

# Miji Lif® 24 Parts Cleaners

*Recognized as the Industry Standard*



The Magnus **MIJI LIF® 24** is the latest design of the original pneumatic driven platform agitation parts washer.

**Modular by Design**—the modular **MIJI LIF® 24** can be arranged to meet most cleaning applications as a stand alone, multi-stage with manual or automatic load transfer.

**Powerful Cleaning Capabilities**—rotation, particulate filtration, oil removal, ultrasonics, and high volume liquid sparging options are available to enhance the time-tested and proven platform agitation.

**Thorough Cleaning**—reaches difficult interior areas of parts by liquid shear forces via the vigorous agitation.

**Electric Agitation Control**—short and long strokes adjustable between 2" - 18".

**Sloped Bottom**—sloped bottom allows easy clean out of the tank.

**Load Capacity**—available in 150 lb. or 450 lb. load capability.

**Available in Six Standard Models**—

150 lbs.: ML 24 1X, ML 24 1.5X, ML 24 2X

450 lbs.: MAL 24 1X, MAL 24 1.5X, MAL 24 2X



Stand Alone Unit  
with Automatic  
Tank Cover and  
Ultrasonics



Multi-Stage with  
Manual Load Transfer




Multi-Stage with  
Automatic Load Transfer

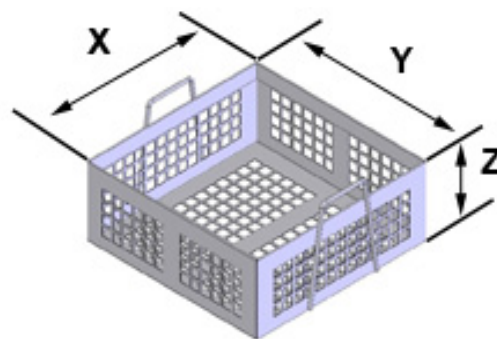
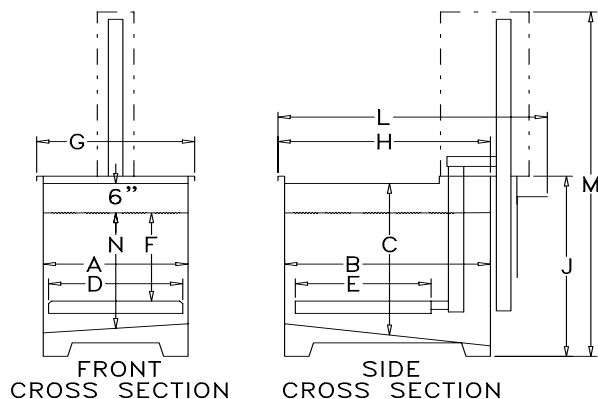
## STANDARD FEATURES:

- Aggressive vertical platform agitation
- Hot or cold cleaning up to 450 lbs. of parts
- Manual, hinged stainless steel tank cover with condensation return flange
- Standard roller platform for easy load transfer
- Liquid overflow port
- Water inlet coupling and drain valve
- Can be equipped for either aqueous or optional solvent cleaning
- Electric agitation control
- Stroke length adjustment between 2" - 18"
- Suitable for cellular manufacturing layouts
- Insulated carbon steel tank construction
- Painted carbon steel insulation panels and cylinder guard
- Stroke length selector for short and long stroke

## AVAILABLE OPTIONS:

- Basket rotation
- Turbulation
- Automatic tank cover
- Removable grate for roller platform
- Pumped or gravity counter flow on multi-stage
- Automatic water addition
- Automatic cycle timer for process control
- Programmable 7 day timer for auto tank heat up
- Low water level process lockout
- Partial tunnel enclosure for water vapor control
- System configuration with common utility drop
- Basket or custom load fixtures
- Electric (heater protection is standard) or steam heat
- Pneumatic agitation control
- Load/unload roller platform(s)
- Stainless steel tank and/or plastic liner
- Stainless steel insulation panels and cylinder guard
- Particulate filtration and/or oil coalescing
- Ultrasonics by 

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MACHINE DIMENSIONS				
MACHINE NUMBER:		24 1X	24 1.5X	24 2X
INSIDE TANK:				
Length	A	23.50"	36.75"	49.75"
Width	B	33.50"	33.50"	33.50"
Depth (nominal)	C	30.50"	30.50"	30.50"
DIPPING SPACE:				
Length	D	22.00"	35.25"	48.25"
Width	E	22.00"	22.00"	22.00"
Depth (See Note 1)	F	18.00"	18.00"	18.00"
OVERALL TANK (approx.):				
Length	G	26.00"	39.25"	52.25"
Width	H	36.00"	36.00"	36.00"
Height	J	35.50"	35.50"	35.50"
OVERALL MACHINE (approx.):				
Length	G	26.00"	39.25"	52.25"
Width (See Note 2)	L	44.50"	44.50"	44.50"
Height	M	70.50"	70.50"	70.50"
ROLLER PLATFORM:				
Total Length		22.00"	35.00"	48.00"
SOLUTION LEVEL:				
Height (nominal)	N	24.50"	24.50"	24.50"

SERVICE CONNECTIONS				
ALL MACHINES (heated or unheated):				
Air Consumption (CFM) (See Note 2)		3-5	3-5	3-5
Air Supply (maximum PSI) (See Note 3)		125	125	125
Air Inlet (NPT)		0.375"	0.375"	0.375"
Drain Valve (NPT)		1.25"	1.25"	1.25"
Overflow (NPT)		1.00"	1.00"	1.00"
Vapor Exhaust (diameter)		4.00"	4.00"	4.00"
Water Inlet (NPT)		0.50"	0.50"	0.50"
ELECTRICAL SUPPLY: (See Note 4)				
240V/1/60Hz		53A	53A	103A
240V/3/60Hz		32A	32A	61A
480V/3/60Hz		18A	18A	32A
STEAM HEATED MACHINES:				
Inlet/Outlet (NPT)		1.00"	1.00"	1.00"

BASKET DIMENSIONS (other sizes available)				
MACHINE NUMBER:		24 1X	24 1.5X	24 2X
Length	Y	20.00"	33.00"	46.00"
Width	X	20.00"	20.00"	20.00"
Depth	Z	8.00"	8.00"	8.00"

GENERAL DATA				
Load Capacity @ 100 PSI (lbs.) (See Note 2)		150	150	150
Liquid Capacity (gal.)		85	130	170
Tank Wall Thickness (ga.)		#12	#12	#12
Shipping Weight (approx. lbs.)		500	550	600

HEATING DATA (See Notes 5 & 6)				
HOURLY FUEL CONSUMPTION FROM COLD START:				
Electric (kW) (See Note 4)		12	12	24
HEAT TIME FROM COLD START:				
Electric (hrs.)		2-4	2-4	2-4

AGITATION DATA FOR ALL MACHINES (See Note 7)				
Short Stroke (See Note 8)		2.5-4.0"	2.5-4.0"	2.5-4.0"
Long Stroke (See Note 9)		In-Out	In-Out	In-Out
STROKES (per min.): (See Note 10)				
Short		120-160	120-160	120-160
Long		20-30	20-30	20-30

NOTES				
1.	Dipping Depth (F) reduced by 6" when ultrasonics are installed. Request extra-deep tank to maintain full dipping depth.			
2.	450 lb. load capacity [Overall Machine Width (L) becomes 54.50", Air Consumption becomes 7-11 CFM].			
3.	Lighter loads can operate at reduced air pressure.			
4.	Fully immersed stainless steel sheathed elements on all electrically heated units. Other voltages and phases on request.			
5.	Fuel consumption and heat up times listed are based on heating from room temperature to 180° F.			
6.	Contact factory for steam heated information.			
7.	The data shown is typical and may vary with air pressure, load weight, shape, and stroke length.			
8.	Maximum part height is 12" - 14" for full immersion cleaning.			
9.	Long stroke is advantageous in flushing out blind holes in parts.			
10.	A stroke equals travel in one direction.			