

Magna Lif MALH Parts Cleaners



Modular by Design—The modular **Magna Lif MALH** 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, medium, and long strokes adjustable between 2" - 26".

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

Virtually Trouble Free—The outboard-mounted, cantilevered agitation platform eliminates the need for internal guide members and rollers. This allows for better and easier maintenance, cleaner components and longer life.

Load Capacity—Generous 1000 lb. load capacity.

Available in Four Platform Sizes

Stand
Alone Unit




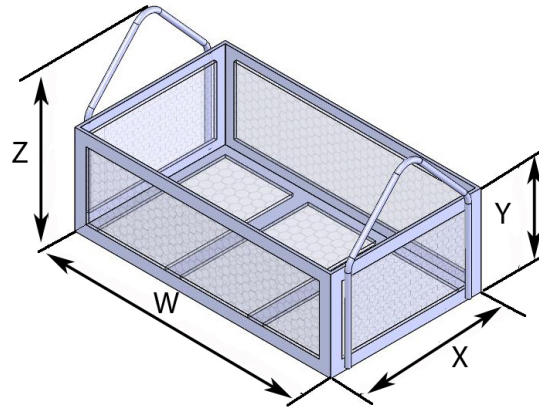
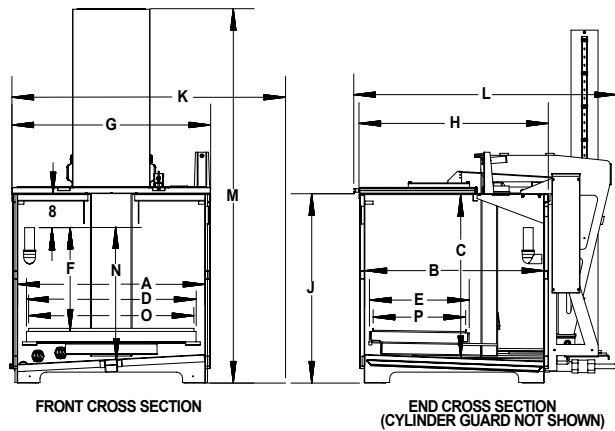
#5.5 MALH with filtration, spray
back splash and manual transfer

STANDARD FEATURES:

- Aggressive vertical platform agitation
- Hot or cold cleaning up to 1000 lbs. of parts
- Manual, hinged stainless steel tank cover with condensation return flange
- Grate platform
- 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" - 26"
- Suitable for cellular manufacturing layouts
- Insulated carbon steel tank construction
- Painted carbon steel insulation panels and cylinder guard
- Stroke length selector for short, medium, and long stroke
- Easy opening counter balanced tank cover

AVAILABLE OPTIONS:

- Turbulation
- Automatic tank cover
- 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
- Multi-stage configuration with common utility drop
- Basket or custom load fixtures
- Electric (heater protection is standard), gas, 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 



MACHINE DIMENSIONS					
MACHINE NUMBER:		#3	#4	#5	#5.5
INSIDE TANK:					
Length	A	45.00"	57.00"	69.00"	87.00"
Width	B	43.00"	48.00"	53.00"	53.00"
Depth (nominal)	C	40.50"	40.50"	40.50"	40.50"
DIPPING SPACE:					
Length	D	41.00"	53.00"	65.00"	83.00"
Width (See Note 1)	E	24.00"	29.00"	34.00"	34.00"
Depth (See Note 1)	F	26.00"	26.00"	26.00"	26.00"
OVERALL TANK (approx.):					
Length	G	48.00"	60.00"	72.00"	90.00"
Width	H	45.50"	50.50"	55.50"	55.50"
Height	J	45.50"	45.50"	45.50"	45.50"
OVERALL MACHINE (approx.):					
Length (gas heat)	K	66.00"	78.00"	90.00"	108.00"
Length (all others)	K	54.00"	66.00"	78.00"	96.00"
Width	L	65.00"	70.00"	75.00"	75.00"
Height	M	90.00"	90.00"	90.00"	90.00"
ROLLER PLATFORM:					
Total Length	O	40.00"	52.00"	64.00"	82.00"
Roller Width	P	22.00"	27.00"	32.00"	32.00"
SOLUTION LEVEL:					
Height (nominal)	N	32.50"	32.50"	32.50"	32.50"

SERVICE CONNECTIONS					
ALL MACHINES (heated or unheated):					
Air Supply (maximum PSI) (See Note 2)		125	125	125	125
Air Inlet (NPT)		0.50"	0.50"	0.50"	0.50"
Water Inlet (NPT)		1.00"	1.00"	1.25"	1.25"
Drain Valve (NPT)		2.00"	2.00"	2.00"	2.00"
Overflow (NPT)		2.00"	2.00"	2.00"	2.00"
Vapor Exhaust (diameter)		4.00"	4.00"	6.625"	6.625"
ELECTRICAL SUPPLY: (See Note 3)					
240V/3/60Hz		61A	61A	90A	119A
480V/3/60Hz		32A	32A	47A	61A
GAS HEATED MACHINES:					
Supply Inlet (NPT)		1.00"	1.00"	1.00"	1.00"
Fume Exhaust (diameter)		4.00"	4.00"	4.00"	4.00"
STEAM HEATED MACHINES:					
Inlet/Outlet (NPT)		1.00"	1.00"	1.00"	1.00"

BASKET DIMENSIONS (inside)					
MACHINE NUMBER:		#3	#4	#5	#5.5
Length	W	33.25"	45.00"	55.25"	74.25"
Width	X	19.25"	23.00"	28.50"	28.50"
Depth	Y	12.00"	14.00"	16.00"	16.00"
Overall Height	Z	20.00"	20.00"	20.00"	20.00"

GENERAL DATA					
Load Capacity @ 100 PSI (lbs.)		1000	1000	1000	1000
Liquid Capacity (gal.)		272	385	514	648
Tank Wall Thickness (ga.)		#10	#10	#10	#10
Shipping Weight (approx. lbs.)		1800	2040	2600	3000

HEATING DATA (See Note 4)					
HOURLY FUEL CONSUMPTION FROM COLD START:					
Electric (kW) (See Note 3)		24	24	36	48
Natural Gas (cu. ft./hr.)		115	235	257	257
Steam (approx.) (lbs./hr.)		85	110	175	220
HEAT TIME FROM COLD START:					
Electric (hrs.)		4.50	4.50	4.50	4.50
Gas or Steam (hrs.)		3.50	3.50	3.50	3.50

AGITATION DATA					
Agitation Cycle (See Note 5)			Short	Medium	Long
Strokes (per min.) (See Note 6)			100-140	50-60	20-24
Stroke Length			5-7"	11-13"	In-Out

NOTES					
1. With roller platform, Dipping Depth (F) is reduced by 1.50" and Width (E) is reduced by 2.00".					
2. Lighter loads can operate at reduced air pressure.					
3. All electric heaters used are stainless steel sheathed elements. Other voltages and phases on request. Stainless steel heating coils for gas and steam heated models are optional.					
4. Fuel consumption and heat up times listed are based on heating from room temperature to 180°F.					
5. The data shown is typical and may vary with air pressure, load weight, shape, and stroke length. Air consumption 20-28 CFM (free air) with normal load on short stroke for Magna Lif MALH models.					
6. A stroke equals travel in one direction.					