



CLAM[®]

Aqueous Parts Cleaning Systems

Saving time, money and the environment.

www.CLAM.net

Made in the USA
VOLUME 4000



Aqueous Parts Cleaning Systems

Saving time, money and the environment.

DESCRIPTION *and* OPERATION SHEET

CLAM® Products presents the CLAM® and MINI-WASH™ Parts Cleaning Systems for consideration. All systems use water soluble, biodegradable detergents to provide an environmentally safe method for washing parts containing grease, oil, chips and dirt.

CLAM® SPRAY CABINET MODELS

CLAM® Spray Cabinet Models spray the parts with hot solution (180°F) and 60 - 150 GPM and 35 - 74 PSI. The parts are rotated during the cleaning process by a water driven turntable which employs system pump energy rather than separate drivers. CLAM® Systems have an oil skimming process which is an integral part of unit design. CLAM® Spray Manifolds are designed to operate without the use of high maintenance nozzles.

Three sizes are normally stocked for rapid delivery. These are the C24E, C50E and C100E. Other sizes are built on customer request. Units are supplied in carbon steel, with a polyurethane painted exterior. Stainless Steel construction and a wide variety of options are also available. See the descriptive literature included.

MINI-WASH™ SPRAY CABINET MODELS

MINI-WASH™ Spray Cabinet Models are designed for customers who need aqueous cleaning in a smaller package or who have long, slender parts to clean such as axles and drive shafts. The MINI-WASH™ Systems employ the same manifold design used in the CLAM® Systems.

Two MINI-WASH™ sizes are normally in stock for quick delivery. These are the MW1624 or MW1636. Other sizes are built on customer request. Units are supplied in carbon steel, with a polyurethane painted exterior.

MINI-WASH™ SUBMERGED ROTATING BASKET SYSTEMS

MINI-WASH™ Submerged Rotating Basket Systems were developed for precision cleaning of small, delicate parts which require water cushioning during cleaning. They also can be used for volumes of small parts which are not easily cleaned by spray alone. MINI-WASH™ Submerged Rotating Basket Systems allow both spray and submerged spray operations. These systems can be expanded to include optional spray rinse, submerged rinse, ultra-

sonic wash, ultrasonic rinse and hot air dry; depending on process requirements. Multiple functions are controlled by a PLC driven power panel.

MINI-WASH™ Submerged Rotating Basket Systems are constructed of 304 Stainless steel to allow a wide variety of detergents to be used. Two standard machine sizes are available and custom baskets can be provided. See descriptive literature for more details.



SAFETY & ENVIRONMENTAL CONCERNS

CLAM® Products Systems use hot water and biodegradable detergents to clean parts. This protects employees and the environment by removing exposure to harmful solvents such as tri-chlor, freon and petroleum distillates like mineral spirits or kerosene.

ECONOMIC CONTRIBUTION

CLAM® Products customers experience lower direct costs by eliminating high solvent costs and minimizing labor costs. Use of CLAM® Products also reduces indirect costs by minimizing hazardous waste programs by the use of biodegradable detergents and water.



"Nothing Cleans Like The CLAM!"®

Made in the U.S.A.

INDUSTRIAL/AUTOMOTIVE

CLAM[®] "E" Spray Cabinet Models



C 5 0 E

New F200E Top/Front Load Model



F 2 0 0 E



C 1 5 0 E

ANY MACHINE CAN
BE BUILT TO YOUR
SPECIFICATIONS

New

FEATURES	C50E	F200E	C150E	C250E	C350E
External Dimensions					
Width	50"	71"	91"	103"	115"
Depth	55"	74"	91"	104"	121"
Height Closed	53"	68"	76"	80"	94"
Height Opened	83"	111"	125"	142"	161"
Turn Table Diameter	34"	48"	62"	74"	86"
Working Height	28"	36"	50"	54"	62"
Capacity in Lbs. Loading	1000 Top	3000 Top/Front	3500 Top	4000 Top	8000 Top
Solution Reservoir Gals.	80	150	190	265	350
Cabinet Construction	Dual Steel	Dual Stainless	Dual Steel	Dual Steel	Dual Steel
Insulated	Lower	Lower	Lower	Lower	Lower
Lid Operation	Manual	Semi-Auto	Semi-Auto	Semi-Auto	Semi-Auto
Cycle Timer Spring/Min. 0-120	Included	Included	Included	Included	Included
Electrical Power	NEMA4	NEMA4	NEMA4	NEMA4	NEMA4
Single Phase (Standard)	208/240V	208/240V	N/A	N/A	N/A
Three Phase	208/480V	208/480V	208/480V	208/480V	208/480V
Amps (Standard Phase)	60	70	90/45	90/45	115/70
Heating Element	12KW	12KW	18KW	18KW	18KW
Pump	Cast Iron	Cast Iron	Cast Iron	Cast Iron	Cast Iron
Horse Power	5	5	Dual 5	Dual 5	Dual 5
PSI	50	50	50	50	50
Gpm	120	120	120	120	120
Particle Filter					
First Stage	Included	Included	Included	Included	Included
Pump Filter	Included	Included	Included	Included	Included
Oil Skimmer	Included	Included	Included	Included	Included
Low Water Shut Off/ Auto Water Fill	Option	Option	Option	Option	Option
Timer-24 Hour/7 Day	Included	Included	Included	Included	Included
Rinse Cycle (Stainless Steel) To Tank	Option	Option	Option	Option	Option
Rinse Cycle (Stainless Steel) to Drain	Option	Option	Option	Option	Option
Rinse Supply Tank (304 Stainless Steel)	Option	Option	Option	Option	Option
Low Micron (5-100 Micron) Bag Filter	Option	Option	Option	Option	Option
Spray Wand	Option	Option	Option	Option	Option
3-Phase Power 50/60 Cycle 380/600 Volt	Option	Option	Option	Option	Option
Production Start/ Stop Light	Option	Option	Option	Option	Option
Compressed Air Blow Dry	Option	Option	Option	Option	Option
Hot Air Blow Dry	Option	Option	Option	Option	Option
CLAM [®] Clean Out Pump	Option	Option	Option	Option	Option
Warranty	1-Year	1-Year	1-Year	1-Year	1-Year

Carbon Steel Construction with Polyurethane Painted Exterior Finis

INDUSTRIAL/AUTOMOTIVE

MINI-WASH™ Spray Cabinet Models

M W 1 6 2 4



ANY MACHINE CAN
BE BUILT TO YOUR
SPECIFICATIONS

M W 1 6 3 6



APPLICATIONS

- Pre-Machine Cleaning of Forgings and Raw Metal Blanks
- Post-Machine Finished Parts Cleaning, Of Coolant, Oil & Chips
- Any Industrial Application

FEATURES

- 100% Waste Containment
- Biodegradable Detergent
- Easy To Access Filter
- Low Maintenance Spray Manifold
- Easy To Use Vacuum Clean Out System

BENEFITS

- Increase Production
- Reduce Cleaning Time
- Reduce Cleaning Cost
- EPA Compliance Solution
- Reduced Workers' Compensation Risk
- Reduced Property and Casualty Risk
- Environmentally Safe
- Uses Water and Biodegradable Detergents
- No Solvents
- Closed Loop System

FEATURES	MW1624	MW1636	MW1648	MW1660
External Dimensions:				
Width	36"	48"	60"	72"
Depth	34"	34"	34"	34"
Height Closed	32"	32"	32"	32"
Height Opened	50"	50"	50"	50"
Internal Dimensions:				
Width	16"	16"	16"	16"
Length	24"	36"	48"	60"
Height	13"	13"	13"	13"
Capacity in Lbs. Loading	500 Top	500 Top	500 Top	500 Top
Solution Reservoir Gals.	34	47	61	74
Cabinet Construction Insulated	Single Steel No	Single Steel No	Single Steel No	Single Steel No
Lid Operation	Manual	Manual	Manual	Manual
Cycle Timer Spring/Min. 0-120	Included	Included	Included	Included
Electrical Power				
240V	240V	240V	240V	240V
Phase	One	One	One	One
Amps	40	50	50	50
Heat Element	6KW	6KW	6KW	6KW
Pump (304 Stainless)				
Horse Power	1	3	3	3
Psi	30	45	45	45
Gpm	40	60	60	60
Particle Filter				
Pump Filter	Included	Included	Included	Included
Oil Skimmer	Option	Option	Option	Option
Low Water Shut Off/ Auto Water Fill	Option	Option	Option	Option
Timer-24 Hour/7 Day	Option	Option	Option	Option
Low Micron (5-100 Micron) Bag Filter	Option	Option	Option	Option
Spray Wand	Option	Option	Option	Option
3-Phase Power 50/60 Cycle 208-600 Volt	Option	Option	Option	Option
Production Start/Stop Light	Option	Option	Option	Option
CLAM® Clean Out Pump	Included	Included	Included	Included
Warranty	1-Year	1-Year	1-Year	1-Year

Available in 304 Stainless Steel

PRECISION CLEANING

MINI-WASH™ Stainless Steel Submerged Rotation Basket Systems

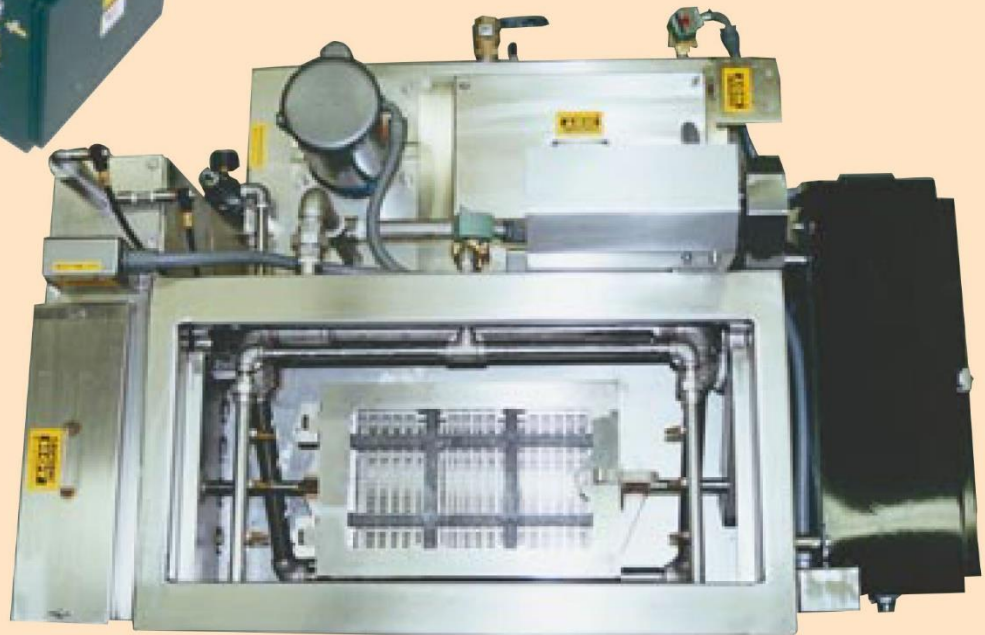


MWSRS1430

BASKET DIMENSIONS

LARGE BASKET DIMENSIONS: 9.625" x 15.75" x 5.562"

SMALL BASKET DIMENSIONS: 6.56" x 9.62" x 5.25"



ANY MACHINE CAN
BE BUILT TO YOUR
SPECIFICATIONS

Standard
Spray/Submerged Wash
One Large or Two Small
Basket System

Electric
1 or 3 Phase, 208/480 Standard

OPERATION: Push Button PLC operation for all cycles. Simply push the Start Button which activates the Spray Wash Cycle and Rotation Motor. After cycle is complete, the PLC Controller starts the Air Operated Plunger Valve and activates the Submerged Wash, Auto Quick Fill Valve Cycle. The Quick Fill stays on until the water level reaches the Level Probes which stop the Quick Fill Operation and start the Rotation Motor. All cycles can be programmed from 0-10 minutes and can be changed easily with the Controller Pad located inside the Control Box. After the Submerged Wash Cycle is complete, the Rotation Motor stops and the Air Controlled Plunger Valve is activated to Drain Tank. Any cycle can be bypassed by using the Toggle Switches mounted outside the Control Box for easy access.

OPTIONS AVAILABLE: Spray/Submerged Rinse Tank, 3 Phase Electric 380/600 Volt 50/60 Cycle, Insulation, Spray Wand, Cycle Start/Stop Light, Bag Filter (5 to 100 Micron), Spray/Submerged Rinse, Compressed Air Dry

FEATURES

- 304 Stainless Steel Construction
- 7 Day/24 Hour Programmable Timer Heaters
- Auto Water Fill Main Tank
- PLC Controller
- Safety Switch on Lid
- Removable Drain Screen (Easy Access from Outside the Submerged Wash Tank)
- 3 Hp 304S Wash Pump with 304S Pump Suction Filter

PRECISION CLEANING

CLAM[®] "E" Stainless Steel Spray Cabinet Models

ANY MACHINE CAN
BE BUILT TO YOUR
SPECIFICATIONS



C 5 0 E S



C 1 0 0 E S

FEATURES	C50ES	C100ES
External Dimensions:		
Width	50"	71"
Depth	55"	74"
Height Closed	53"	68"
Height Opened	83"	111"
Turn Table Diameter	34"	52"
Working Height	28"	42"
Capacity in Lbs. Loading	1000 Top	3000 Top
Solution Reservoir Gals.	80	150
Cabinet Construction Insulated	Dual Steel Lower	Dual Steel Lower
Lid Operation	Manual	Semi-Auto
Cycle Timer Spring/Min. 0-120	Included	Included
Electrical Power		
Single Phase (Standard)	NEMA4 208/240V	NEMA4 208/240V
Three Phase	208/480V	208/480V
Amps (Single Phase)	60	70
Heating Element	12KW	12KW
Pump		
Horse Power	304S 5	304S 5
PSI	50	50
Gpm	120	120
Particle Filter		
First Stage	Included	Included
Pump Filter	Included	Included
Oil Skimmer	Included	Included
Low Water Shut Off/ Auto Water Fill	Option	Option
Timer-24 Hour/7 Day	Included	Included
Rinse Cycle (Stainless Steel) To Tank	Option	Option
Rinse Cycle (Stainless Steel) to Drain	Option	Option
Rinse Supply Tank (304 Stainless Steel)	Option	Option
Low Micron (5-100 Micron) Bag Filter	Option	Option
Spray Wand	Option	Option
3-Phase Power 50/60 Cycle 380/600 Volt	Option	Option
Production Start/Stop Light	Option	Option
Compressed Air Blow Dry	Option	Option
Hot Air Blow Dry	Option	Option
CLAM [®] Clean Out Pump	Included	Included
Warranty	1-Year	1-Year

FEATURES/OPTIONS

*Stainless Steel
Second Stage
Pump Filter*
Standard on All Models



*Stainless Steel
First Stage Filter*
Standard on All
CLAM® Models



CLAM®
*Clean
Out Pump*
Customer Furnished Drum

CLAM®
Cleaning Compound

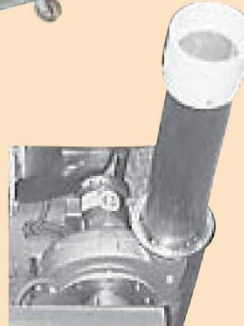


CLAM® Cleaning Compound is designed for oil and grease removal. Other soaps available for special applications.
MSDS Sheet Available Upon Request.

*Spray
Wand*
Optional on
All Models



*Exhaust
Fan*
Optional on
All Models



*Manual Side
Wash Tank*
Optional on all
CLAM® Models

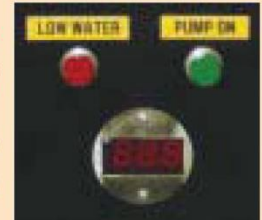


*Low
Micron
5 - 100*

*Bag Filter
Assembly*
Optional on
All Models



*Digital Temperature
Display/Control*
Available on All Models
with NEMA 4 Electric



Hood Safety Brace
Provided on all CLAM® Models



*Compressed
Air Dry*
Optional on All Models



*Cycle Stop/
Start Light*
Optional on
All Models



*Low Water
Turn Off/
Auto Water Fill*
Optional on
All Models



Hot Air Blow Dry
Optional on All Models

Not available on C24E and MINI-WASH™
Spray Wash Cabinet Models



*Stainless Steel
Rinse Cycle to
Drain or
Rinse Tank*
Optional on All Models

Except MINI-WASH™
Spray Wash Cabinet Models



*Stainless Steel
Rinse Cycle to
Rinse Tank*
Optional on All Models

Except MINI-WASH™
Spray Wash Cabinet Models

