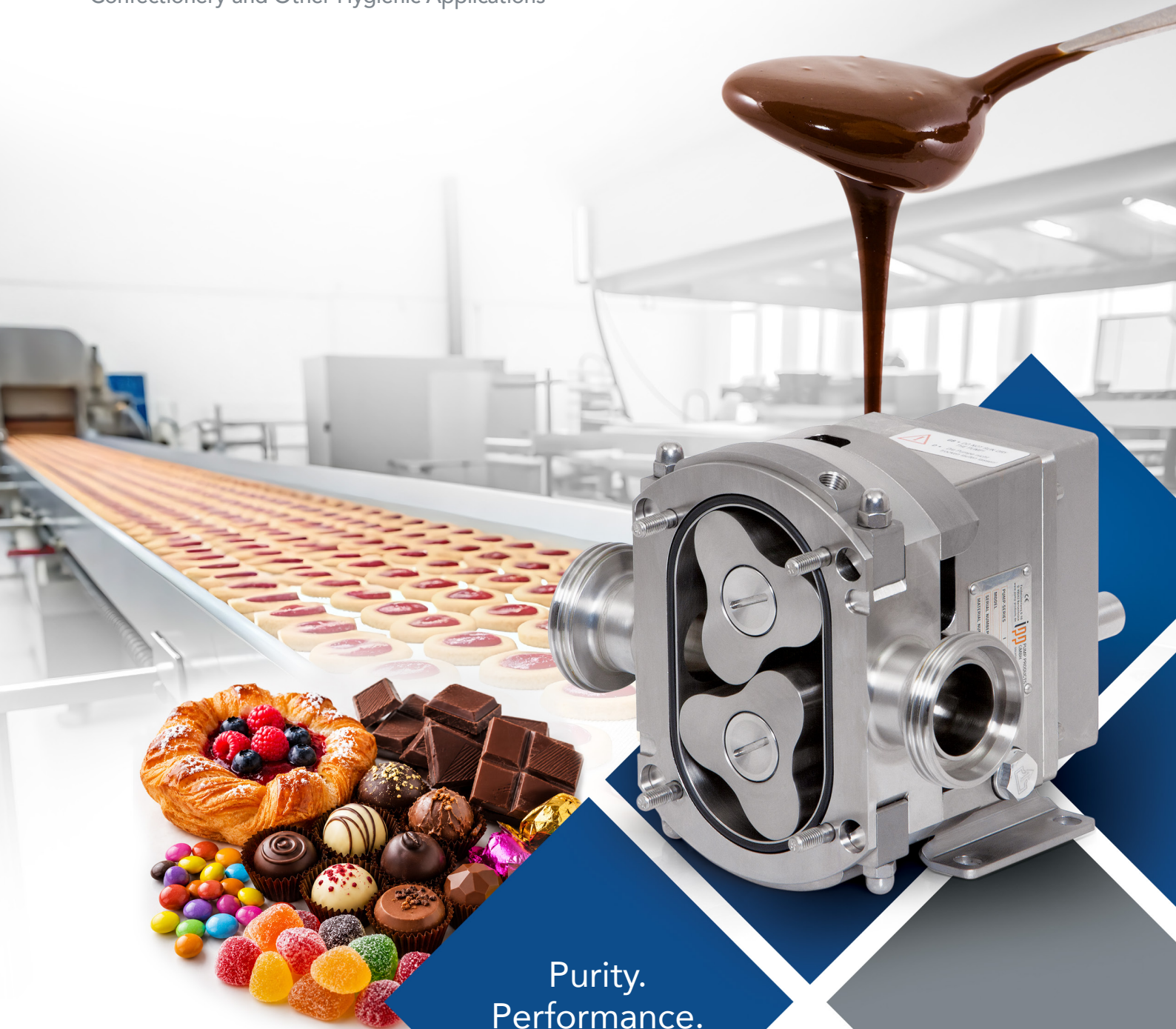




Hygienic

iLobe Rotary Lobe Pumps

Precision-Engineered for Molten Chocolate,
Confectionery and Other Hygienic Applications



Purity.
Performance.
Purpose.





Who Is 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

iLobe pumps are ideal for a range of hygienic applications.



PRALINES



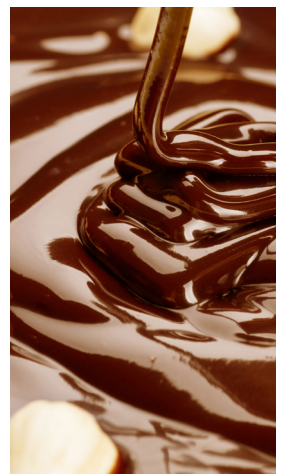
PASTRY



BAKERY PRODUCTS



CONFECTIONERY



MOLTEN CHOCOLATE

iLobe™ Modular Rotary Lobe Pump Platform

Ideal for molten chocolate, pralines, pastry and other confectionery applications, the iLobe is precision-engineered to minimize shear damage and maintain robust performance, even for high-viscosity liquids.

Extremely Robust Design with Contactless Running

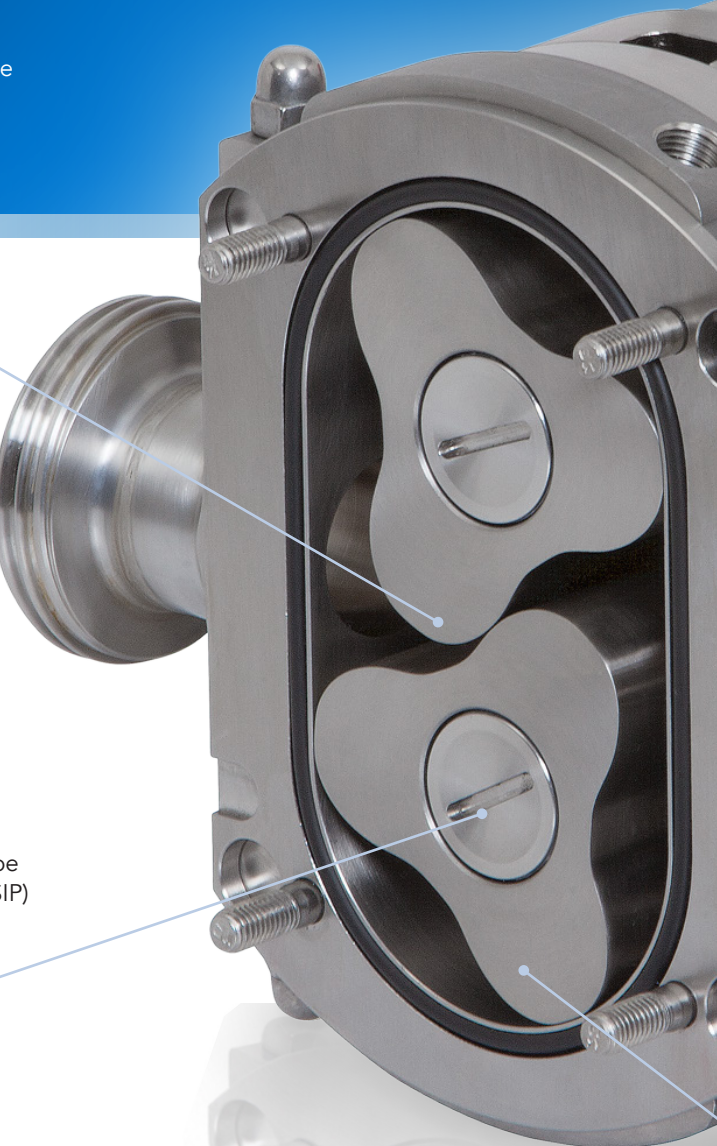
The meticulously crafted gear box and arrangement of bearings and shaft guides deliver precise positioning, preserving rotor concentricity and ensuring contactless operation even under extreme loads. Equipped with thicker, shorter shafts compared to other lobe pumps, the iLobe has an extremely robust design, allowing it to have higher tolerances for temperature and load changes, eliminating shaft deflection.

CIP & SIP Capability

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

Easily Accessible Seals

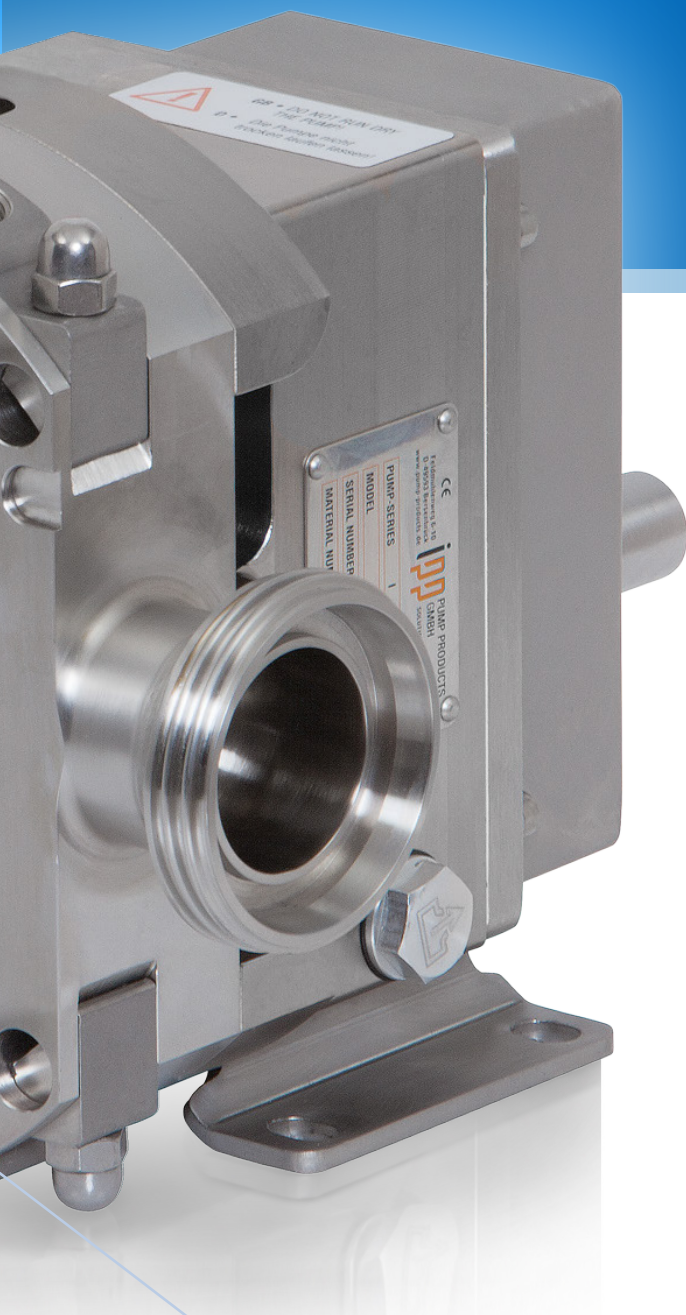
Engineered to minimize downtime, iLobe pumps simplify maintenance with a front-pull-out system and easily accessible mechanical seals, enabling in-line maintenance.



Patented Integrated Heat Exchanger

Maintains temperature consistency for molten chocolate and other applications where precise temperature control is critical via a patented integrated heat exchanger.





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 R_a of $0.8 \mu\text{m}$ ($32 \mu\text{in}$) and outside surface finish R_a of $1.2 \mu\text{m}$ ($47 \mu\text{in}$). A contact surface finish of up to $R_a \leq 0.4 \mu\text{m}$ ($15.7 \mu\text{in}$) 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-H.

Connection Options

iLobe 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



TRILOBE

Standard for iLobe



BILOBE

Best for Pumping Solids without Damage



BI-WING

Traditional Rotor Design



HELICAL TWISTED

Best for High-pressure Applications



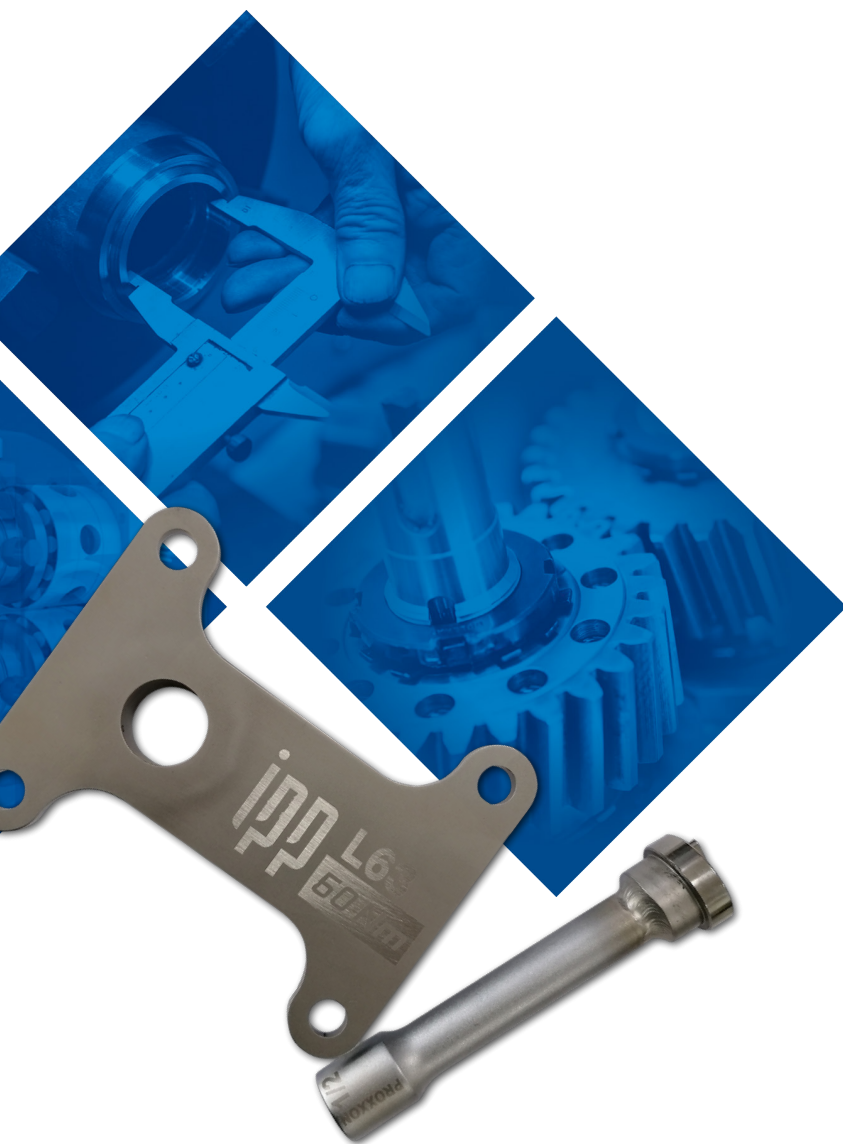
MULTI-LOBE (GEAR)

Best for Dosing Applications



CIRCUMFERENTIAL PISTON

Standard for Circumferential Piston Pump



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.

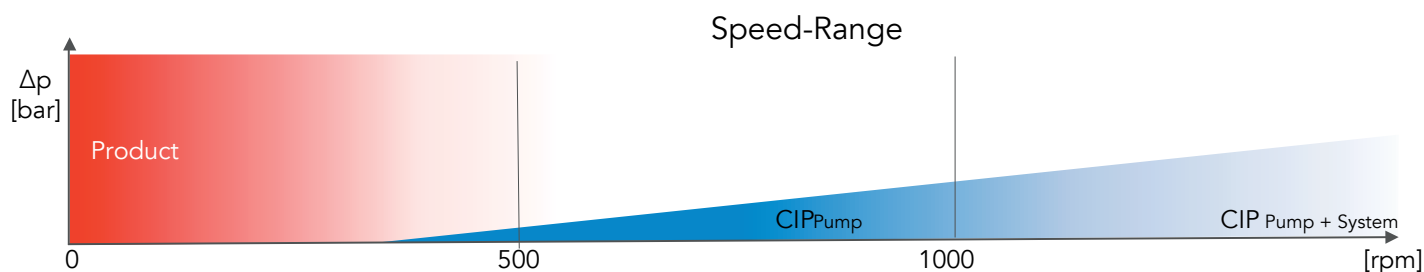
SERVICES INCLUDE:

- Damage analysis and repair
- Binding estimate of costs
- Fast turnaround time
- 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





iLobe Technical Data and Specifications



MODEL	INLET & DISCHARGE SIZE		CONNECTION TYPE	DISPLACEMENT PER REVOLUTION		MAXIMUM SPEED	MAXIMUM FLOW		MAXIMUM PRESSURE		MAXIMUM CIP TEMP		MAXIMUM SIP TEMP		QCIP		APPROXIMATE WEIGHT	
	mm	inch		l/rev.	gal/rev.		lpm	gpm	Bar	PSI	°C	°F	°C	°F	m3/h	gpm	kg.	lb.
iL42i	25	1.0	DN25	0.030	0.008	1800	54.00	14.27	12	174	90	194	130	266	1.9	8.4	12	26
iL55sx	13	0.5	DN15	0.030	0.008	1400	42.00	11.10	15	218	90	194	130	266	1.4	6.2	16	35
iL55s	19	0.75	DN20	0.040	0.011	1400	56.00	14.79	15	218	90	194	130	266	2.1	9.2	16.5	36
iL55i	25	1.0	DN25	0.060	0.016	1400	84.00	22.19	15	218	90	194	130	266	3.2	14.1	17	37
iL55li	32	1.25	DN32	0.075	0.020	1400	105.00	27.74	15	218	90	194	130	266	4.4	19.4	17.5	39
iL55l	38	1.5	DN40	0.094	0.025	1400	131.60	34.77	8	116	90	194	130	266	6.0	26.4	18	40
iL63s	38	1.5	DN40	0.090	0.024	1400	126.00	33.29	15	218	90	194	130	266	3.1	13.6	20	44
iL63i	38	1.5	DN40	0.120	0.032	1400	168.00	44.38	15	218	90	194	130	266	6.8	29.9	20	44
iL63l	38	1.5	DN40	0.174	0.046	1400	243.60	64.35	15	218	90	194	130	266	10.6	46.7	21	46
iL85s	38	1.5	DN40	0.210	0.055	1100	231.00	61.02	15	218	90	194	130	266	10.5	46.2	42	93
iL85i	51	2.0	DN50	0.280	0.074	1100	308.00	81.37	15	218	90	194	130	266	14.4	63.4	45	99
iL85l	64	2.5	DN65	0.350	0.092	1100	385.00	101.71	15	218	90	194	130	266	18.3	80.6	47	104
iL115s	51	2.0	DN50	0.550	0.145	900	495.00	130.77	15	218	90	194	130	266	24.4	107.4	108	238
iL115si	64	2.5	DN65	0.700	0.185	900	630.00	166.43	15	218	90	194	130	266	31.5	138.7	111	245
iL115i	76	3.0	DN80	0.950	0.251	900	855.00	225.87	15	218	90	194	130	266	42.6	187.6	114	251
iL115l	102	4.0	DN100	1.230	0.325	900	1107.00	292.44	15	218	90	194	130	266	57.0	251.0	123	271
iL130sx	64	2.5	DN65	1.230	0.325	850	1045.50	276.19	15	218	90	194	130	266	24.7	108.8	190	419
iL130s	76	3.0	DN80	1.600	0.422	850	1360.00	359.27	15	218	90	194	130	266	37.1	163.3	201	443
iL130i	102	4.0	DN100	1.970	0.520	850	1674.50	442.36	15	218	90	194	130	266	56.5	248.8	212	467
iL130l	103	4.0	DN100	2.340	0.612	850	1989.00	525.44	9	131	90	194	130	266	56.5	248.8	222	489



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Purity.
Performance.
Purpose.



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