 12 091-4015 3 Heyco Grommet 13 093-1046 26' Chemical Tube, Red (Sold by the Foot) 14 093-1045 26' Chemical Tube, Green (Sold by the Foot) 15 093-1044 26' Chemical Tube, Blue (Sold by the Foot) 16 098-1605 3 Hose Clamp 17 083-6407 3 Tube Stiffeners 18 091-5007 2 Wiring Clamp (Hold Down) 19 098-1106 2 Screw, 6-32x 1-1/8", RH, SS 20 098-2101 2 Nut, 6-32, HH, SS	5	099-1008	2	Ball, Flow Indicator
8 098-1423 1 Bolt, ½-20x1/2", HH, SS 9 098-2416 2 Washer, ½" SS 10 098-2507 1 Locknut, ½-20" SS 11 086-6424 1 Chemical Feeder Bracket 12 091-4015 3 Heyco Grommet 13 093-1046 26' Chemical Tube, Red (Sold by the Foot) 14 093-1045 26' Chemical Tube, Green (Sold by the Foot) 15 093-1044 26' Chemical Tube, Blue (Sold by the Foot) 16 098-1605 3 Hose Clamp 17 083-6407 3 Tube Stiffeners 18 091-5007 2 Wiring Clamp (Hold Down) 19 098-1106 2 Screw, 6-32x 1-1/8", RH, SS 20 098-2101 2 Nut, 6-32, HH, SS	6	084-6403	1	Flow Indicator Housing
9 098-2416 2 Washer, ¼" SS 10 098-2507 1 Locknut, ¼-20" SS 11 086-6424 1 Chemical Feeder Bracket 12 091-4015 3 Heyco Grommet 13 093-1046 26' Chemical Tube, Red (Sold by the Foot) 14 093-1045 26' Chemical Tube, Green (Sold by the Foot) 15 093-1044 26' Chemical Tube, Blue (Sold by the Foot) 16 098-1605 3 Hose Clamp 17 083-6407 3 Tube Stiffeners 18 091-5007 2 Wiring Clamp (Hold Down) 19 098-1106 2 Screw, 6-32x 1-1/8", RH, SS 20 098-2101 2 Nut, 6-32, HH, SS	7	098-1606	4	Hose Clamp
10 098-2507 1 Locknut, ¼-20" SS 11 086-6424 1 Chemical Feeder Bracket 12 091-4015 3 Heyco Grommet 13 093-1046 26' Chemical Tube, Red (Sold by the Foot) 14 093-1045 26' Chemical Tube, Green (Sold by the Foot) 15 093-1044 26' Chemical Tube, Blue (Sold by the Foot) 16 098-1605 3 Hose Clamp 17 083-6407 3 Tube Stiffeners 18 091-5007 2 Wiring Clamp (Hold Down) 19 098-1106 2 Screw, 6-32x 1-1/8", RH, SS 20 098-2101 2 Nut, 6-32, HH, SS	8	098-1423	1	Bolt, 1/4-20x1/2", HH, SS
11 086-6424 1 Chemical Feeder Bracket 12 091-4015 3 Heyco Grommet 13 093-1046 26' Chemical Tube, Red (Sold by the Foot) 14 093-1045 26' Chemical Tube, Green (Sold by the Foot) 15 093-1044 26' Chemical Tube, Blue (Sold by the Foot) 16 098-1605 3 Hose Clamp 17 083-6407 3 Tube Stiffeners 18 091-5007 2 Wiring Clamp (Hold Down) 19 098-1106 2 Screw, 6-32x 1-1/8", RH, SS 20 098-2101 2 Nut, 6-32, HH, SS	9	098-2416	2	Washer, ¼" SS
12 091-4015 3 Heyco Grommet 13 093-1046 26' Chemical Tube, Red (Sold by the Foot) 14 093-1045 26' Chemical Tube, Green (Sold by the Foot) 15 093-1044 26' Chemical Tube, Blue (Sold by the Foot) 16 098-1605 3 Hose Clamp 17 083-6407 3 Tube Stiffeners 18 091-5007 2 Wiring Clamp (Hold Down) 19 098-1106 2 Screw, 6-32x 1-1/8", RH, SS 20 098-2101 2 Nut, 6-32, HH, SS	10	098-2507	1	Locknut, 1/4-20" SS
13 093-1046 26' Chemical Tube, Red (Sold by the Foot) 14 093-1045 26' Chemical Tube, Green (Sold by the Foot) 15 093-1044 26' Chemical Tube, Blue (Sold by the Foot) 16 098-1605 3 Hose Clamp 17 083-6407 3 Tube Stiffeners 18 091-5007 2 Wiring Clamp (Hold Down) 19 098-1106 2 Screw, 6-32x 1-1/8", RH, SS 20 098-2101 2 Nut, 6-32, HH, SS	11	086-6424	1	Chemical Feeder Bracket
14 093-1045 26' Chemical Tube, Green (Sold by the Foot) 15 093-1044 26' Chemical Tube, Blue (Sold by the Foot) 16 098-1605 3 Hose Clamp 17 083-6407 3 Tube Stiffeners 18 091-5007 2 Wiring Clamp (Hold Down) 19 098-1106 2 Screw, 6-32x 1-1/8", RH, SS 20 098-2101 2 Nut, 6-32, HH, SS	12	091-4015	3	Heyco Grommet
15 093-1044 26' Chemical Tube, Blue (Sold by the Foot) 16 098-1605 3 Hose Clamp 17 083-6407 3 Tube Stiffeners 18 091-5007 2 Wiring Clamp (Hold Down) 19 098-1106 2 Screw, 6-32x 1-1/8", RH, SS 20 098-2101 2 Nut, 6-32, HH, SS	13	093-1046	26'	Chemical Tube, Red (Sold by the Foot)
16 098-1605 3 Hose Clamp 17 083-6407 3 Tube Stiffeners 18 091-5007 2 Wiring Clamp (Hold Down) 19 098-1106 2 Screw, 6-32x 1-1/8", RH, SS 20 098-2101 2 Nut, 6-32, HH, SS	14	093-1045	26'	Chemical Tube, Green (Sold by the Foot)
17 083-6407 3 Tube Stiffeners 18 091-5007 2 Wiring Clamp (Hold Down) 19 098-1106 2 Screw, 6-32x 1-1/8", RH, SS 20 098-2101 2 Nut, 6-32, HH, SS	15	093-1044	26'	Chemical Tube, Blue (Sold by the Foot)
18 091-5007 2 Wiring Clamp (Hold Down) 19 098-1106 2 Screw, 6-32x 1-1/8", RH, SS 20 098-2101 2 Nut, 6-32, HH, SS	16	098-1605	3	Hose Clamp
19 098-1106 2 Screw, 6-32x 1-1/8", RH, SS 20 098-2101 2 Nut, 6-32, HH, SS	17	083-6407	3	Tube Stiffeners
20 098-2101 2 Nut, 6-32, HH, SS	18	091-5007	2	Wiring Clamp (Hold Down)
	19	098-1106	2	Screw, 6-32x 1-1/8", RH, SS
21 093-1043 3 Barbed Fitting	20	098-2101	2	Nut, 6-32, HH, SS
	21	093-1043	3	Barbed Fitting



064-0036 Conduit Assembly ETAF-3 / ETAF-M PDH Series

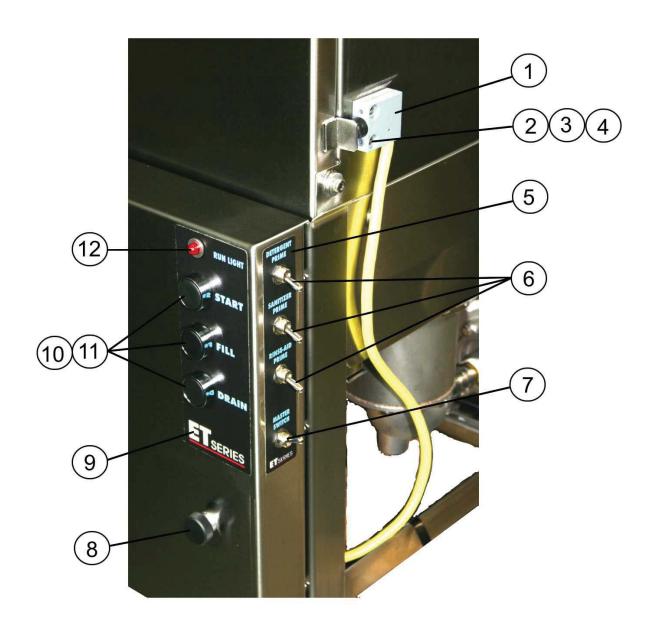
Ref.		No.	
No.	Part No.	Req.	Description
1	098-1434	1	Bolt, 1/4-20 x 2", HH, SS
2	086-6191	1	Junction Box Cover
3	291-5102	1	Ground Lug
4	091-3070	1	Door Cut-Off Switch (See Assembly 064-2904)
5	063-2900	1	Drain Pump with Hose Barbs (See Assembly 063-2700)
6	091-4149	2	Strain Relief Cord Connector
7	091-4141	5	Conduit Fitting, ½" Straight
8	091-4140	3	Conduit fitting, ¾" 90 Deg. Elbow
9	086-6190	1	Junction Box
10	091-5157	40"	Conduit, ¾" (Sold by the Foot)
11	091-5156	74"	Conduit, ½" (Sold by the Foot)



$064 \hbox{-} 2903$ Control System Assembly Switch Box (Rear)

ETAF-3 / ETAF-M PDH Series

Ref.		No.	
No.	Part No.	Req.	Description
1	091-3067	3	Switch, Push Button
2	091-3065	3	Switch Contacts
3	291-7101	1	Cycle Light
4	098-1423	3	Bolt, 1/4-20 x 1/2", HH, SS
5	089-9283	1	Decal, Prime/Master, Skirt Side, ET Series
6	091-3009	3	Toggle Switch
7	086-6188	1	Switch Box Cover
8	089-9290	1	Decal, CAUTION Disconnect From Power
9	085-6221	1	Skirt, ET PDH Series
10	091-3008	1	Master Switch
11	091-4139	1	Conduit fitting, ¾", Straight
12	091-5157	40"	Conduit, ¾" (Sold by the Foot)
13	099-1017	1	Door Latch Assembly
14	086-6189	1	Switch Box Bottom

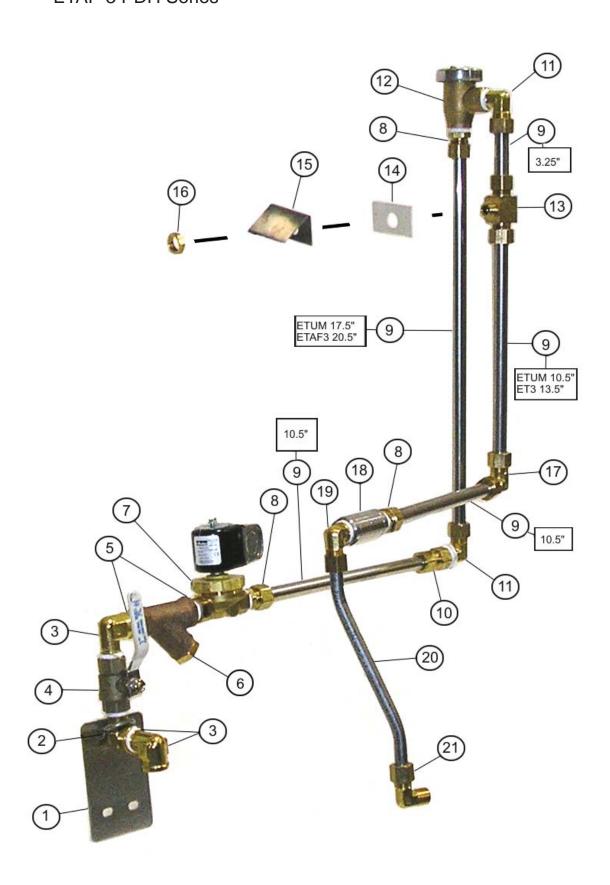


064-2904

Control System Assembly Switch Box(Front)

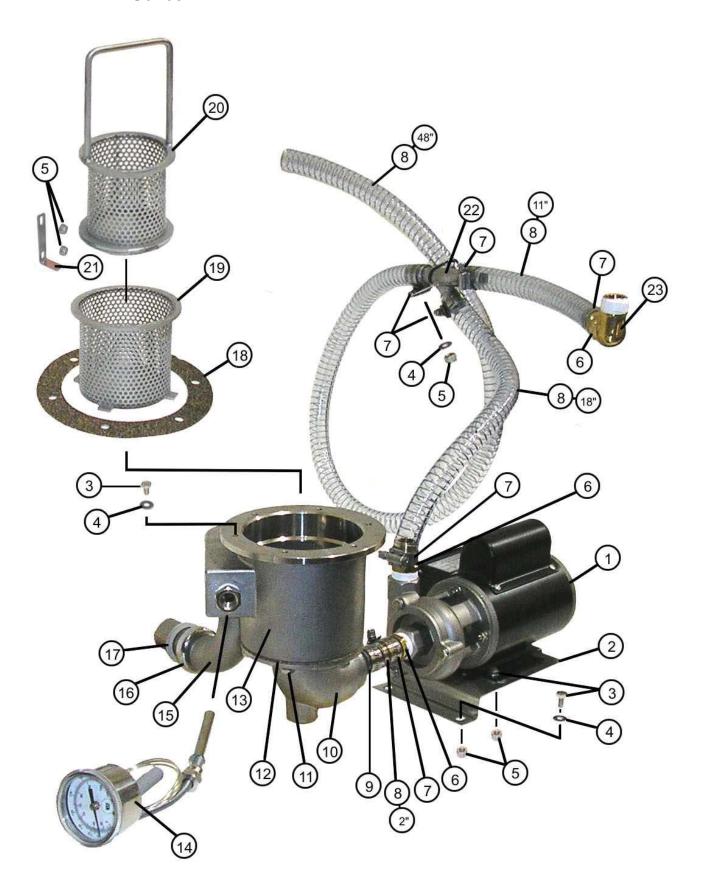
ETAF-3 / ETAF-M PDH Series

No. Part No. Req. Description 1 091-3070 1 Door Cut Off Switch 2 098-1283 2 Bolt, 8-32x3/4", RH, SS 3 098-2306 2 Washer, Flat #10 SS 4 098-2201 2 Locknut, 8-32, SS 5 089-9283 1 Decal, Prime/Master (Skirt Side) 6 091-3009 3 Toggle Switch 7 091-3008 1 Master Switch 8 099-1017 1 Door Latch Assembly 9 089-9284 1 Decal, Start, Fill, Drain (Skirt Front) 10 091-3067 3 Switch Push Button 11 091-3065 3 Switch Contacts 12 291-7101 1 Cycle Light	Ref.		No.	
1 091-3070 1 Door Cut Off Switch 2 098-1283 2 Bolt, 8-32x3/4", RH, SS 3 098-2306 2 Washer, Flat #10 SS 4 098-2201 2 Locknut, 8-32, SS 5 089-9283 1 Decal, Prime/Master (Skirt Side) 6 091-3009 3 Toggle Switch 7 091-3008 1 Master Switch 8 099-1017 1 Door Latch Assembly 9 089-9284 1 Decal, Start, Fill, Drain (Skirt Front) 10 091-3067 3 Switch Push Button 11 091-3065 3 Switch Contacts	No.	Part No.	Req.	Description
3 098-2306 2 Washer, Flat #10 SS 4 098-2201 2 Locknut, 8-32, SS 5 089-9283 1 Decal, Prime/Master (Skirt Side) 6 091-3009 3 Toggle Switch 7 091-3008 1 Master Switch 8 099-1017 1 Door Latch Assembly 9 089-9284 1 Decal, Start, Fill, Drain (Skirt Front) 10 091-3067 3 Switch Push Button 11 091-3065 3 Switch Contacts	1	091-3070	1	
4 098-2201 2 Locknut, 8-32, SS 5 089-9283 1 Decal, Prime/Master (Skirt Side) 6 091-3009 3 Toggle Switch 7 091-3008 1 Master Switch 8 099-1017 1 Door Latch Assembly 9 089-9284 1 Decal, Start, Fill, Drain (Skirt Front) 10 091-3067 3 Switch Push Button 11 091-3065 3 Switch Contacts	2	098-1283	2	Bolt, 8-32x3/4", RH, SS
5 089-9283 1 Decal, Prime/Master (Skirt Side) 6 091-3009 3 Toggle Switch 7 091-3008 1 Master Switch 8 099-1017 1 Door Latch Assembly 9 089-9284 1 Decal, Start, Fill, Drain (Skirt Front) 10 091-3067 3 Switch Push Button 11 091-3065 3 Switch Contacts	3	098-2306	2	Washer, Flat #10 SS
6 091-3009 3 Toggle Switch 7 091-3008 1 Master Switch 8 099-1017 1 Door Latch Assembly 9 089-9284 1 Decal, Start, Fill, Drain (Skirt Front) 10 091-3067 3 Switch Push Button 11 091-3065 3 Switch Contacts	4	098-2201	2	Locknut, 8-32, SS
7 091-3008 1 Master Switch 8 099-1017 1 Door Latch Assembly 9 089-9284 1 Decal, Start, Fill, Drain (Skirt Front) 10 091-3067 3 Switch Push Button 11 091-3065 3 Switch Contacts	5	089-9283	1	Decal, Prime/Master (Skirt Side)
8 099-1017 1 Door Latch Assembly 9 089-9284 1 Decal, Start, Fill, Drain (Skirt Front) 10 091-3067 3 Switch Push Button 11 091-3065 3 Switch Contacts	6	091-3009	3	Toggle Switch
9 089-9284 1 Decal, Start, Fill, Drain (Skirt Front) 10 091-3067 3 Switch Push Button 11 091-3065 3 Switch Contacts	7	091-3008	1	Master Switch
10 091-3067 3 Switch Push Button 11 091-3065 3 Switch Contacts	8	099-1017	1	Door Latch Assembly
11 091-3065 3 Switch Contacts	9	089-9284	1	Decal, Start, Fill, Drain (Skirt Front)
	10	091-3067	3	Switch Push Button
12 291-7101 1 Cycle Light	11	091-3065	3	Switch Contacts
	12	291-7101	1	Cycle Light



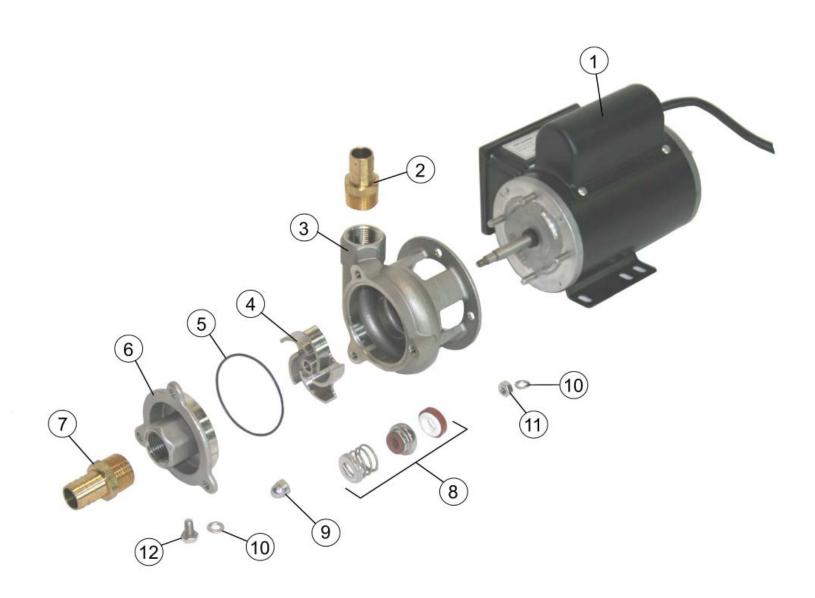
065-1600 Plumbing Assembly ETAF-M PDH Series 065-1800 Plumbing assembly ETAF-3 PDH Sereis

Ref.		No.	
No.	Part No.	Req.	Description
1	086-6170	1	Bracket, Plumbing, ET
2	098-9026	1	U-Bolt, 1/4"
N/S	098-2507	2	Nut, Lock, ¼-20 with Nylon Insert
3	092-1006	3	Fitting, Plumbing Street "L" ½"
4	092-5054	1	Valve, Ball, ½"
5	292-3003	2	Nipple, ½" x Close, SS
6	092-9001	1	Line Strainer, ½" Y Type
7	092-5015	1	Valve, Water Solenoid Complete – ½" G
8	092-1058	3	Fitting, Plumbing 5/8" Compression x ½" MPT
9	094-1040	Bulk	Tubing, Plumbing 5/8"OD SS (Sold Per Inch)
10	092-1063	1	Fitting, Plumbing ½" FPT x 5/8" Compression
11	092-1100	2	Fitting, Plumbing 5/8" Compression x ½" MPT 90° Elbow
12	092-5045	1	Valve, Vacuum Breaker ½"
13	092-1102	1	Fitting, Plumbing 5/8" Comp x 5/8" Comp x 3/8" Comp Tee
14	089-6304	1	Gasket, L.A. Plumbing
15	086-6825	1	Bracket, Spray Deflector, L.A. Plumbing
16	092-1104	1	Nut, Plumbing 3/8" Compression Locknut
17	092-1101	1	Fitting, Plumbing 5/8" Comp x 5/8" Comp 90° Elbow
18	092-5027	1	Valve, Check ½"
19	092-1062	1	Fitting, Plumbing ½" Comp x ½" MPT 90° Elbow
20	092-3116	1	Tube, Fresh Water Supply, ET
21	092-1022	1	Fitting, Plumbing ½" Comp x 3/8" MPT 90° Elbow
REP	092-5049	0	Cap, Vacuum Breaker, 1/2" Watts
REP	092-5047	0	Kit, Vacuum Breaker Repair, ½" Watts
REP	092-5051	0	Bonnet & Stem, Vacuum Breaker, ½" Watts
REP	092-5016	0	Kit, Water Solenoid Valve, ½" J/E
REP	092-5025	0	Valve, Water Solenoid, Less Coil, ½" J/E
REP	092-5017	0	Coil, Water Solenoid Valve, J/E



066-2000 Drain System Assembly ETAF-3 / ETAF-M PDH Series

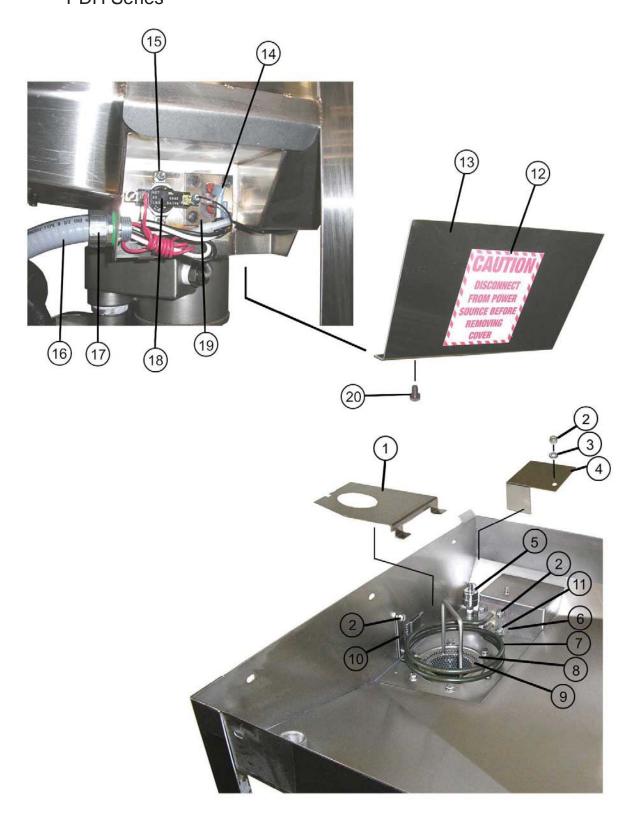
Ref. No.	Part No.	No. Req.	Description
1	063-2900	1	Pump Assembly, ET Drain Pump, SS W/Hose Barbs
2	086-6318	1	Plate, mounting, Pumped Drain Pump, SS, ET
3	098-1423	10	Bolt, 1/4-20 x 1/2", HH, SS
4	098-2416	11	Washer, ¼" Flat, SS
5	098-2507	7	Locknut, 1/4-20, Nylon Insert, SS
6	092-1151	3	Fitting, ¾" MPT x ¾" Hose Barb, Brass
7	098-9009	7	Clamp, Hose, 7/8" Screw Type
8	093-1051	Bulk	Hose, Drain, ET Pump, 3/4" ID (Sold by the Inch)
9	085-6215	1	Reducer, ET Pumped Drain (Drain Elbow to Hose)
10	082-6602	1	Drain Elbow, 1 ½" Outside Sump
11	098-1508	6	Bolt, 5/16-18 x 5/8", HH, SS
12	089-6602	1	Gasket, Drain Tee & Drain Elbow
13	082-6610	1	Drain Casting, ET, Pumped Drain
N/S	082-6608	Rep	Drain Casting, ET, Pumped Drain(Sump & Tailpiece)
14	299-1004	1	Gauge, Temperature, 3 ft. Capillary
15	085-6339	1	Tailpiece, SS, ET
16	092-1012	1	Nut, Slip, 1 ½"
17	092-2002	1	Gasket, Slip Nut, 1 ½"
18	089-6601	1	Gasket, Drain Casting "Sump"
19	085-6217	1	Screen, ET Series, PDH, Outer, No Handle
20	085-6218	1	Screen, ET Series, PDH, Primary with Handle
21	086-6337	1	Bracket "L Shaped", Outer Screen Hold Down, ET PDH
22	085-6216	1	Drain "Y" SS Pipe, For ET PDH Drain Hose
23	092-1074	1	Fitting, Plumbing ¾" "LF" Street 90 Deg. Elbow



063-2900 Drain System Assembly ETAF-3 / ETAF-M

Ref.		No.	
No.	Part No.	Req.	Description
1	091-1025	1	Motor, Pumped Drain Pump 1/6 HP
2	092-1151	1	Hose Barb,
3	082-6315	1	Rear Housing, Pumped Drain Pump
4	082-6317	1	Impeller, Pumped Drain Pump
5	089-6311	1	O-Ring
6	082-6316	1	Pump Cover, Pumped Drain Pump
7	092-1151	1	Hose Barb
8	092-2005	1	Seal Assembly
9	098-2405	1	Cap Nut
10	098-2417	7	Lockwasher
11	098-2401	4	Nut, 1/4-20, HH, SS
12	098-1423	3	Bolt, ¼-20 x ½" HH, SS
N/S	086-6318	Rep	Plate, Pump Drain Pump (See Assembly 066-2000)
N/S	098-9009	Rep	Clamp, Hose (See Assembly 066-2000)
N/S	093-1051	Rep	Hose (See Assembly 066-2000) Sold by the Foot

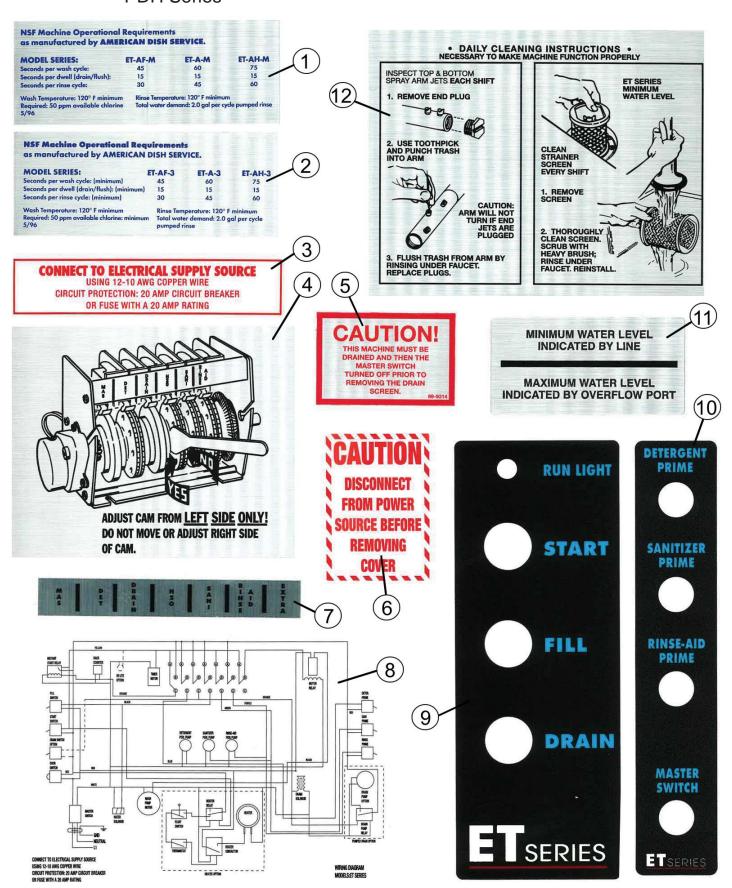
068-0400 ET Series Heater Assembly ETAF-3 / ETAF-M PDH Series



068-0400 ET Series Heater Assembly ETAF-3 / ETAF-M PDH Series

Ref. No.	Part No.	No. Req.	Description
1	086-6329	1 1	Cover, Heater Safety
2	098-2507	6	Locknut, ¼-20, SS
3	098-2416	2	Washer, ¼" Flat, SS
4	086-6331	1	Cover, Float
5	091-3081	1	Float Switch, SS
6	089-6612	1	Gasket, Heater
7	091-9010	1	Heater
8	085-6217	1	Screen, Outer
9	085-6218	1	Screen, Inner
10	086-6337	1	Bracket, Outer Screen Hold Down "L"
11	098-2415	4	Washer, ¼", SS/Rubber
12	089-9290	1	Decal, CAUTION Disconnect From Power
13	086-6328	1	Cover, Heater Box
14	091-6157	Rep	Flag Connector, 1/4"
15	098-2201	2	Locknut, 8-32, SS
16	091-5156	Rep	Conduit, ½" (Sold by the Foot)
17	091-4141	Rep	Conduit fitting, ½" Straight
18	091-2008	1	Thermal Disk
19	085-6220	1	Plate, Heater Stud
20	098-1423	2	Bolt, 1/4-20 x 1/2", HH, SS
N/S	091-5224	1	Terminal, Molex Pin (For Float Wiring)
N/S	091-5223	1	Housing, Molex (For Float Wiring)
N/S	091-5247	1	Terminal, ¼" Spade (For Float Wiring)

089-9460 ET Series Decal List ETAF-3 / ETAF-M PDH Series



089-9460 ET Series Decal List ETAF-3 / ETAF-M PDH Series

Ref. No.	Part No.	No. Req.	Description
1	089-9296	1	Decal, NSF, ET-AF-M (All Time Cycles) See 064-2902
2	089-9297	1	Decal, NSF, ET-AF-3 (All Time Cycles) See 064-2902
3	089-9209	1	Decal, Connect to Power Source
4	089-9227	1	Decal, Adjustment Cam Decal
5	089-9314	1	Decal, Caution Must Drain Machine
6	089-9290	2	Decal, Disconnect From Power See 064-2903
7	089-9226	1	Decal, Cam Timer
8	089-9230	1	Decal, Wiring Diagram
9	089-9284	1	Decal, Start, Fill, Drain (Skirt Front) See 064-2904
10	089-9283	1	Decal, Prime/Master (Skirt Side) See 064-2904
11	089-9308	1	Decal Low Water Level
12	089-9205	1	Decal, Cleaning Instruction, Inside Sump
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