

LIQUID-SPECIFIC PRODUCT LINE



ABOUT LIQUID-SPECIFIC PRODUCT LINE

Through 100+ years of pumping experience, our engineers have developed uniquely designed products with a specific application in mind. These products focus on solving targeted challenges that exist within that liquid application.

From speed to viscosity, sealing or shear, these products provide additional security that the product is right for the applications they are built for.

PRODUCTS INCLUDE:

- 26** ABRASIVE LIQUID PUMPS
- 27** ASPHALT PUMPS
- 28** THIN LIQUID VANE PUMPS
- 28** REFRIGERATION AMMONIA PUMPS
- 29** FUEL OIL PUMPS
- 29** SENSITIVE SOLIDS IDLER

ABRASIVE LIQUID

FEATURES & BENEFITS

- Extended service life provided by:
 - Tungsten carbide components in critical wear areas of pump
 - Other hardened component options available
 - Silicon carbide mechanical seal faces
 - Positive seal flush to keep fresh supply of liquid at seal faces
 - Behind the rotor seal placement eliminates abrasive wear on shaft bushing
 - Pin drive mechanical seal increases viscosity range
- For abrasive liquids such as paints, inks and waste oil

SERIES

4624B



MODELS	SPECIFICATIONS				
	Non-Jacketed	Performance			Standard Ports
Behind the Rotor Seal	Max Speed, RPM	GPM	m ³ /h	Size, Inches	Type
F4624B	870	0.75	0.2	0.5	NPT
FH4624B	870	1.5	0.3	0.5	NPT
H4624B	640	5	1.1	1.5	NPT
HL4624B	640	10	2.3	1.5	NPT
K4624B	280	25	5.7	2	NPT
KK4624B	280	35	8	2	NPT
L4624B	230	50	11	2	NPT
LQ4624B	230	50	11	2.5	Flange
LL4624B	230	65	15	3	Flange
LS4624B	230	72	16	3	Flange
Q4624B	190	110	25	3	Flange
QS4624B	190	182	41	6	Flange

Integral pressure relief valve is standard.

Abrasion resistant components also available in other series and sizes.

Refer to Appendix B on page 33 for more information on seals and porting.

ASPHALT

FEATURES & BENEFITS: JACKETED

- Jacketing suitable for hot oil or steam for enhanced application flexibility
- Belt drive or reducer drive options available
- 34 series is an economical option for clean asphalt at low to moderate pressure

SERIES

34, 224A, 4224A, 324A, 4324A



MODELS		SPECIFICATIONS				
Jacketed		Performance			Standard Ports	
Packing	Mechanical Seal	Max Speed, RPM	GPM	m ³ /h	Size, Inches	Type
LQ34	—	420	90	20	2.5	Flange
Q34	—	350	200	45	3	Flange
M34	—	280	280	64	4	Flange
N34	—	280	450	102	5	Flange
H224A	H4224A	1750	15	3.4	1.5	NPT
HL224A*	HL4224A*	1750	30	6.8	1.5	NPT
K224A*	K4224A*	780	75	17	2	NPT
KK224A*	KK4224A*	780	100	23	2	NPT
L224A*	L4224A*	640	135	31	2	NPT
LQ224A*	LQ4224A*	640	135	31	2.5	Flange
LL224A	LL4224A	520	140	32	3	Flange
LS224A*	LS4224A*	640	200	45	3	Flange
Q224A	Q4224A	520	300	68	4	Flange
QS224A	QS4224A	520	500	114	6	Flange
M224A	M4224A	420	420	95	4	Flange
N324A*	N4324A*	350	600	136	6	Flange
R324A	R4324A	280	1,100	250	8	Flange
RS324A	RS4324A	280	1,600	363	10	Flange

Refer to Appendix B on page 33 for more information on seals and porting.

FEATURES & BENEFITS: ELECTRICALLY HEATED

- Lower installation costs in remote locations when steam or hot oil is not available or long piping runs are required
- Reduced environmental costs by eliminating hot oil leaks
- Reduced energy costs with heat source in pump vs. external heat tracing
- Simplified service by eliminating hot oil or steam pipe connections
- Optional closed loop PID control system maintains tight control

SERIES

32E, 124E, 324E



MODELS		SPECIFICATIONS					
Non-Jacketed		Performance				Standard Ports	
Packing		Max Speed, RPM	GPM	m ³ /h	Total Watts	Size, Inches	Type
LQ32E		420	90	20	1,200	2.5	Flange
Q32E		350	200	45	1,500	3	Flange
M32E		280	280	64	2,250	4	Flange
N32E		280	450	102	2,500	5	Flange
H124E		1750	15	3.4	275	1.5	NPT
HL124E		2900	50	11	275	1.5	NPT
K124E		950	90	20	690	2	NPT
KK124E		950	120	27	690	2	NPT
L124E		950	210	48	1,200	2	NPT
LQ124E		950	210	48	1,200	2.5	Flange
LL124E		520	140	32	1,200	3	Flange
LS124E		720	230	52	1,200	3	Flange
Q124E		520	300	68	2,200	4	Flange
QS124E		520	500	114	2,200	6	Flange
N324E		420	685	156	2,500	6	Flange

Refer to Appendix B on page 33 for more information on seals and porting.

LIQUID-SPECIFIC PRODUCT LINE

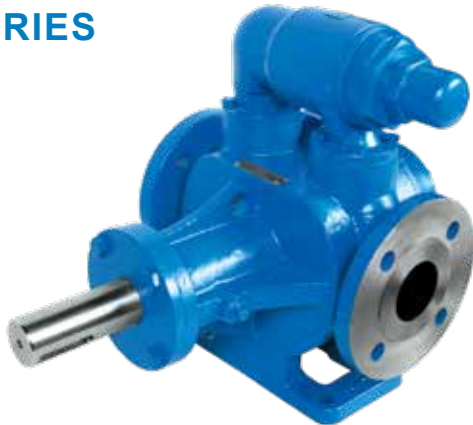
THIN LIQUID

FEATURES & BENEFITS

- Vane pump design offers ANSI or DIN flanges, and IEC or NEMA motor mounts to conform to international standards for enhanced application flexibility
- High pressure and high efficiency with thin liquids
- 20 minute inline vane replacement reduces scheduled downtime
- Harder components than other vane pumps extend pump life
 - 60 Rockwell C surface-hardened one-piece, 316 stainless steel casing
 - Silicon carbide sleeve bearings
 - Chrome oxide shaft coating

SERIES

LVP



MODELS	SPECIFICATIONS				
	Performance			Standard Ports	
Mechanical Seal	Max Speed, RPM	GPM	m ³ /h	Size, Inches	Type
LVP40017	1750	20	4.5	1.5	Flange
LVP41017	1750	20	4.5	1.5	Flange
LVP40027	1750	40	9	1.5	Flange
LVP41027	1750	40	9	1.5	Flange
LVP41057	1150	80	18	2	Flange
LVP41087	950	100	23	2	Flange
LVP41197	520	125	28	3	Flange
LVP41237	520	160	36	3	Flange

Integral pressure relief valve is standard.

Refer to Appendix B on page 33 for more information on seals and porting.

REFRIGERATION AMMONIA

FEATURES & BENEFITS

- Double mechanical seal with pressurized seal chamber and oil reservoir pressurized by ammonia, no external flush system required
- Adjustable return-to-tank pressure relief valve
- Pressure-lubricated idler bushing maximizes bushing life
- Designed for liquid overfeed ammonia refrigeration systems
- New bearing housing design simplifies end clearance adjustment and maintenance

SERIES

4924A



MODELS	SPECIFICATIONS				
	Performance			Standard Ports	
Mechanical Seal	Max Speed, RPM	GPM	m ³ /h	Size, Inches	Type
HL4924A	780	10	2.3	1.5	NPT
K4924A	280	20	4.5	2	NPT
KK4924A	280	30	6.8	2	NPT
LQ4924A	280	45	10	2.5	Flange
LL4924A	280	60	14	3	Flange

Return-to-tank relief valve standard.

Refer to Appendix B on page 33 for more information on seals and porting.

FUEL OIL

FEATURES & BENEFITS

- UL343 listed for the handling of various fuel oils
- Intended for use in the assembly of power-operated, oil-burning appliances in accordance with ANSI/NFPA 31
- Products achieved UL certification through testing at the UL laboratory
- Capacities range from 0.5 to 20 GPM, with lip seal or mechanical seal options

SERIES

456-X, 432-X, SG-05__-X

FH456-X



HL432-X



SG-0514-X



SENSITIVE SOLIDS

FEATURES & BENEFITS

- Unique option for gently handling sensitive solids
- Ribs reduce gear flank contact by 80%
- Alternating rib location minimizes wear on rotor teeth
- Allows small solids to pass between gear teeth
- Patent pending

TYPICAL APPLICATIONS

- Soft crystals in sugar massecuite and magma
- Microencapsulation with microspheres or cenospheres

MARKETS

- Personal Care Products
- 2-Component Adhesives & Sealants
- Polyurethane Foams
- Agricultural Chemicals
- Pharma & Biotech
- Foods & Feeds

