



Hygienic

Premiumlobe Rotary Lobe Pumps

Customizable Platform for Demanding
Hygienic Applications



Purity.
Performance.
Purpose.





About ipp

Through advanced engineering capabilities, ipp offers the most configurable, reliable rotary lobe pumps available.

Founded in 2004, ipp has spent over 20 years optimizing our technology for specific customer applications. Our customer-first mindset guides everything we do, and our technical expertise enables us to design reliable pumps around your processes. Our solutions are precision-engineered to ensure product quality, process efficiency and a low total cost of ownership, making them ideal for hygienic and sterile applications.



Customer-First Engineering



We immerse ourselves in our customers' applications to become experts, providing technical expertise and support from design to production and beyond. Each design element is purposeful to ensure we deliver pumps that are reliable, efficient and easy to work with.

Advanced German Manufacturing



Our pumps are engineered for perfection. With manufacturing operations headquartered in Germany, our high-quality solutions are designed to last longer, even in demanding applications.

World-Class Customer Support



Customers love working with our responsive, experienced customer service team because they are easy to reach, deeply knowledgeable and committed to solving your most pressing challenges.



Our Technology: The ipp Difference

All ipp rotary lobe pumps are precision-engineered with intentional design features that enable long-term quality and efficiency.

- Contactless pumping action in all operating conditions
- Protects product integrity by preventing contamination from abraded material
- Maximizes working life with robust designs engineered for long-term performance in demanding processes
- Meets strict hygienic standards with 1.4404 or 1.4435 stainless steel and seals that conform to FDA standards
- Delivers continuous performance via meticulously designed modular shaft seals and gearbox
- Customizable for complex, application-specific requirements with a wide range of configuration options
- Offers clean-in-place (CIP) and sterilize-in-place (SIP) capabilities



Markets We Serve

Premiumlobe pumps are ideal for a range of hygienic applications.



PERSONAL CARE

Creams, shampoos, soaps, lotions, cosmetics, toothpaste, perfumes, hair dyes and more



PHARMACEUTICAL

Pill coatings, cough syrups, medical ointments and more



FOOD

Dairy, bakery products, condiments, sauces and more



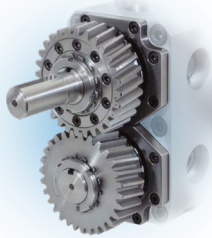
Premiumlobe™ Modular Rotary Lobe Pump Platform

Precision-engineered ipp Premiumlobe Pumps are fully customizable to your specific application and process needs, with a wide range of rotor configurations, seals and other options to reliably deliver high performance across a wide range of flow rates.



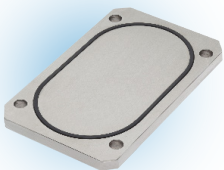
Contactless Running in All Operating Conditions

The meticulously crafted gearbox and arrangement of bearings and shaft guides deliver precise positioning, preserving rotor concentricity and ensuring contactless operation even under extreme loads.



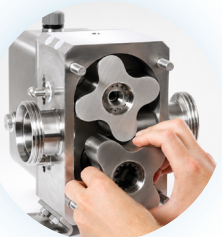
Extremely Robust Design

Equipped with thicker, shorter shafts compared to other lobe pumps, the Premiumlobe has a high tolerance for temperature and load changes, eliminating shaft deflection.



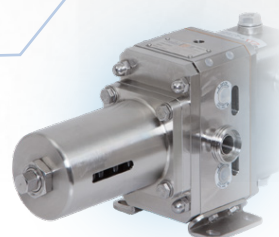
CIP & SIP Capability

Designed to EHEDG Certification standards, Premiumlobe offers clean-in-place (CIP) and sterilize-in-place (SIP) capabilities with full drainability.



Easily Accessible Seals

Premiumlobe pumps are engineered to minimize downtime and simplify maintenance with a front-pull-out system and easily accessible mechanical seals for easy in-line maintenance.



Fully Modular System

Completely configurable for your specific application with a range of rotor configurations, seals, pressure relief valves, and other options.



Intentional Design Features for a Difference You Can See



Hygienic Materials, Surfaces & Lubricants

All contact surfaces are comprised of 1.4404, 1.4435, 1.4539 or 1.4462 stainless steel and Hastelloy with an inside surface finish Ra of 0.8 μm (32 μin) and outside surface finish Ra of 1.2 μm (47 μin). A contact surface finish of up to Ra ≤ 0.4 μm (15.7 μin) is available upon request, with or without electropolishing. Cold welding processes are used to preserve material properties and minimize thermal deformation. Lubricants conform to NSF-H1 standards.

Connection Options

Premiumlobe pumps can be equipped with any standard connector, including DIN 11851, Triclamp DIN 32676 and connectors in compliance with DIN 11864 and DIN EN 1092-1. Other customizable connections are also available and diameters can be DIN or inch-based.

Seal Options

Available materials include Tungsten Carbide or Silicon Carbide.



**SINGLE
MECHANICAL SEAL**



**DOUBLE
MECHANICAL SEAL**



**LIP
SEAL**

Rotor Options



QUATTROLOBE

Standard for
Premiumlobe



BILOBE

Best for Pumping Solids
without Damage



BI-WING

Traditional Rotor
Design



HELICAL TWISTED

Best for High-pressure
Applications



MULTI-LOBE (GEAR)

Best for Dosing
Applications



Additional Configuration Options

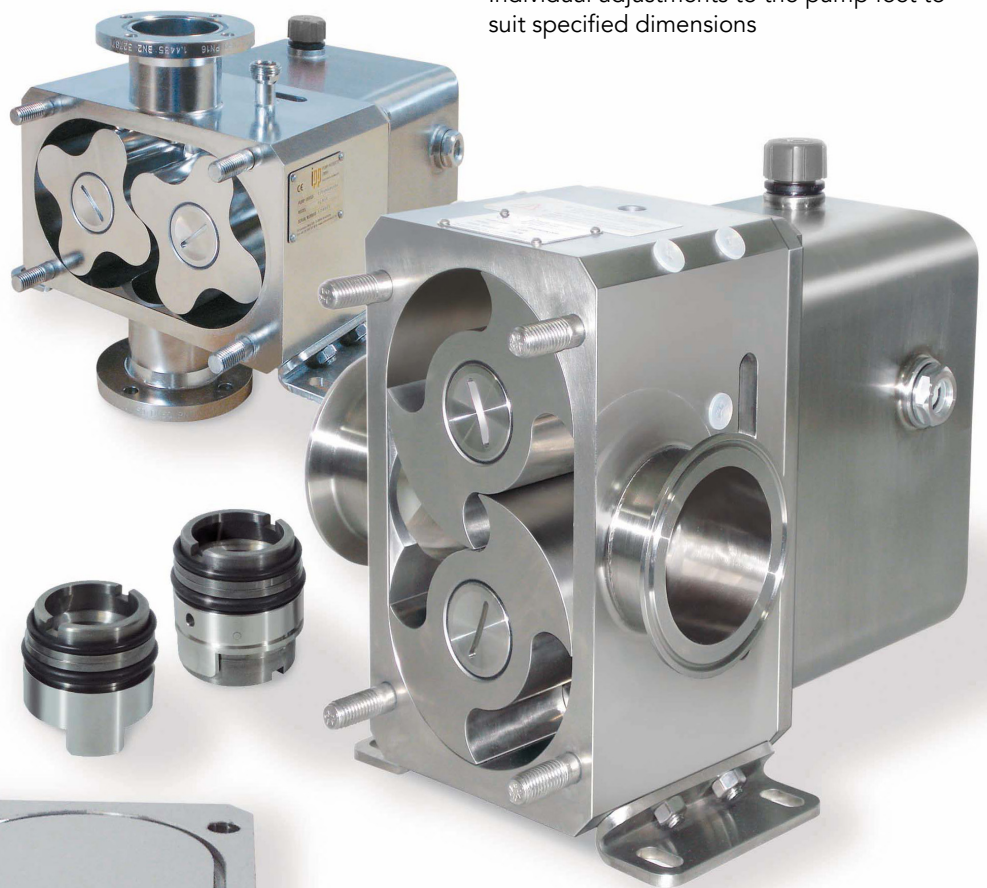
- Multiple connections and port positions
- Heating and cooling channels and pockets
- Hygienic spring-loaded or compressed air pressure relief valves
- Heated pressure relief valves
- Profiled static seals for thorough cleaning without leaving any residue
- Front-cover drainage connectors for full drainability when installed horizontally
- Individual adjustments to the pump feet to suit specified dimensions

Comprehensive In-House Services

Our technical experts provide ongoing support. With our advanced engineering capabilities, we aim to repair while other suppliers aim to replace.

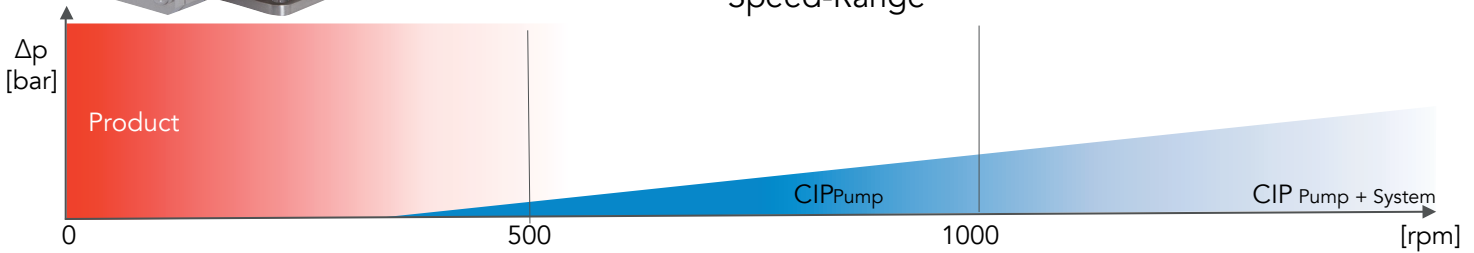
SERVICES INCLUDE:

- Damage analysis and repair
- Binding estimate of costs
- Fast turnaround time
- Heated pressure relief valves
- 1-year guarantee after repair to new state
- Use of genuine OEM replacement parts
- Collection and delivery service
- Pump rental or loan for the time of repair upon request



Premiumlobe Technical Data and Specifications

Speed-Range



MODEL	INLET & DISCHARGE SIZE		CONNECTION TYPE	DISPLACEMENT PER REVOLUTION		MAX SPEED	MAX FLOW		MAX PRESSURE		MAX CIP TEMP		MAX TEMP		QCIP		APPROXIMATE WEIGHT	
	mm	inch		l/rev.	gal/rev.	rpm	lpm	gpm	Bar	PSI	°C	°F	°C	°F	m3/h	gpm	kg.	lb.
L55sxx	13	0.5	DN15	0.010	0.003	1400	14.00	3.70	15	218	90	194	130	266	n/a	n/a	10.5	23
L55sx	13	0.5	DN15	0.030	0.008	1400	42.00	11.10	15	218	90	194	130	266	1.4	6.2	10	22
L55s	13	0.5	DN15	0.039	0.010	1400	54.60	14.42	15	218	90	194	130	266	2.1	9.2	10.5	23
L55i	25	1.0	DN25	0.056	0.015	1400	78.40	20.71	15	218	90	194	130	266	3.1	13.6	11	24
L55li	38	1.5	DN40	0.076	0.020	1400	106.40	28.11	15	218	90	194	130	266	4.4	19.4	11.5	25
L55l	38	1.5	DN40	0.094	0.025	1400	131.60	34.77	9	131	90	194	130	266	5.9	26.0	12	26
L63i	38	1.5	DN40	0.120	0.032	1400	168.00	44.38	15	218	90	194	130	266	7	30.8	17	37
L63l	51	2.0	DN50	0.180	0.047	1400	252.00	66.57	15	218	90	194	130	266	10.5	46.2	19	42
L85sxx	13	0.5	DN15	0.100	0.026	1100	110.00	29.06	80	1,160	90	194	130	266	3.8	16.7	38	84
L85sx	32	1.25	DN32	0.169	0.045	1100	185.90	49.11	30	435	90	194	130	266	7.5	33.0	33	73
L85s	38	1.5	DN40	0.210	0.055	1100	231.00	61.02	20	290	90	194	130	266	10.5	46.2	35	77
L85i	51	2.0	DN50	0.280	0.074	1100	308.00	81.37	15	218	90	194	130	266	14.4	63.4	38	84
L85l	64	2.5	DN65	0.350	0.092	1100	385.00	101.71	15	218	90	194	130	266	18	79.3	40	88
L 115sxx	25	1.0	DN25	0.300	0.079	950	285.00	75.29	80	1,160	90	194	130	266	11.3	49.8	100	220
L 115sx	38	1.5	DN40	0.400	0.106	950	380.00	100.39	30	435	90	194	130	266	15.8	69.6	90	198
L 115s	51	2.0	DN50	0.550	0.145	950	522.50	138.03	20	290	90	194	130	266	24.3	107.0	95	209
L 115si	64	2.5	DN65	0.750	0.198	950	712.50	188.22	20	290	90	194	130	266	31.5	138.7	98	216
L 115i	76	3.0	DN80	0.950	0.251	950	902.50	238.42	15	218	90	194	130	266	43	189.3	101	223
L 115l	102	4.0	DN100	1.230	0.325	950	1168.50	308.69	15	218	90	194	130	266	56.7	249.6	110	243
L130sx	64	2.5	DN65	1.230	0.325	850	1045.50	276.19	40	580	90	194	130	266	24.7	108.8	170	375
L130s	76	3.0	DN80	1.600	0.422	850	1360.00	359.27	22	319	90	194	130	266	37.1	163.3	181	399
L 130i	102	4.0	DN100	1.970	0.520	850	1674.50	442.36	15	218	90	194	130	266	56.5	248.8	192	423
L 130l	102	4.0	DN100	2.340	0.612	850	1989.00	525.44	9	131	90	194	130	266	56.5	248.8	202	445
L160sxx	32	1.25	DN32	1.030	0.272	800	824.00	217.68	80	1,160	90	194	130	266	40	176.1	245	540
L160sx	51	2.0	DN50	1.290	0.340	800	1032.00	272.63	50	725	90	194	130	266	50.8	223.7	255	562
L160s	76	3.0	DN80	1.600	0.422	800	1280.00	338.14	30	435	90	194	130	266	65.2	287.1	245	540
L 160i	102	4.0	DN100	2.400	0.633	800	1920.00	507.21	20	290	90	194	130	266	108	475.5	270	595
L 160l	152	6.0	DN150	3.410	0.900	800	2728.00	720.66	15	218	90	194	130	266	148.4	653.4	320	705



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Performance.
Purpose.

HYG-110001-C-01-EN

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