

## Parts Washer Electric Heat Retrofit

Our high-output retrofit electric heat system provides maximum heat energy for parts cleaning, and allows quick turn around and recovery times between wash loads. The system includes everything required for installing electric wash solution heating in your machine. The system consists of the following:

- A set of Immersion Heating Elements for direct heating of the washing solution. The corrosion resistant element sheath and element watt density is specifically designed for use in the highly alkaline and oily-grease laden solution of the Parts Washer. Other types of element materials and those with higher power densities fail prematurely. Each element has a Moisture Resistant NEMA 12 terminal enclosure with gasket cover.
- Screw plug couplings for mounting elements in the washer reservoir wall and the necessary wires enclosed in flexible water-tight conduit and seal-tight connectors.
- An engineered and factory-constructed auxiliary electrical enclosure with disconnect. This enclosure is mounted to the side of the washer to control the heating elements via the existing temperature controller. Your separate source of 3-phase power is interlocked with the main enclosure to remove all power to the Auxiliary enclosure when opened.
- Engineering Services needed to complete the electrical design, schematics, panel layout drawings and installation instructions for your specific machine. Your records are automatically updated in our files so we have current configuration data to assist you in the future.

The entire system will conform to the most current version of the NFPA 79 Electrical Code for Industrial Machinery.

Below are estimated amp draws for various size electric heating systems. Select the appropriate one for your machine size. If the amp draw exceeds your plant capacity there are several simple options. Either reduce the amount of total heat or use our load shedding design that shuts-off part of the electrical heat during pump operation.

Estimated additional AMP Draws				
Heating System input	Elements	460v	230v	208v
160 kW	8	192	384	424
120 kW	6	144	288	338
80 kW	4	96	192	222
60 kW	3	72	144	163
45 kW	3	54	108	119
30 kW	2	36	72	80

Below are several photographs. The first one is an installed system with the auxiliary panel. The second photograph shows electric heating elements mounted inside of the reservoir.



Installation: You may install the system with our instruction or we can install it at your site with our factory trained service technician.

Warranty: We warranty our parts for 1 year after installation.



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