



designed for scientists



VACSTAR lite

/// Fiche technique

VACSTAR lite is a speed-controlled, 2-cylinder vacuum pump for universal use in dry and oil-free vacuum applications. Equipped with chemically resistant membranes and an ultimate vacuum pressure of 9 mbar, this vacuum pump is ideal for almost all standard vacuum applications in the laboratory.

Optimized for use with rotary evaporators, laboratory reactors, temperature chambers, centrifuges and other laboratory equipment, as well as classic Schlenk line and standard filtration systems, VACSTAR lite offers high operating efficiency and flexibility. The robust design ensures long-term reliability with minimal maintenance, making it an ideal peripheral device for standard laboratory processes.



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Advantages and technical features:

- Compact and thin design: Thanks to its small footprint, VACSTAR lite can be conveniently placed behind other lab equipment, saving valuable bench space while remaining easily accessible.
- Integrated device communication: The pump enables seamless communication between devices such as vacuum controllers and circulators, ensuring synchronized laboratory processes. This feature optimizes process control and increases overall system performance.
- Longer system life: In combination with the VC 10 lite vacuum controller, the system has an integrated valve cleaning function that removes solvent residues and thus extends the life of the vacuum system. Regular ventilation prevents the build-up of contamination and reduces maintenance costs.

The use of the VSE 1 emission condenser (available as an accessory) is recommended. This ensures the safety of users from escaping solvent vapors and at the same time keeps the ambient air clean.



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Données techniques

Débit max. (50/60 Hz) [m³/h]	1
taux de pompage min. (50/60Hz) [l/min]	16.67
Pression finale sans lest d'air [mbar]	9
Niveaux d'aspiration	2
Cylindre	2
Diamètre du connecteur côté aspiration [mm]	8
Diamètre du connecteur côté pression [mm]	8
Pression d'entrée [mbar]	10 - 1030
Plage de vitesse [rpm]	285 - 1100
Vitesse (50Hz) [rpm]	1100
Vitesse (60Hz) [rpm]	1100
Vitesse nominale [rpm]	1100
Affichage	ligne-DEL
bruit à basse pression [dB(A)]	54
Matériel en contact avec le produit	Al2O3; PTFE; FFPM; PPS; NBR
Matériau du boîtier	Revêtement aluminium moulé / polymère thermoplastique
Dimensions (L x H x P) [mm]	115 x 292 x 280
Poids [kg]	8.5
Plage de température du milieu admise [°C]	5 - 40
Humidité relative admissible	80 % (jusqu'à 31 °C), diminuant linéairement jusqu'au maximum 50 (@40 °C)
Protection selon DIN EN 60529	IP 20
Interface numérique USB	USB-C
Entrée analogique	oui
Tension [V]	100-240
Fréquence [Hz]	50/60
Puissance absorbée de l'appareil [W]	120
Puissance absorbée de l'appareil Standby [W]	1.5
Fusible	2x T4A 250V