CoreVac
Tel: +2761 650 7071
Email: info@corevac.co.za
Website: www.corevac.co.za

DVL Series Liquid Ring Vacuum Pumps



Introduction:
DLV series two stage liquid ring vacuum pump is our new design based on 2SK pumps and combines Germany double-stage pump design criteria. This series has two compression processes, with steady suction speed in high vacuum, or keeping the high vacuum in a wide range of suction speed. Its efficiency in high vacuum is 35%-40% higher than that of single stage pump, but with less energy consumption.

Advantages:
1. Wider range of suction pressure. Compared to other double stage pumps (suction pressure 50mbar -150 mbarA), DLV pump works in 25 mbar～1013 mbar pressure, with less energy consumption, with 15%-20% lower than traditional ones.
2. All kinds of models to fulfill various process requirements.
3. Materials are optional to make the pump possible to work in various harsh environment, Such as carbon steel, stainless steel, dual-phase steel, titanium, etc .
4. Scope of supply are optional, such as: pump head, pump with suction communicating pipe, separator and liquid pipes, pump aggregate with motor and base frame, complete set of closed cycle system with all auxiliary devices, the system with two or more stages when the single or double mechanical seal and several flush method.
5. Precise casting, high standard accessories, imported bearing; high efficiency

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Application:

LV series pumps are very suitable for the process of vacuum drying, evaporation, distillation, concentration, filtering, degassing in industry of food, pharmacy, chemical, power plant, paper making, textile, metallurgy etc.

Technical Specification:

Model	Motor speed	Motor power		Max. suction capacit		Ultimate vacuum		Inlet & Outlet port
		kW	HP	m^3/h	CFM	mbar	Inch Hg	mm
DLV-110/ DLV-120	1450	3.0	4	110	65	33	1.0	DN40
	1750	4.0	5.5	132	80	33	1.0	
DLV-140	1450	4.0	5.4	145	85	33	1.0	DN40
	1750	5.5	7.4	174	102	33	1.0	
DLV-180	1450	5.5	7.4	186	109	33	1.0	DN40
	1750	7.5	10.1	223	131	33	1.0	
DLV-300	1450	7.5	10.1	283	167	33	1.0	DN50
	1750	11.0	14.8	314	185	33	1.0	
DLV-350	1450	11.0	14.8	342	201	33	1.0	DN50
	1750	15.0	20.1	411	242	33	1.0	
DLV-400	1450	15.0	20.1	425	250	33	1.0	DN50
	1750	18.5	24.8	475	280	33	1.0	
DLV-500	1450	18.5	24.8	501	294	33	1.0	DN65
	1750	22	29.7	590	347	33	1.0	
DLV-600	1450	22	37.7	616	362	33	1.0	DN65
	1750	30	40.5	739	434	33	1.0	
DLV-800	975	30	40.5	862	507	33	1.0	DN100
	1175	37	50	1032	607	33	1.0	
DLV-1200	975	37	50	1252	736	33	1.0	DN100
	1175	45	60	1407	1407	33	1.0	
DLV-1600	975	45	60	1589	935	33	1.0	DN100
	1175	75	101	1717	1010	33	1.0	