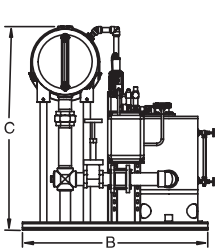
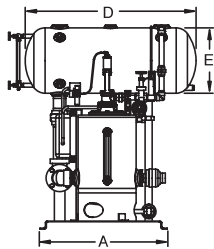


# Packaged Systems

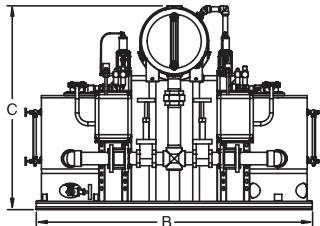
The Kadant Johnson packaged Liqui-Mover pump is a non-electric packaged pump that can handle fluid temperatures up to 365°F. There are no rotating seals or packing to leak. Cavitation is impossible. Steam, plant compressed air, or other inert gases are used to operate the pump.



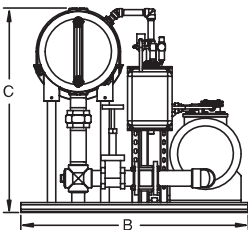
*LMV-1600  
simplex pump*



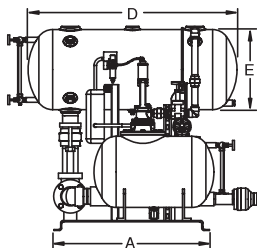
*LMV-1600  
simplex and  
duplex pump*



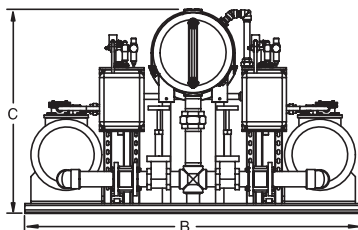
*LMV-1600  
duplex pump*



*LMHT-1600  
simplex pump*



*LMHT-1600  
simplex and  
duplex pump*



*LMHT-1600  
duplex pump*



## Features



- Skid-mounted
- No rotating parts
- Single trade installation
- Custom engineered

## Benefits



- Quick installation
- Wear and corrosion resistant
- Greater reliability
- Reduced operating costs
- Operating flexibility

Model	A	B	C	D	E	Receiver Capacity (gal.)
LMV-16XX-LRSP-1	35"	51"	62"	47"	18"	47
LMV-16XX-LRSP-2	35"	76"	62"	47"	18"	47
LMHT-16XX-LRSP-1	35"	51"	52"	47"	18"	47
LMHT-16XX-LRSP-2	35"	76"	52"	47"	18"	47

Note:

1. Dimension C based on 12" fill head.
2. Other multiple pump configurations available.

Note: Engineering drawings are available on request.

## LRSP Sizing Chart

Fill Head	Back Pressure (psig)	LMV-1610	LMHT-1610	LMV-1615	LMHT-1615	LMV-1620	LMHT-1620	LMV-1632	LMHT-1632
		pph	pph	pph	pph	pph	pph	pph	pph
12"	10	3,400	3,640	7,640	8,580	11,390	12,920	15,050	15,850
	20	3,370	3,610	7,510	8,470	11,120	12,620	14,520	15,340
	30	3,320	3,500	7,270	8,260	10,640	12,140	13,760	14,640
	40	3,220	3,420	6,800	7,840	9,720	11,290	12,320	13,500
	50	3,040	3,280	6,040	7,130	8,280	9,950	10,260	11,740
	60	2,760	3,040	5,020	6,140	6,540	8,210	7,820	9,400
	70	2,410	2,720	3,950	5,020	4,870	6,340	5,590	7,060
	80	2,020	2,410	3,000	3,920	3,500	4,700	3,900	5,100
	90	1,640	2,020	2,230	2,980	2,500	3,420	2,700	3,620
	100	1,290	1,640	1,660	2,230	1,790	2,480	1,900	2,590
Check valve size – inlet		1"	1"	1.5"	1.5"	2"	3"	3"	3"
Check valve size – outlet		1"	1"	1.5"	1.5"	2"	3"	2"	2"
Gallons pumped per cycle		7.5	12.0	7.5	12.0	7.5	12.0	7.5	12.0

Note: Above based on steam as the motive pressure.

For multiple pumps, multiply above capacity by number of pumps to be used.

For Gallons per Minute, divide above capacities by 500.

Fill head is the distance between top of the pump tank to the bottom of the receiver/reservoir.

Above based on motive pressure being 20 psig higher than total static back pressure.

Total static back pressure equals vertical lift plus return line pressure.

## Capacity Conversion Factors for Other Fill Heads

Fill Head	LMV-1610	LMHT-1610	LMV-1615	LMHT-1615	LMV-1620	LMHT-1620	LMV-1632	LMHT-1632
6"	0.91	0.91	0.93	0.92	0.95	0.94	0.93	0.93
12"	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
18"	1.07	1.07	1.06	1.06	1.04	1.04	1.03	1.04
24"	1.14	1.14	1.10	1.10	1.07	1.07	1.05	1.07
36"	1.14	1.14	1.13	1.10	1.09	1.10	1.09	1.10

## Material of Construction

Part Description	LMV-1600 Material	LMHT-1600 Material
Receiver Tank	ASME code stamped 150 psig Shell and heads – carbon steel SA-414 G	ASME code stamped 150 psig Shell and heads – carbon steel SA-414 G
Pump Tank	ASME code stamped 150 psig Shell and bottom head – carbon steel SA-414G Flat head top – carbon steel SA-516-70	ASME code stamped 150 psig Shell and heads – carbon steel SA-414 G Flange ring – carbon steel SA-106 C
Float Free Level Control	Mounting flange – ductile iron SA-395	Mounting flange – ductile iron SA-395
Piping	Carbon steel A53 – schedule 40	Carbon steel A53 – schedule 40
Fittings	Malleable iron 150# threaded	Malleable iron 150# threaded
Isolation Valves	Bronze B62	Bronze B62
Skid	Carbon steel AISI 1015	Carbon steel AISI 1015
3-Way Valves	Body – ductile iron Valves and seats – stainless steel	Body – ductile iron Valves and seats – stainless steel
Check Valves	Stainless steel, spring-assisted non-slam	Stainless steel, spring-assisted non-slam
Gauge Glass	Bronze valves with redline glass and brass guard rods	Bronze valves with redline glass and brass guard rods