Leybold

DIFFVAC DP Series
Oil diffusion pumps

The DIFFVAC DP represents the most updated diffusion pump generation. Its advanced design is focused on energy efficiency, robustness and up-time, combined with excelling pumping speed and throughput, simply offering pure customer value.

Performance driven
for maximum pumping speed in high vacuum

Easy maintenance
simple to exchange heater cartridges, each individually fuse protected

Reliable sensors
Thermostat sensor ensure automatic switch-off for better pump protection and safety

IoT readiness
In combination with the EEC*: save energy and be ready for the future!

Customer benefits:

Extended uptime of oil and heaters and longer maintenance cycles

Up to 30% energy savings with EEC* plus up to 20% energy savings by improved insulation

Better monitoring of oil and heater temperature to extend process control

*Energy Efficiency Controller

New consolidated customer interface:

- Terminal Box for easy connection (3ph + PE +N)
- Each heater monitored by individual fuse protection

Easy retrofittable Energy Efficiency Controller:

- Pump + terminal box is prepared for EEC
- Simple design: EEC can be wired into Terminal Box
- No change on the pump, simple upgrades on site possible

Technical data

		DIFFVAC		
		DP 12K	**DP 20K**	**DP 50K**
Pumping speed for air	l/s	8.900	16.000	41.000
Pumping Speed for He	l/s	12.000	20.000	50.000
Max. permissible FV pressure	mbar	0.5		
Working range	mbar	10^{-3} – 10^{-7}		
Heat up time	min	25	30	
Rated power	kW	7.2	12	24
Dimensions (diameter x height)	mm	max. 550 x 950	max. 960 x 1130	max. 920 x 1.880
Weight	kg	150	250	600
Inlet flange ISO-F		DN500	DN630	DN1000
Outlet flange ISO-K		DN100		DN160

Order information

400V 3PH TB	1917012KV01DGN	1917020KV01DGN	1917050KV01DGN
460V 3PH TB	1917012KV02DGN	1917020KV02DGN	1917050KV02DGN
Accessories			
Energy Efficiency Control (EEC) for DP	13881003A001DGN		13881003A003DGN

Leybold

Pioneering products. Passionately applied.