



hygex®

Hygienic Pumps for Every Process



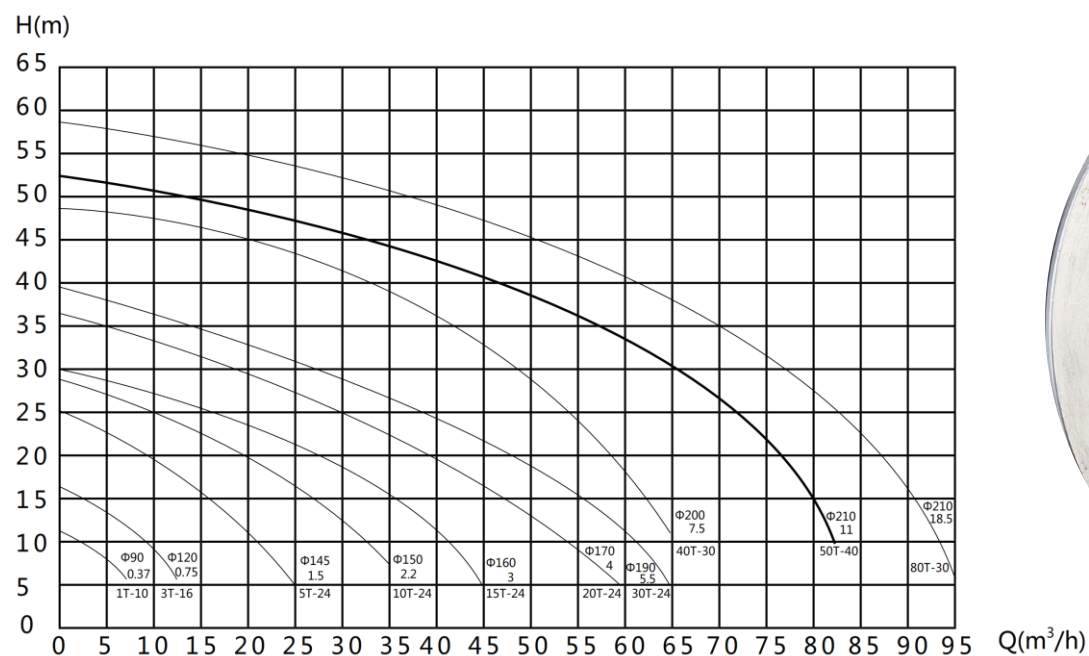
CP Series

Hygienic Centrifugal Pumps

The CP Series are single state, single suction, hygienic class centrifugal pumps. It is applied to delivery of dairy milk, beer and other beverages or liquids - playing an indispensable role in the food, beverage and pharmaceutical industries.

The maximum operating temperature of Single Mechanical seal pumps are 120°C and 150°C on the Double Mechanical seal versions.

Performance Specifications



CP-SERIES	Pump Model	Rated Flow (m³/h)	Rated Head (m)	Power (kW) 2900rpm	Inlet/Outlet (mm)
1	CP-1T-10m	1	10	0.37	25 / 25
2	CP-3T-16m	3	16	0.75	38 / 32
3	CP-5T-24m	5	24	1.5	38 / 38
4	CP-5T-30m	5	30	2.2	38 / 38
5	CP-10T-24m	10	24	2.2	50 / 38
6	CP-10T-35m	10	35	3	50 / 38
7	CP-10T-42m	10	42	4	50 / 38
8	CP-10T-50m	10	50	5.5	50 / 38
9	CP-15T-24m	15	24	3	50 / 38
10	CP-15T-35m	15	35	4	50 / 50
11	CP-20T-24m	20	24	4	50 / 50
12	CP-20T-35m	20	35	5.5	50 / 50
13	CP-20T-42m	20	42	5.5	50 / 50
14	CP-20T-50m	20	50	7.5	63 / 63
15	CP-25T-24m	25	24	4	50 / 50
16	CP-25T-35m	25	35	5.5	50 / 50
17	CP-30T-24m	30	24	5.5	63 / 50
18	CP-30T-35m	30	35	7.5	63 / 50
19	CP-40T-35m	40	35	7.5	63 / 63
20	CP-50T-30m	50	30	7.5	76 / 63
21	CP-50T-40m	50	40	11	76 / 63
22	CP-60T-35m	60	35	15	76 / 63
23	CP-80T-30m	80	30	18.5	76 / 63
24	CP-100T-30m	100	30	18.5	102 / 76
25	CP-120T-40m	120	40	22	102 / 102

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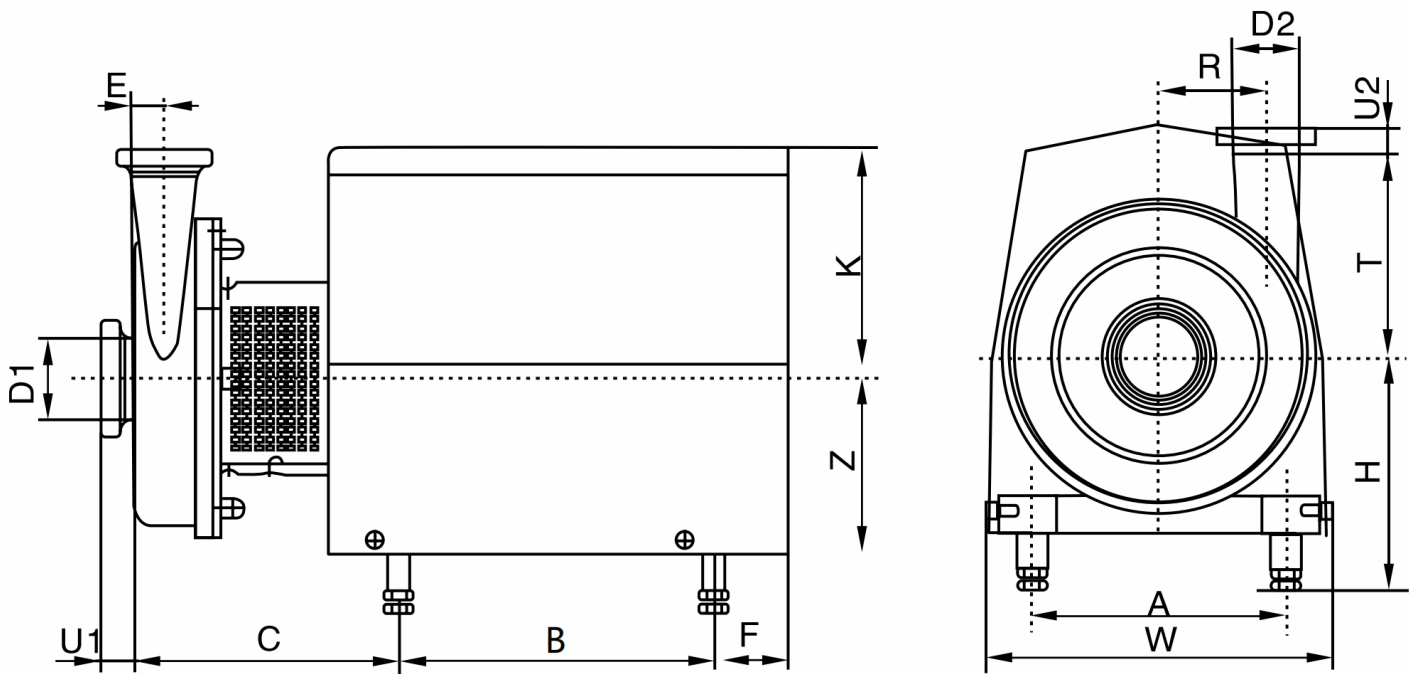
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CP Series

Hygienic Centrifugal Pumps

Dimensional Specifications



CP-SERIES	MOTOR SIZE										
DIMENSION	0.37kW	0.75kW	1.5kW	2.2kW	3kW	4kW	5.5kW	7.5kW	11kW	15kW	18.5kW
A	130	150	160	160	200	210	245	245	280	280	280
B	190	200	220	220	260	280	325	325	380	380	400
C	100	155	180	180	200	212	215	230	240	240	240
E	10	15	20	21	22	22	22	30	30	30	30
F	65	65	65	85	100	100	100	100	130	130	130
H min	135	175	180	180	195	205	220	220	250	250	250
H max	165	215	220	220	235	245	260	260	290	290	290
K	120	170	175	175	215	215	215	215	265	265	265
R	37	55	65	75	85	85	85	102	102	102	102
T	90	105	140	140	155	155	165	200	200	200	200
W	172	212	212	222	262	262	312	312	362	362	362
Z	75	95	100	100	115	125	140	140	195	195	195
U1	28	28	28	28	33	33	33	33	33	33	33
U2	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5
D1	25	38	38	51	51	51	51	63.5	76	76	102
D2	25	32	38	38	38	51	51	63.5	63.5	63.5	76
Weight (kg)	26	30	38	42	55	62	88	102	165	176	196



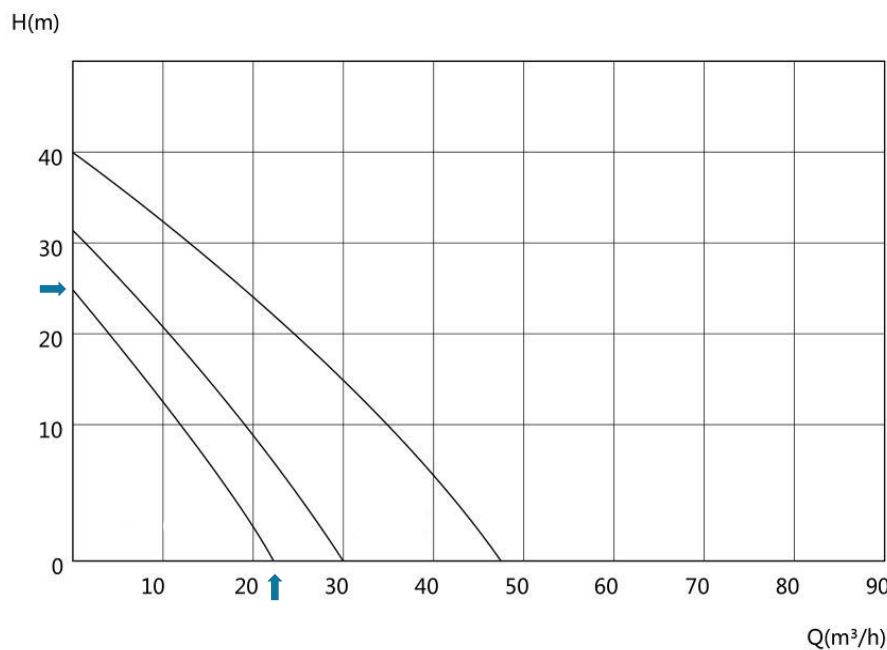
SPL Series

Self-Priming Liquid Ring Pumps

The SPL Series Pumps are designed to continuously transport products containing large amounts of air or gas without becoming air locked. This not only enables the pump to minimize contamination but also to completely empty tanks and lines. Their excellent suction capabilities prevent product residues from remaining in the system for long.

These self-priming pumps operate according to the side channel principle. Impellers with radial blades in conjunction with hydro-dynamically optimized side channels transmit the pressure energy to the product. The stable impeller and narrow sealing gaps ensure an outstanding suction capacity.

Performance Specifications



SPL-SERIES	Max Flow (m³/h)	Max Head (m)	Power (kW) 1450rpm	Inlet/Outlet (mm)	Temperature Range
SPL-20-4	20	24	4	50 / 50	-10°C / 140°C

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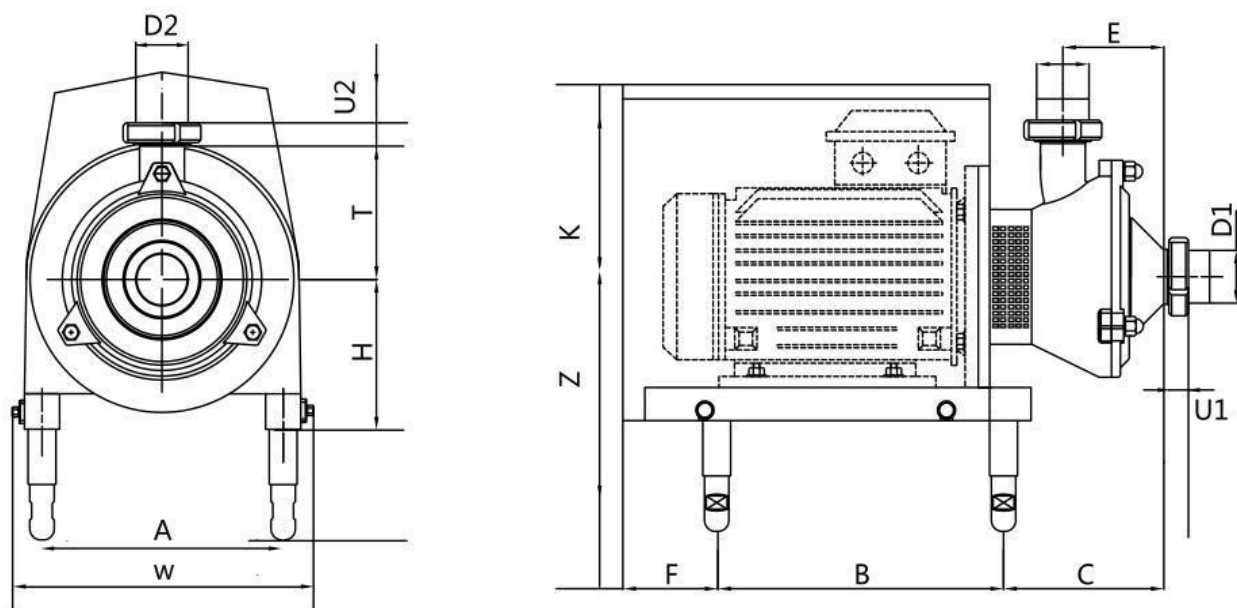
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SPL Series

Self-Priming Liquid Ring Pumps

Dimensional Specifications



SPL-SERIES	DIMENSIONS													
PUMP MODEL	A	B	C	E	F	H min	H max	K	T	W	Z	D1	D2	WEIGHT (kg)
SPL-20-4	210	280	225	120	90	200	240	210	160	262	120	50	50	76

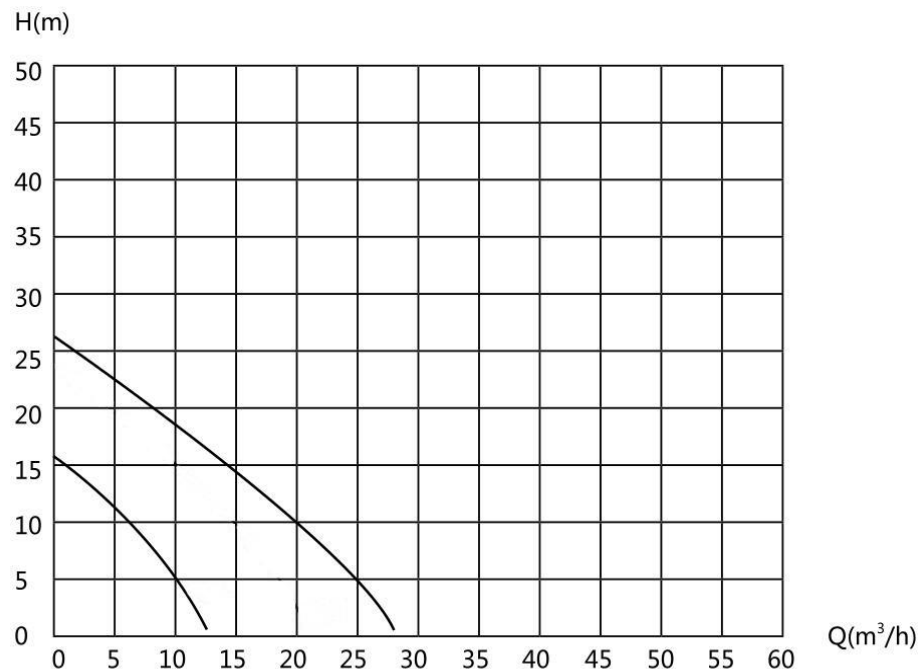


SPL-Y Series

High Suction Self-Priming Liquid Ring Pumps

The SPL-Y Series Pumps are designed to continuously transport products containing large amounts of air or gas without becoming air locked. This not only enables the pump to minimize contamination but also to completely empty tanks and lines. Their excellent suction capabilities prevent product residues from remaining in the system for long. These self-priming pumps operate according to the side channel principle. Impellers with radial blades in conjunction with hydro-dynamically optimized side channels transmit the pressure energy to the product. The stable impeller and narrow sealing gaps ensure an outstanding suction capacity.

Performance Specifications

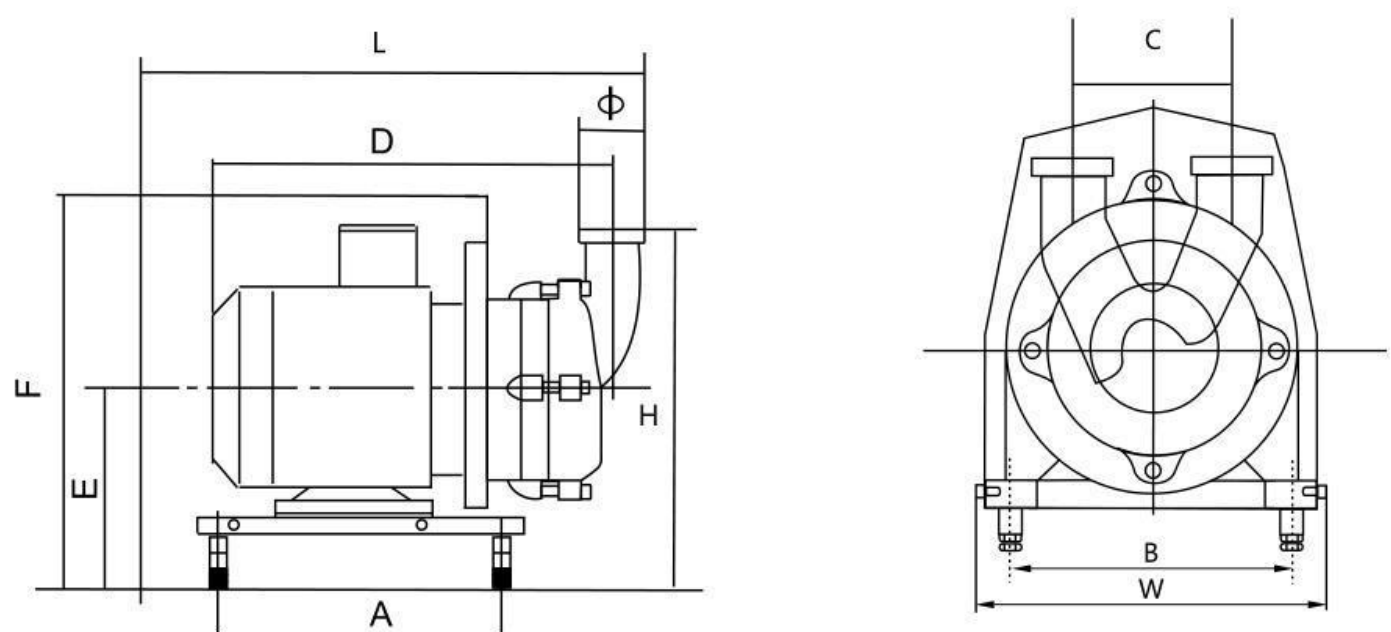


SPL-Y SERIES	Max Flow (m³/h)	Max Head (m)	Power (kW) 1450rpm	Inlet/Outlet (mm)	Temperature Range
SPL10-Y	10	16	1.5	50 / 50	-10°C / 140°C
SPL20-Y	20	24	4	50 / 50	-10°C / 140°C

SPL-Y Series

High Suction Self-Priming Liquid Ring Pumps

Dimensional Specifications



SPL-SERIES	DIMENSIONS											
PUMP MODEL	A	B	C	D	E	F	H	L	W	Inlet	Outlet	WEIGHT (kg)
SPL10-Y	280	160	122	460	180	355	340	520	212	50	50	54
SPL20-Y	280	190	122	460	207	420	390	550	262	50	50	75



RLP Series

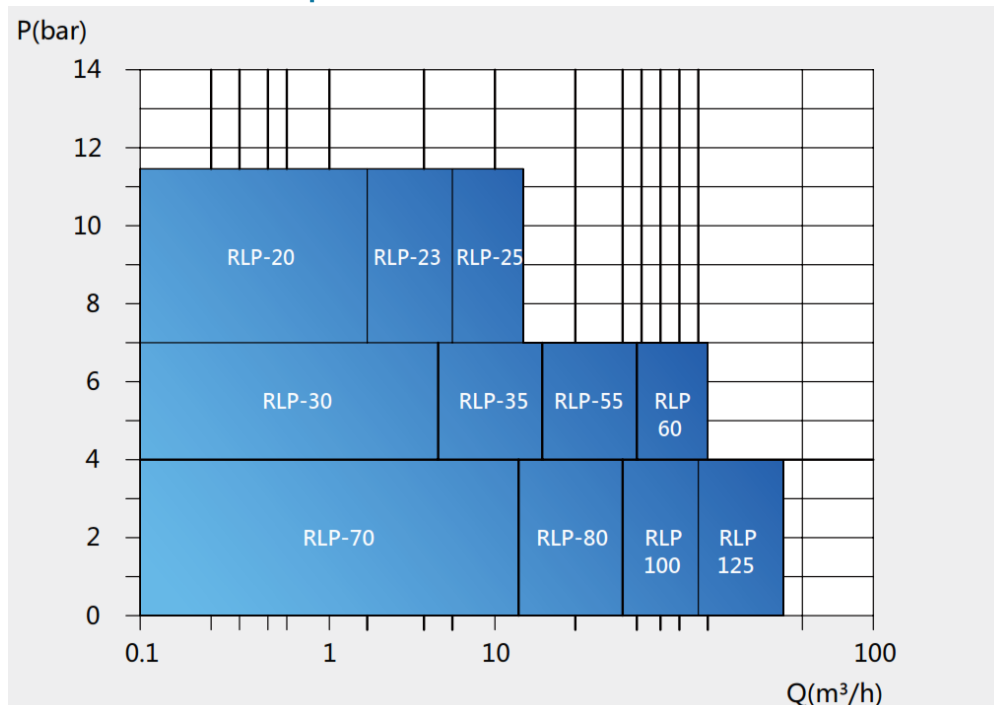
Hygienic Rotary Lobe Pumps

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.

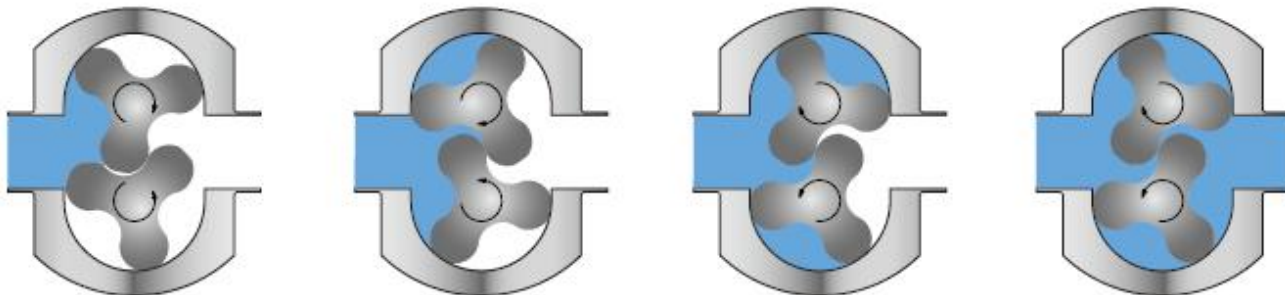
These pumps are ideal for the transfer of viscous as well as low-viscous media in the food processing, cosmetics and pharmaceutical industries.

Performance Specifications



Basic Operating Principle

- 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.
- 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.
- 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.



RLP Series

Hygienic Rotary Lobe Pumps

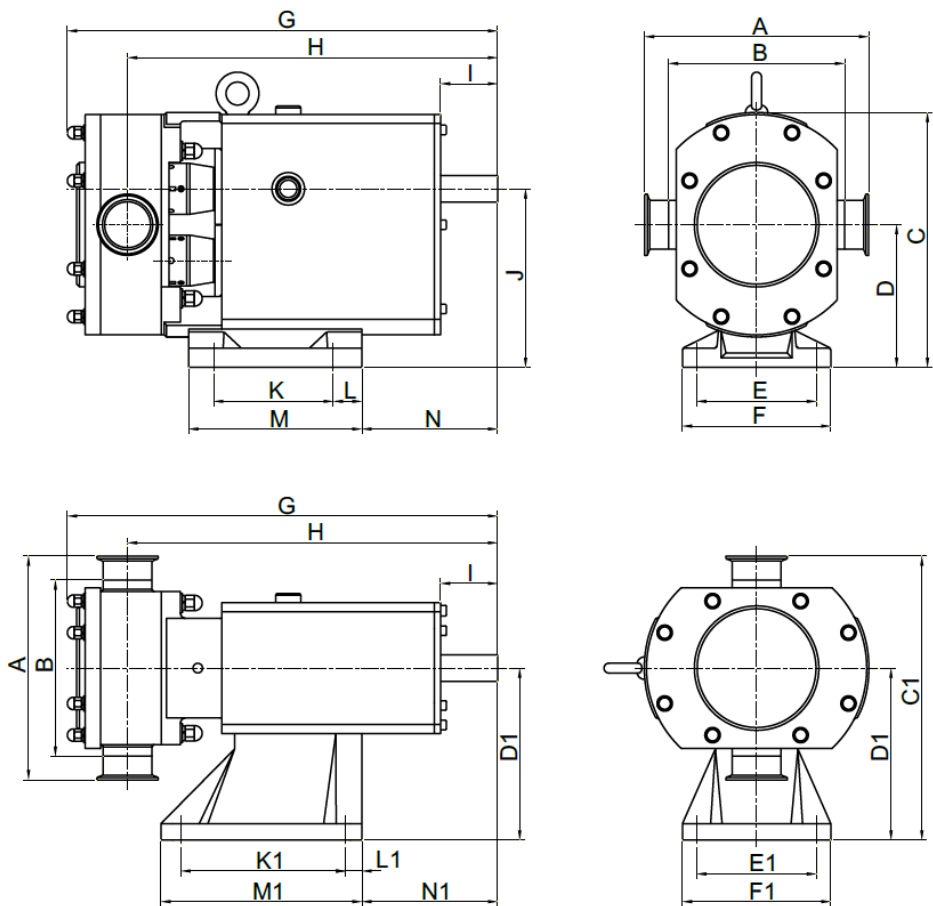
Model Selection Table

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								469
RLP-100	303			407								480
RLP-125	316			414								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	80	281	208	208	32	32	275	275	150	129	DN80										
RLP-80											DN80										
RLP-100											DN100										
RLP-125											DN125										
											DN125										