

# CHEMICAL DUTY DIAPHRAGM VACUUM PUMP

Model: GKDDP



## ESSENTIAL CHEMISTRY DIAPHRAGM PUMP FOR LABORATORIES

- Superior Chemical resistance
- Robust, reliable and long-life design
- Integrated gas ballast valve for pumping condensable vapours

## NEW PUMP SERIES FOR SUPERIOR CHEMICAL RESISTANCE

### Versatile pump for chemical applications

The new Gallenkamp vacuum pump comes from our latest pump generation series and is ideal for evaporation-type applications – especially benchtop rotary evaporators, vacuum concentrators and small vacuum ovens. With up to 20% higher pumping speed in the application critical working range (<20 mbar), it can achieve significantly faster solvent strip rates – more in line with the performance of a 3-stage diaphragm pump.

The oil-free design ensures a clean work environment and uncontaminated pumping of gases resulting in cleaner samples, with no risk of oil back-streaming, low maintenance costs and very easy serviceability – even simpler than previous pump generations. Its compact, lightweight design allows for minimal bench space usage and, along with its quiet operation, makes GKDDP the essential chemistry diaphragm pump for laboratories. Use a vacuum regulator with a dial gauge to optimise the vacuum level for evaporating solvent.

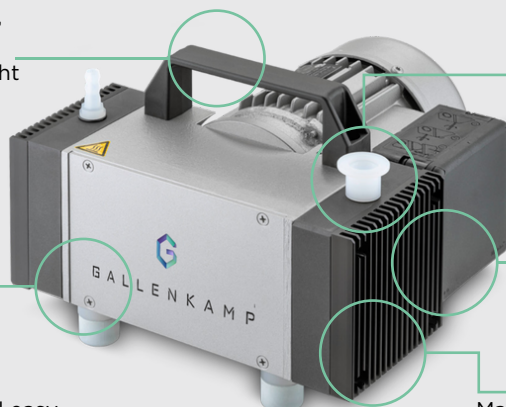
### Improved performance and exceptional reliability

GKDDP has an optimised single-piece diaphragm (SPD) design and pump-head geometry for improved flow path and reliability. With its market-leading design using PTFE and other fluoropolymers for all wetted parts, the pump is fully chemically resistant against aggressive solvents and acidic vapours commonly used in chemistry and pharmaceutical labs. The pump heads are made from PTFE-carbon fibre composite to offer the best chemical resistance with added strength and rigidity. The SPD design significantly increases the chemical resistance and, therefore, the reliability – removing the need for a separate washer to hold it in place.

In addition, the unit complies with ATEX II3G IIC T3 X (internal Atm. only).

## DESIGN FEATURES

Compact, portable, lightweight design



Quick and easy servicing with no special tool required

Switchable DN 16 KF flange/ DN 8 hose nozzle for inlet

Excellent corrosion resistance with PTFE and fluoropolymer parts

Market leading with a proven long diaphragm life

## APPLICATIONS

ROTARY EVAPORATOR



VACUUM OVEN



VACUUM CONCENTRATOR



## YOUR BENEFITS

- Pump a wide range of solvent and acid vapours
- Improved ultimate vacuum – evaporate high boiling point solvents
- Perform more work – up to 30% faster process times

## ORDERING INFORMATION

Model	Pumping Speed L/MIN	Ultimate Pressure MBAR	Tubing Needed	Dimensions LxWxH MM	Weight KG	CAT. No.
Chemical Duty Diaphragm Vacuum Pump, GKDDP, 230 V, 50/60 Hz	33	5	DN 8/ DN 16 KF flange	230x265x169	11.2	GKDDP

Scope of delivery: Chemical duty diaphragm pump, ON/OFF switch, motor overload protection, DN8 hose nozzle adapter, carry handle and vibration isolating feet. Schuko and UK plug leads.

## ACCESSORIES

Description	CAT. No.	Image
NEW Digital Vacuum Controller VCpro 601 benchtop, 1100 -1 mbar, 115-240V, 50/60Hz with Schuko, UK & US plug lead	GKVCPRO	
Vacuum Regulator with Dial Gauge for GKDDP	GKVR	
Vacuum Oven connection kit, DN 16+25 KF, with DN 8 red rubber vacuum hose, flange/hose nozzle adapters, clamping and centring rings	GKCK	



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