

# Trolley Cabinet Wash

## FOCUSED SPRAY

- 40 NOZZLES FOCUS ON ONE SECTION OF EACH TROLLEY.
- 20 NOZZLES WASH THE TOPS OF EACH RACK.
- 20 NOZZLES WASH THE BOTTOMS OF EACH RACK.

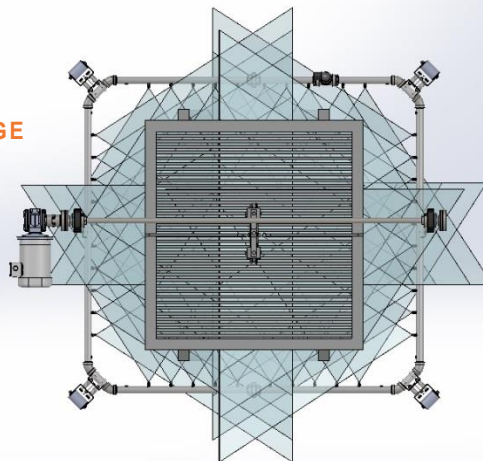
FOCUSED SPRAY



## FULL COVERAGE

- WASH MANIFOLD SURROUNDS TROLLEY LEAVING NO SURFACE UN-TOUCHED.
- WASH MANIFOLD IS RAISED AND LOWERED TO WASH ENTIRE HEIGHT OF TROLLEY.

FULL COVERAGE



**BLACK BEAR ENGINEERING**

300 HIGHWAY 5 SOUTH, PLEASANTVILLE, IA 50225

# Trolley Cabinet Wash

## Description of Operation

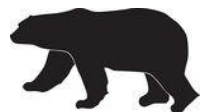
- Soiled trolley is loaded into wash cabinet and doors are closed.
- Wash is started.
  - Wash pump starts and wash manifold raises and lowers until rack is cleaned.
  - Stationary fresh water rinse nozzles rinse rack.
- Operator evaluates trolley and replaces clean trolley with a soiled trolley.

## Features

- Wash water temperature is adjustable. Wash temperatures are recommended to be approximately 10°F to 20° above cooking temperatures; however, some soils don't require higher temperatures.
- The number of times the wash manifold raises and lowers is adjustable.
- The speed the wash manifold raises and lowers is adjustable.
- Automatic and adjustable chemical addition to wash water.
- Rinse times are adjustable.
- Wash time from 3 to 10 minutes depending upon soil load.

## Reclaim System

- Centrifugal Pump, 150 GPM at 40 PSI, 10 HP motor
- VFD on Centrifugal Pump offers "soft" electrical start and ensures constant wash water flow despite how full the filter is, ensuring efficient steam injection and consistent wash quality.
- Minimize fresh water usage.
- Minimize Chemical usage.
- Minimal maintenance.
- Easy to clean basket filter.



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#### TECHNICAL SUPPORT

7:30AM – 4:00PM CST M-F

P 515-848-3885

F 515-848-3886

OFF HOURS

515-360-5926

#### TURNKEY SOLUTIONS

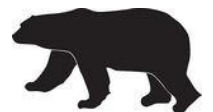
Systems designed for  
specific application.

## Options

- Door windows. Lexan MR10 with Margard II UV and Abrasion-Resistant Coating.
- Manual operation which includes:
  - A joystick to raise and lower the wash manifold.
  - Wash pump push button.
  - Rinse push button.(Window option required)

## Key Wash Advantages

- OPTIMIZES KEYS TO WASH QUALITY:
  - WASH TIME
  - WASH WATER TEMPERATURE
  - CHEMICAL
  - MECHANICAL ACTION
- FOCUSED SPRAY: The wash manifold has 40 nozzles, 20 pointing downward spraying the top of each rack and 20 pointing upward spraying the bottom of the each rack.
- FULL COVERAGE: The wash manifold completely surrounds the trolley. Each side has 5 nozzles pointing upward 5 nozzles pointing downward. The spray overlaps ensuring complete coverage of trolley both upward and downward.
- FULL AUTOMATIC CONTROL: Allen-Bradley PLC allows adjustment of manifold speed, number of wash passes, rinse time, starting and stopping of manifold etc. Each trolley could have its own wash specific program. Each soil could have its own program.
- DIRECT STEAM INJECTION: 28% or more in savings on steam costs using direct steam injection than tube heater design.
- OPTIONAL FULL MANUAL CONTROL: A joystick allows the operator to focus on an area of heavy soil. Safe for employees, chemical and hot water contained inside cabinet.



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