



Chemistry diaphragm vacuum pump, self-drying for moist gases, SD 820



Dual-head, dry running diaphragm pump with an integrated self-drying system. There is a wide range of applications for this pump in laboratories, especially whenever clean vacuum is required and moist gases must be pumped down. Examples include operation of vacuum drying chambers (for drying or heat-treating substances and components) or steam sterilisers for sterilising instruments, vessels, filters and textiles. This pump can be used in a wide range of applications due to the pump's high resistance to aggressive media. The pump includes a PTFE coated diaphragm with patented tension optimisation, which allows the pump to be smaller and prolongs the service life of the diaphragm. The innovative self-drying system allows condensed liquid to be blown out of the pump heads at high speed during evacuation. The vacuum in the vacuum chamber remains constant. The drying cycle can be adjusted to the requirements of the individual process using three variables. After drying the pump reaches a better vacuum and is able to evacuate significantly faster compared with pumps without a drying system.

- Pure transfer and evacuation
- Highly compatible with moist gases and vapours
- Maintenance-free
- Environmentally friendly

Delivery information: Includes the diaphragm pump with thermal switch, mains fuse, connecting cable with plug and hose connector for hose with 10 mm internal diameter.

Model	SD 820
Flow rate (l/min)	20
Working overpressure (bar)	1
Final pressure (abs.) (mbar)	10
Protection class	IP 44
Permitted gas and ambient air temperature	+5...+40 °C
WxDxH (mm)	312x220x177
Weight (kg)	9,6

Model	Pk	Cat. No.
SD 820	1	181-0094

* Flow rate at atmospheric pressure



Membrane dry vacuum pump/compressor, VP 80 and VP 130



The VCP 80 and VP 130 can be used as vacuum and pressure pumps and set a standard for efficient vacuum utility. Use these pumps for affordable vacuum in applications where corrosion resistance is not required. The pumps can be used for vacuum filtration of aqueous solutions or aqueous fumes including buffers but they are not recommended for pumping acidic, basic, or organic fumes.

These VWR Collection vacuum/pressure pumps are designed for continuous unattended operation and have two dial gauges with manual regulators to be able to adjust and to easily monitor the required vacuum or pressure level.

- Vacuum and pressure pump all in one
- WOB-L[®] piston technology
- Compact, easy to clean, easy handling
- Easy monitoring and vacuum regulation
- Lightweight construction

Delivery information: Delivered with EU, UK, CH-plug, instruction manual, vacuum and pressure regulator, vacuum and pressure gauge, silencer and water trap.

Model	VP 80	VP 130
Flow rate (l/min)	38	18
Flow rate (m ³ /h)	2,3	1,1
Vacuum (mbar)	80	133
Final pressure (abs.) (mbar)	5200	7900
Motor output (kW)	0,19	0,093

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