



DIFFVAC DP 20K

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 highest 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



Pump monitoring

Pt100 sensor to monitor oil and
heater temperature to extend
process control



IOT readiness

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



Customer benefits:



Reduced CO₂
footprint to reach
sustainability targets



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



**Extended uptime of oil
and heaters and longer
maintenance cycles**

*Energy Efficiency Controller

DIFFVAC DP 20K



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
- Wall-mounted EEC + adapter cable as accessory
- Simple Plug & Go design: EEC can be wired into Terminal Box
- No change on the pump, simple upgrades on site possible

You decide, when you start to save energy!

Technical data

		DIFFVAC
		DP 20K
Pumping speed for air	l/s	16.000
Pumping Speed for helium	l/s	20.000
Ultimate pressure	mbar	5×10^{-7}
Max. permissible FV pressure	mbar	6×10^{-2}
Working range	mbar	$10^{-3} - 10^{-7}$
Heat up time	min	30
Rated power	kW	12
Dimensions (diameter x height)	mm	max. 960 x 1130
Weight	kg	250
Inlet flange ISO-K / ISO-F		DN630
Exhaust flange ISO-K		DN100

Order information

DIFFVAC DP 20K 400V 3PH TB	1917020KV01DGN
DIFFVAC DP 20K 460V 3PH TB	1917020KV02DGN



 **Leybold**

Pioneering products. Passionately applied.