



RLP Series

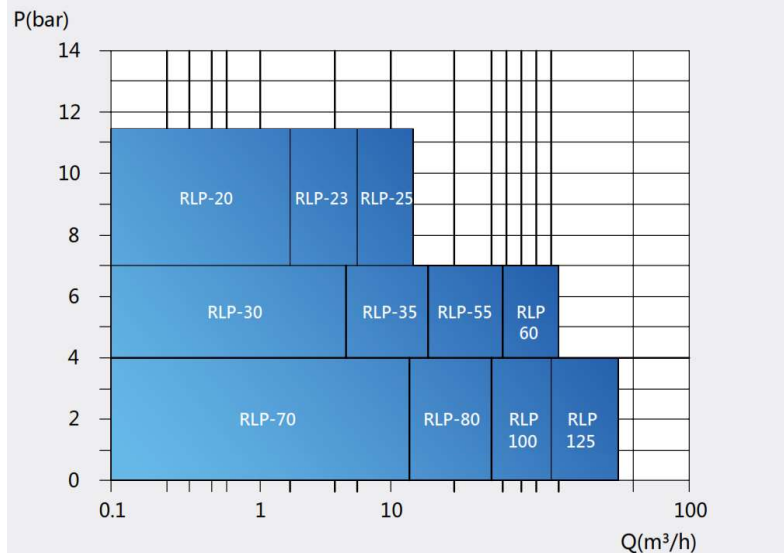
Hygienic Rotary Lobe Pumps

The RLP Series pump is a positive displacement rotary lobe pump designed according to the 3-A standard – the gold standard of hygienic food equipment design.

Manufactured in AISI 304 or AISI 316L with both horizontal and vertical options available.

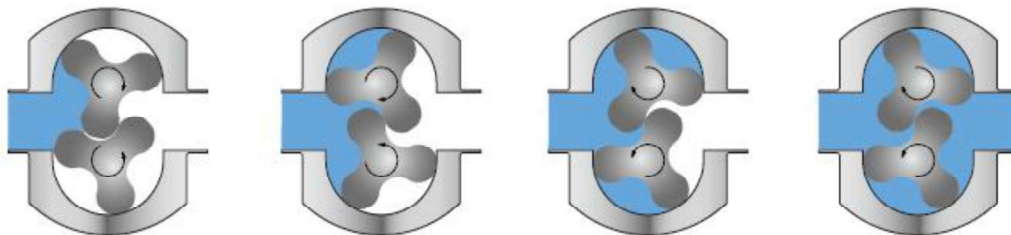
These pumps are ideal for the transfer of viscous as well as low-viscous media in the food processing, cosmetics and pharmaceutical industries.

Performance Specifications



Basic Operating Principle

- A.** As the lobes rotate, the space on the suction side increases as one lobe is distanced from another, thus creating a partial vacuum which draws the fluid into the pump chamber.
- B.** As they are rotated by the shafts, each lobe is consecutively filled and the fluid is displaced to the delivery side. The small gaps between the lobes and between the lobes and the walls of the pump body ensure that the spaces are duly filled.
- C.** The pump housing is completely filled and the fluid escapes through the teeth of the lobes and is forced against the walls of the spaces, which contributes to the pump action.



hygex®

www.aqspumps.co.za

AQS
INDUSTRIES
Redefining Service Excellence for over 30 years

RLP Series

Hygienic Rotary Lobe Pumps

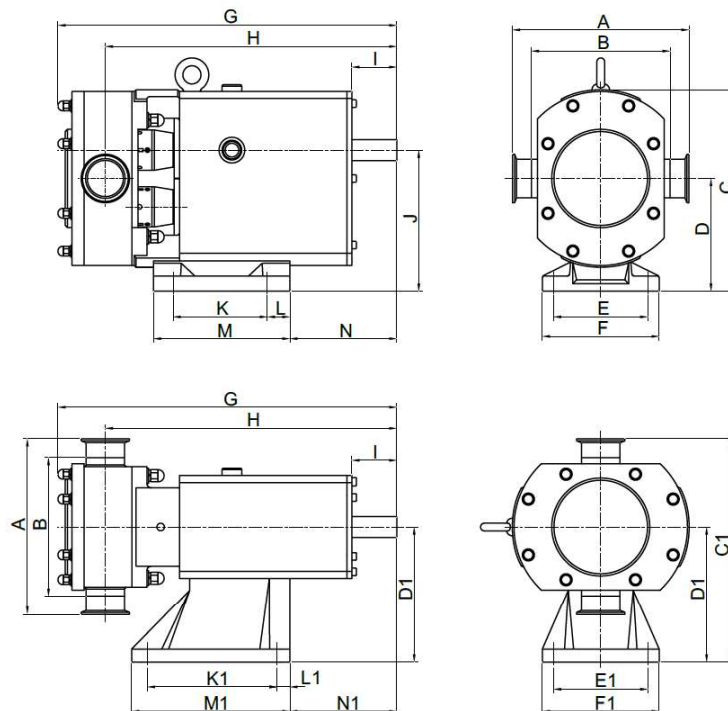
Model Selection Table

MODEL	Flow (m ³ /h)	Pressure (Bar)	Motor Power (kW)	Rotational Speed (rpm)	Flow /100 revs (Litres)	Inlet/Outlet (mm)
RLP-20	0.6 - 3.0	12	1.5	100-450	9.96	DN25
		9	1.1			
		5	0.75			
RLP-23	1.1 - 5.0	12	3	100-450	18.7	DN40
		9	2.2			
		5	1.5			
RLP-25	1.5 - 7.0	10	4	100-450	25.6	DN50
		7	3			
		4	2.2			
RLP-30	2.6 - 10.0	12	5.5	100-400	43.4	DN50
		8	4			
		4	3			
RLP-35	3.25 - 13.0	10	5.5	100-400	54.3	DN65
		7	4			
		3	3			
RLP-55	3.5 - 14.0	12	7.5	100-400	59.3	DN65
		9	5.5			
		6	4			
		3	3			
RLP-60	4.0 - 16.0	10	7.5	100-400	65.3	DN80
		7	5.5			
		5	4			
		3	3			
RLP-70	7.5 - 31.0	12	11	100-360	128	DN80
		9	7.5			
		5	5.5			
RLP-80	10.0 - 40.0	10	11	100-360	164	DN80
		7	7.5			
		4	5.5			
RLP-100	12.5 - 50.0	10	11	100-360	208	DN100
		6	7.5			
		3	5.5			
RLP-125	15.5 - 62.0	10	15	100-360	260	DN125
		7	11			
		4	7.5			

RLP Series

Hygienic Rotary Lobe Pumps

Dimensional Specifications



RLP-SERIES	DIMENSIONS											
PUMP MODEL	A	B	C	C1	D	D1	E	E1	F	F1	G	H
RLP-20	215	172	222	252	123	145	100	95	125	120	332	291
RLP-23											346	
RLP-25											356	
RLP-30	227	184	270	288	149	175	125	125	155	155	457	381
RLP-35	227			288							465	
RLP-55	240			295							474	
RLP-60	227			288							476	
RLP-70	303	260	387	407	221	256	193	193	233	233	540	464
RLP-80	316			414							540	469
RLP-100	303			407							540	480
RLP-125	316			414							540	493

PUMP MODEL	I	J	K	K1	L	L1	M	M1	N	N1	INLET / OUTLET
RLP-20	52	153	100	115	19	15	132	146	107	105	DN25
RLP-23											DN40
RLP-25											DN50
RLP-30	60	146	125	170	30	18	181	210	140	146	DN50
RLP-35											DN65
RLP-55											DN65
RLP-60											DN80
RLP-70											DN80
RLP-80	80	281	208	208	32	32	275	275	150	129	DN80
RLP-100											DN100
RLP-125											DN100
											DN125

hygex®

www.aqspumps.co.za

AQS
INDUSTRIES
Redefining Service Excellence for over 30 years