



I Application

SLR Alminox pump is positive displacement lobe rotor pump that offers high performance and reliability.

The Alminox lobe rotor pump is designed to pump olive mass. The main application is the transfer of the mass from the thermobeater to the decanter and the transfer of alperujo from the thermobeater to the decanter. If the pump is provided with a feeder, olive mass can be transferred from the mill to the thermobeater.

I Operating principle

The SLR pumps basically consist of two lobe rotors which rotate synchronously inside a casing without touching each other.

As the rotors rotate, the spaces between the lobes and the casing are successively filled with the product and a fixed amount of the displaced product is conveyed to the discharge nozzle. The pumped product forms a continuous flow thanks to the tolerances between the lobes and the pump casing, thus, ensuring an efficient pumping.

I Design and features

Bare shaft with coupling, geared motor and steel baseplate.

Stainless steel investment casting casing and cover for work with abrasive media.

Wing lobes for work with abrasive media.

Sanitary design of lobe fixation.

Horizontal nozzles (rectangular inlet and male DIN outlet).

Sanitary mechanical seal

Easy cleaning and maintenance.

I Materials

Casing and seal cover	AISI 420
Rotors	AISI 440C
Shaft sleeve and rotor screw	AISI 316L
Support	GG-25
Gaskets (standard)	NBR
Mechanical seal (standard)	SiC/SiC/NBR

I Options

Gaskets: FPM (Vitón®).

Motor shroud: AISI 304.

Three-lobe rotors.

Various types of motors and protections (geared motor with frequency converter, pulley drive).

Torque limiter.

Stainless steel baseplate.

Vertical support.



SOURCE OF SOLUTIONS

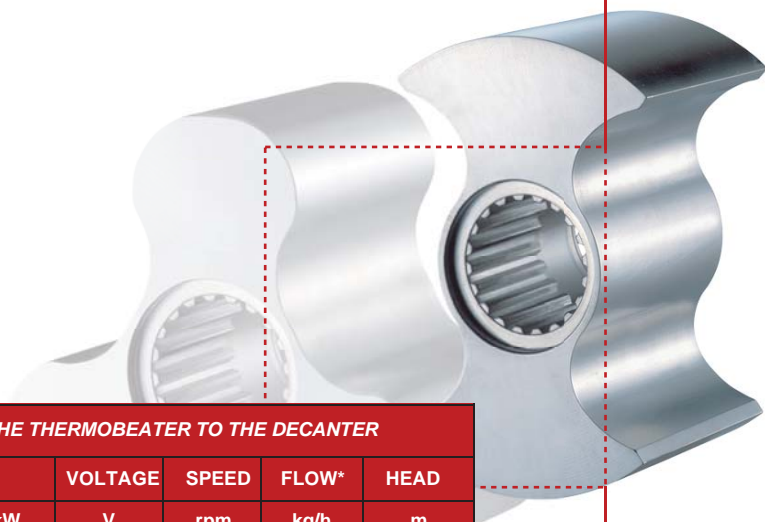
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I Technical specifications

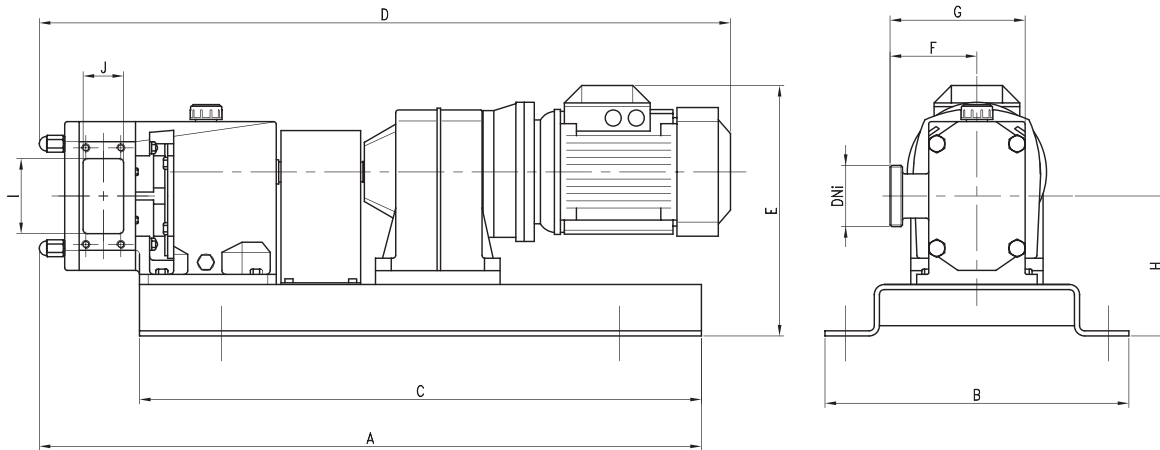
Max. flow	300 Tn/day	55 US GPM
Max. pressure	6 bar	87 PSI
Max. working temperature	100 °C	194 °F
Max. speed	144 min ⁻¹	



ST.ST. PUMPS FOR THE TRANSFER OF OLIVE MASS FROM THE THERMOBEATER TO THE DECANTER									
DECANTER Tn/day	PUMP MODEL	CONNECTIONS		POWER		VOLTAGE	SPEED	FLOW*	HEAD
		INLET	OUTLET	HP	kW	V	rpm	kg/h	m
165	SLR 3-80 AL	Rectangular	80	5,5	4	220/380	144	6.800	60
225	SLR 4-100 AL	Rectangular	100	7,5	5,5	220/380	94	9.400	60

ST.ST. PUMPS FOR THE TRANSFER OF OLIVE MASS FROM THE MILL TO THE THERMOBEATER									
MILL Tn/day	PUMP MODEL	CONNECTIONS		POWER		VOLTAGE	SPEED	FLOW*	HEAD
		INLET	OUTLET	HP	kW	V	rpm	kg/h	m
165	SLR 3-80 AL	Rectangular	80	7,5	5,5	220/380	144	6.800	60
360	SLR 4-150 AL	Rectangular	150	15	11	380/660	102	15.000	60
500	SLR 4-150 AL	Rectangular	150	20	15	380/660	143	21.000	60

* Flow depending on the density of the mass and the water content



TYPE	DN OUTLET	POWER [kW]	WEIGHT* [kg]	A	B	C	D	E	F	G	H	I	J
SLR 3-80 AL	80	5,5	120	1055	470	900	1120	490	138	225	235	145	66
SLR 4-100 AL	100	5,5	140	1195	520	1000	1300	525	170	280	270	190	90
SLR 4-150 AL	150	11 15	194 210	1245	520	1000	1510	560	180	290			

* Weight of the pump with the drive unit

