



ULTRA HYGIENIC ROTARY LOBE



	55 SERIES			ULTIMA					
PUMP MODEL	55210	55320	55420	LU42	LU44	LU52	LU54	LU62	LU64
Port Size (inch)	1/2	3/4	1	1 or 1 1/2	1 1/2 or 2	1 1/2 or 2	2 or 3	2, 2 1/2 or 3	3 or 4
Displacement gall/ rev	0.28	0.77	1.77	3.2	5.4	7	12	16.8	25
Maximum Flow US GPM	4.2	11.6	17.7	32	54	67	115	121	180
Maximum Pressure PSI	200	300	300	215	115	215	115	215	115
Maximum Speed (RPM)	1500	1500	1000	1000	1000	960	960	720	720
Dimensions LxWxH inches	8x5x5	10x6x7	12x7x8	11x9x9	12x9x9	15x10x10	16x10x10	18x13x13	19x13x13
Weight (bareshaft) lbs	17	41	57	51	55	83	89	153	165
Temperature °F	-22 to 284			-22 to 284					
Viscosity cp	1 to 1 million			1 to 1 million					

OPTIONS

• SEALS

Front loaded single mechanical face type seals of hygienic design. Materials include carbon and silicon carbide.

Low pressure flushed seals utilize the same single mechanical seal with an additional housing. A low pressure flush liquid washes away crystallizing products or liquids which 'skin over'.

Double mechanical seals utilizing all the components from single seals. Used for hazardous, toxic, highly abrasive, or sterile products.

• CONNECTIONS

US and European standards including Tri-Clamp. All pumps available with 2 different sizes. Oversized ports available for Ultima series.

• ELASTOMERS

EPDM, Viton and PTFE product contact joints in compounds conforming to the FDA CFR title 21, section 177.2600.

• OTHER OPTIONS

Aseptic barrier end cover joints to maintain sterility of product during long cycle times.

Electropolish or high polish internal surfaces to 0.5µm Ra (240grit) for minimized cell damage and maximized cleanability.

DESIGN FEATURES

• ULTIMATE HYGIENIC STANDARDS

Tested and approved to the EHEDG (European Hygienic Engineering Design Group), CIP, SIP, and Bacterial Tightness protocols. Full conformance to 3A Sanitary Standards 02-10 and 18-03 and utilizing materials which meet the requirements of the FDA title 21, section 177.2600.

• CLEANER BY DESIGN

External rotor retention together with gasket type joints in place of O-rings reduce the number of potential product entrapment areas. In addition to this, the shaft seals are pulled forward fully in the product zone, all of which adds up to the ultimate in cleanability... every time!

• LOW PRODUCT SHEARING

The bi-wing and 5 lobe rotor designs ensure high volumetric efficiency on low viscosity products resulting in low shear rates and low product damage.

• RUGGED DESIGN

This pump design utilizes extremely large shaft diameters mounted in high specification taper roller bearings. These give maximum shaft stiffness to ensure no galling thus maintaining the pump's CIP and SIP capabilities.