

## RECOGNIZED AS THE INDUSTRY STANDARD

The Magnus **MAGNA LIF** is an immersion washing and processing system that mechanically agitates parts in a chemical solution.

**Provides Dual Agitation** - parts and the cleaning solution are both agitated to assure thorough cleaning.

**Finger tip control** - allows for a single control that raises and lowers the platform for easy loading and unloading.

**Dial-A-Stroke™ Control** - unique control panel changes the length of the stroke from short, medium or long at the flip of a switch, allowing complete cleaning of parts with complicated internal passages.

**Virtually trouble free** - engineered with an outboard guide roller. The cantilever design greatly reduces maintenance and provides for easy lubrication. Protects from possible attack of cleaning chemicals, dirt and other materials.

**Cost Savings** - eliminates hand scrubbing and minimizes production rejects through superior cleaning capabilities.


## MAGNA LIF®



### MAGNA LIF Additional Features:

- Aqueous or solvent cleaning
- Air-powered *not* air-agitated
- 1,000 pounds load capacity
- Available in carbon steel, 304 stainless or 316 stainless steel
- Agitating platform is cantilever supported from outside the tank. The platform moves rapidly up and down through the cleaning solution eliminating the need for guide members and rollers immersed in process solutions.
- Platform design for easy loading, unloading or inspection regardless of load size or weight
- Heating alternatives include gas, steam or electricity

### MAGNA LIF Available Options:

- Cartridge or bag filtration
- Slope bottom for easier washer clean out
- Liquid sweep for chip removal
- Available with ultrasonic transducers provided by Power Sonics , a division of **MPP**
- Roller platforms (in place of grates)
- Roller platform sections with drainboards to connect additional machines
- Load and unload conveyor sections of roller platforms with drainboards and legs
- Automatic timing device
- Heater guardians for electric heated machines

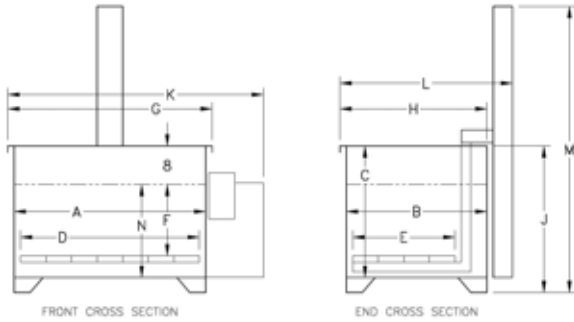
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# MAGNA LIF<sup>®</sup> Specifications and Data



## MACHINE DIMENSIONS

Machine Number: #3 MALH #4MALH #5 MALH #51/2 MALH

### INSIDE TANK:

Length	A	45"	57"	69"	87"
Width	B	43"	48"	53"	53"
Depth	C	39"	39"	39"	39"

### DIPPING SPACE:

Length	D	41"	53"	65"	83"
Width	E	24"	29"	34"	34"
Depth	F	26"	26"	26"	26"

### OVERALL TANK (approx.):

Length	G	48"	60"	73"	92"
Width	H	45"	50"	55"	55"
Height	J	43"	43"	43"	43"

### OVERALL MACHINE (approx.):

Length (gas heat)	K	59"	71"	83"	101"
Length (all others)	K	53"	65"	77"	95"
Width	L	65"	70"	75"	75"
Height	M	87"	87"	87"	87"

### ROLLER PLATFORM\*:

Total Length	D	40"	52"	64"	82"
Roller Width	E	22"	27"	32"	32"

### SOLUTION LEVEL:

Height (above tank bottom)	N	31"	31"	31"	31"
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## SERVICE CONNECTIONS

### ALL MACHINES (heated/unheated):

Air Inlet	1/2"	1/2"	1/2"	1/2"
Water Inlet	1"	1"	1-1/4"	1-1/4"
Drain Cock	2"	2"	2"	2"
Overflow Outlet	2"	2"	2"	2"
Vapor Relief (diameter)	4"	4"	6-5/8"	6-5/8"

### GAS HEATED MACHINES:

Supply Inlet	3/4"	3/4"	3/4"	3/4"
Fume Exhaust	4-1/2"	5-9/16"	6-5/8"	6-5/8"

### STEAM HEATED MACHINES:

Supply Inlet	3/4"	3/4"	3/4"	3/4"
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### ELECTRIC HEATED MACHINES:

See Note #3	18 kw.	24 kw.	36 kw.	48 kw.
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### ELECTRICAL SUPPLY:

240 V. / 30 / 60 Hz.	44 A.	58 A.	88 A.	116 A.
480 V. / 30 / 60 Hz.	22 A.	29 A.	44 A.	58 A.

## MACHINE DIMENSIONS

Machine Number: #3 MALH #4MALH #5 MALH #51/2 MALH

### BASKET INSIDE:

Length	A	33-1/4"	45"	55-1/4"	74-1/4"
Width	B	19-1/4"	23"	28-1/2"	28-1/2"
Depth	C	12"	14"	16"	16"
Overall Height	D	20"	20"	20"	20"

## GENERAL DATA

Load Capacity (lbs.)	1000	1000	1000	1000
Liquid Capacity (gal.)	260	370	490	620
Tank Thickness (gauge)	#10	#10	#10	#10
Shipping Wt. (approx#)	1800	2040	2600	3000

## HEATING DATA

### Hourly Fuel Consumption From Cold Start (see note #1):

Gas	115 cu. ft.	235 cu. ft.	257 cu. ft.	257 cu. ft.
Steam (approx.)	85 lbs./hr.	110 lbs./hr.	175 lbs./hr.	220 lbs./hr.
Electric	18 kw.	24 kw.	36 kw.	48 kw.

### Average Heat Time From Cold Start:

Electric	4-1/2 hr.	4-1/2 hr.	4-1/2 hr.	4-1/2 hr.
Gas and Steam	3-1/2 hr.	3-1/2 hr.	3-1/2 hr.	3-1/2 hr.

## MAGNA LIF AGITATION DATA

Agitation Cycle (see Note #2)	Short	Medium	Long
Up & Down Strokes (per min.)	100-400	50-60	20-24
Stroke Length	5-7"	11-13"	In & Out

## NOTES

- Fuel consumption and heat up times listed are based on heating from room temperature to 180° F. (Gas figures apply to natural gas).
  - The data shown is typical and may vary with air pressure, load and part configuration. Air consumption 20 - 28 CFM (free air) with normal load on short stroke for MALH Models.
  - All electric heaters used are stainless steel sheathed elements. Stainless steel heating coils for gas and steam heated models are optional.
- \* With roller platform, depth F is reduced 1-1/2" and width E is reduced by 2".



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