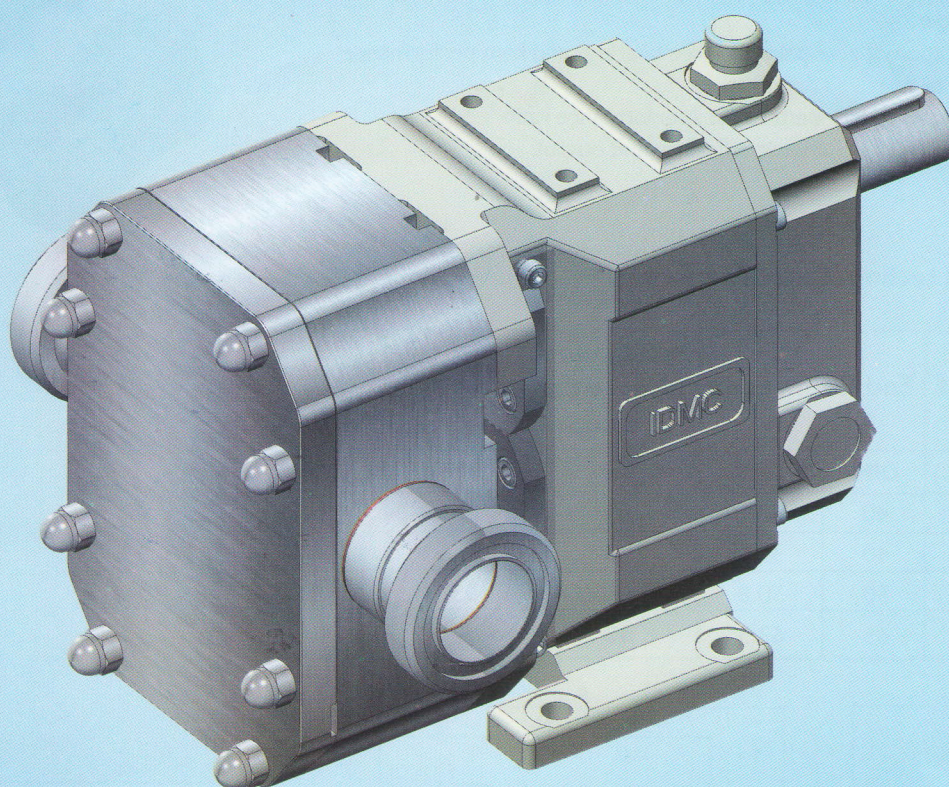


LBP Series Lobe Pumps



IDMC
LIMITED

Lobe pump working principle & applications

Working Principle

Two intermeshed rotors are each affixed to gear driven shaft. The shafts rotate in opposite directions and to which the rotating motion of the rotors create an expanding cavity in the suction side. This allows fluid and solids to enter and fill the suction side of the pump. The rotors carry forward the fluid around the housing to the discharge side where it is expelled out of the pump by closing the cavity.

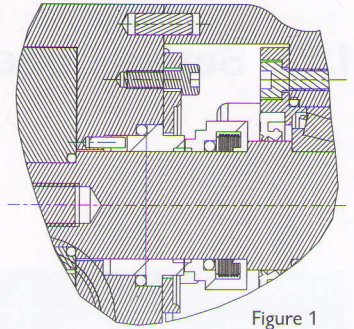


Figure 1

Application

IDMC make LBP pump is a positive displacement rotary lobe pump with a sanitary design and suitable for use in dairies, food processing, beverages, and pharmaceutical industries. This rotary lobe pump is perfectly suitable for transferring all kinds of fluid, of either low or high viscosity. LBP Series Lobe Pumps are capable of transferring fluids of viscosity ranging from 1 to 1,00,000 cP.

Salient features of LBP Series Lobe Pumps

- Conclusive design concept for hygienic applications
- Smooth & continuous flow
- Strong shaft, synchronization of gear pair, play-free bearings and high performance mechanical seal for long lasting
- Higher reliability and functionality – better cost /performance ratio
- Specially designed lobe for high volumetric efficiency and output
- Easy maintenance
- Precisely manufactured



LBP series model and technical specifications

Model	Displacement	End Connection		Maximum Differential Pressure	Maximum Speed	Maximum Power
	(Litres/100 Rev.)	DIN	SMS	(Bar)	(RPM)	(kW)
LBP 18	18	40	38.1	7	1000	5.5
LBP 20	23	40	38.1	10	950	7.5
LBP 22	34	50	50.8	7	950	7.5
LBP 30	55	65	63.5	10	720	18.5

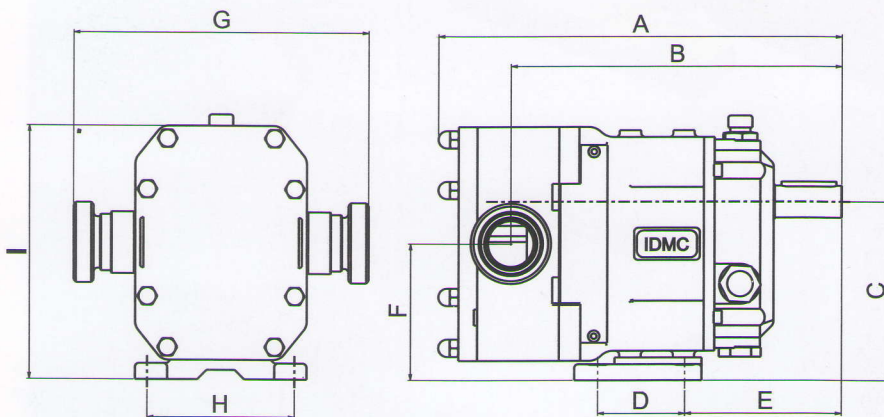


Figure 2

Overall Dimensions									
Model	A	B	C	D	E	F	G	H	I
LBP 18	301	247	134	65	118	102	220	110	198
LBP 20	366	304	147	80	132	110	247	169	217
LBP 22	381	313	147	80	132	110	251	169	217
LBP 30	462	381	187	85	161	142	284	164	267



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