High Speed In-Line Cleaning System

The PowerZone In-Line Cleaning system is the most efficient and fastest way to clean continuous product. Designed for cleaning wire, rod, tubing, strip, and extrusions either in-line or separate from the production line. High power ultrasonic scrubbing action, with relatively mild chemistries, produces exceptionally clean product at speeds up to 400 fpm.

FOCUSED HIGH INTENSITY DESIGN
The 20 kHz Radial transducers deliver the highest ultrasonic cleaning power available in the world. With more than 4000 Watts/gallon directed from 360 degrees, fast and effective cleaning is accomplished at high speeds and in a short machine footprint.

FULLY INTERLOCKED SYSTEM
The PowerZone In-Line Cleaning system is as easy to setup as it is to use. With system interlocks, the machine will tell the operator its status. The system can be configured to electronically communicate with other equipment in the processing line, making it an easy fit into your production environment.

COMMON PRODUCTION USES
After: drawing, forming, extruding
Before: annealing, cladding, plating, coating

IN-LINE RADIAL APPLICATIONS
Wire, Tubing, Braided Product, Cable, Extruded Shapes, Hose, Moulding, Rod, Strip
**MACHINE DIMENSIONS**

- **Length (see note 1)**: A 66.00"
- **Width**: B 49.00"
- **Height (see note 2)**: C 69.10"
- **Pass Height (see note 3)**: D 42.00"

**SERVICE CONNECTIONS**

- **Drain Valve (NPT)**: 1.00"
- **Overflow (NPT)**: 1.00"
- **Vapor Exhaust (diameter)**: 4.00"
- **Water Inlet (NPT)**: 0.50"

**ELECTRICAL SUPPLY (other voltages available):**

- 240V/3/60Hz (1000-3000 Watts) 83A
- 240V/3/60Hz (4000 Watts) 104A
- 480V/3/60Hz (1000-3000 Watts) 42A
- 480V/3/60Hz (4000 Watts) 52A

**GENERAL DATA**

- **Tank Wall Thickness (ga.)**: #12
- **Radial Transducer Diameter (I.D.)**: 3.00"
- **Ultrasonic Power Output (per trans.)**: 1000W
- **Wash Volume (gal.)**: 125
- **Heater Rating (kW)**: 24

**NOTES**

1. Length increases by 13.5" when optional rinse is added.
2. Height increases by 10" when more than two transducers are used.
3. Minimum pass height of 40.50". Higher pass heights available.

**STANDARD FEATURES**

- Electrically heated stainless steel process tanks
- Submersible radial transducer
- Wash tank filter and pump
- GMR ultrasonic generators with self diagnostics
- Transducer liquid level interlock
- Low liquid heater protection
- Digital temperature controller
- Operator controls
- Maintenance access from either side of machine
- Rinse tank filter and pump
- Air blow-off before and after rinse

**AVAILABLE OPTIONS**

- Special alloy transducer materials
- Entrance air blow off with collection chamber
- Pre-wash and/or post-wash spray
- Various drying configurations
- PLC with touch screen controls
- Automatic level control for reservoirs
- Solution conductivity controls
- Additional spray chambers, air blow offs, heated dyers, etc.