

# Self-Contained Cabinet: C-2518 and C-3024

## Ultrasonic Cleaners



C-2518 Self-Contained Cabinet Cleaners provide all components and accessories in one cabinet. Circuit breaker, timer, and all controls are mounted on the control panel for operator convenience. Access to the generator, pump, heaters, and other accessories is through the latched front access door. Filter housing is located externally at the rear. Units with 4000 watts of ultrasonics have a separate NEMA 12 enclosure for generators and controls. Matching Rinse and Drying Units are available to give a complete Ultrasonic Wash, Rinse, and Dry operation.

### CONTROLS

Controls include: Ultrasonic generator switch, fill button, heater switch, pump mode selector switch, circuit breaker, 0-30 minute interval timer, and thermostatic control.

### TRANSDUCERS

Electronic Grade "A" nickel, silver brazed to a heavy, up to 1/4" thick, type 316L stainless steel radiating diaphragm (tank bottom). Coils are wound with a high temperature magnet wire. Unconditional 10 year warranty.

### GENERATOR

All solid-state providing high efficiency, and low maintenance. Generators operate at 20 kHz. Synchronous operation, provides 2000 watts continuous power in each module. Meets FCC requirements. Available to MIL-STD-461. Air filters are cleanable.



### Recirculatory System

**Pump:** Single Stage, centrifugal, sealless, magnetically driven with all wetted parts of ryton, ceramic, and stainless steel, 10 GPM with 12 Ft. head.

**Filter:** Housing of stainless steel, 20" disposable polypropylene filters. A variety of elements can be used. Mounted on the exterior rear for easy change.

**Heaters:** Constructed of Incoloy and 300 series stainless steel, immersion heater can maintain 200°F. Low-level sensor protects pump, heater, and transducers.

**Plumbing and Fittings:** Inlet plumbing and fittings of copper. Recirculatory system is stainless steel, Ryton and Neoprene. Stainless drain valve with Teflon seal is provided. Recommend operating range of 110°F - 175°F.

### Installation:

Electrical requirements noted in chart. Plumbing: Fill water 1/2" NPT. Drain 1" CPVC drain (stainless steel available).

### SPECIFICATIONS

Model	C-2518	C-3024
Cleaning Tank Size	25" x 18" x 15 1/2"	30" x 24" x 20"
Liquid Depth	12"	15"
Liquid Capacity	23 Gallons	46 Gallons
Generator Output Power	2000 watts (4000 watts optional)	4000 watts (remotely mounted generator enclosure)
Cabinet Size	35 1/2" x 40" x 35" H	40 1/2" x 45 1/2" x 40" H
Heater Size	4.5 kW	6 kW

### ELECTRICAL REQUIREMENTS

Suffix - A	240 VAC, 1 ph, 20 amps	240 VAC, 1 ph, 30 amps
Suffix - E	480 VAC, 1 ph, 20 amps	480 VAC, 1 ph, 30 amps

Gives a complete Ultrasonic Wash, Rinse, and Dry operation.



## MATCHING CABINET CONSTRUCTION

**CLEANER, RINSER, AND DRYER** Each unit constructed of 16 gauge stainless steel, polished type 304 stainless steel countertop with drip-proof edge. Lid is insulated, double-pan type, stainless steel. Control panel mounted in front countertop, opens out for servicing. Four flanged adjustable leveling feet.

## OPTIONS

### TIMER

Optionally available for Rinser and Dryer (0-30 minute)

**STAINLESS STEEL PUMP** on cleaner for high caustics and high temperature operation

### BASKETS

Stainless steel expanded metal (4x4 or 8x8 mesh also available)  
Lift lower platforms and rotating fixtures

### OPTIONS FOR RINSER

Heater - for immersion mode  
Pump and Filter - for immersion mode

### *Rinser R-2518 and R-3024*

These provide a matching rinse unit offering a clean spray and/or immersion rinse system, a skim overflow weir and bottom drain. The electrically operated units can be used in manual mode or operated automatically by closing and opening the lid.

**Water Spray Rate:** 13 GPM @ 40 psi.

**Plumbing: Inlet:** 3/4" - NPT- Hot Water

**Drain:** 1-1/4" NPT

Available in 120 VAC, 240 VAC, 480 VAC, single phase

The nonelectrical unit has a manually operated valve.

**Type F:** Electrically operated suitable for tap water.

**Type FS:** Electrically operated for deionized water, stainless steel inlet plumbing.

**Type M:** Manually operated valve for tap water.

**Type MS:** Manually operated valve for deionized water.

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