

J.L. BECKER COMPANY

QUALITY HEAT TREATING EQUIPMENT AND COMPONENTS

DUNK SPRAY AND AGITATE PARTS WASHER

GENERAL DISCRPTIONS

The J. L. Becker batch washer is compatable with most other manufacturers furnace lines. Our washer is disigned and constructed to handle a maximum gross load of 4000 pounds. The standard load sixes are 36" wide × 48" deep × 30" high, and 30" wide × 48" deep × 30" high and will accomodate the functions of most transfer charge car. Other sizes are available upon request, and will be manufactured to your specifications.

OPERATION

1. An operator will load the machine and manually close the door.
2. The start button will be pushed to lower the elevator, at which point the agitation and spray cycle will begin.
3. Rinsing will continue until operator engages stop button.
4. Following the rinse cycle, manually operated door will open and load will drain.

WASH TANK

The bottom of the wash tank will be constructed of 1/4" thick plate with the sides, top and balance fabricated of 3/16" thick plate. The entire machine will be welded, water tight and reinforced.

ELEVATOR

The elevator will be fabricated of structural steel with steel rollers and chain guides or comparable for your transfer charge car. It will be pneumatically operated with a Hanna or equal cylinder and Parker Hannifin or equal soleniod valve.

WASHER DOOR

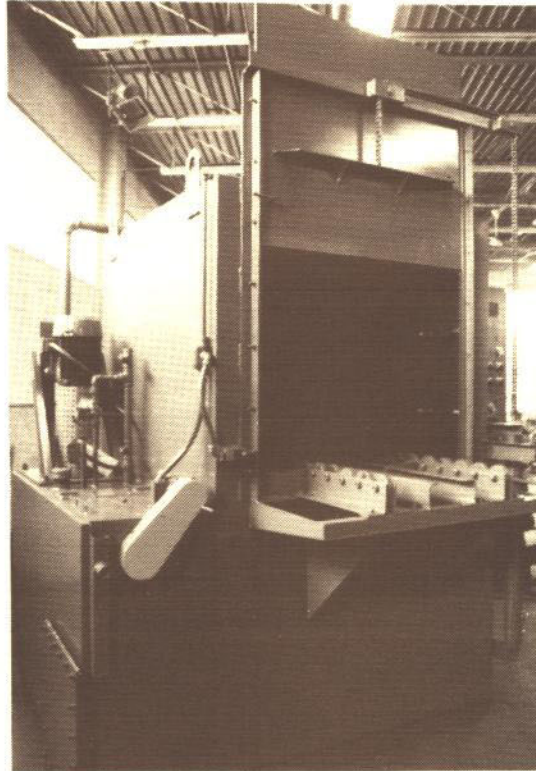
The door will be constructed be 3/16" thick plate, pneumatically operated with a manual valve. The vertically operated door will operate with chain and idler sprocket attached to door cylinder. The door guides are fabricated in such a manner to eliminate any water leakage.

SPRAY SYSTEM

The system will consist of a 200 GPM, 5 HP with 50' of total head distance. The suction pump will be protected with two removable filter screens. There will be forty-two (42) spray nozzles to rinse work load and six (6) skimming nozzles will be located to move surface water to the rear of the machine where the oil skimmer will pick up and move residual oil off the water surface.

LEVEL CONTROL

The liquid level control will utilize a Clayton float valve for water make-up. For intial filling, we will provide a rapid fill line complete with manually operated valve.



HEATERS

The washer solution will be heated with three (3) Bayonet style electric heating elements, or gas fired thru a radiant tube assembly capable of maintaining 180 degrees F. tank temperature.

CONTROL PANEL

The panel will consist of a NEMA 12 enclosure with all nessary Square D disconnects, transformers, motor starters, relays and timers for a total operation of the washer.

INSTRUMENTS

The temperature will be controlled by a Barber Colman madel 121A controller mounted in the control panel.

OIL SKIMMER

A JLB automatic oil skimmer/separator will be mounted on the side of the water. This assembly will be provided complete with skimmer tank, drum and blade assembly, chain, drive, liquid level and water makeup controls.

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