

Chemistry-HYBRID pump RC 6 Vacuubrand



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Product Data

The RC 6 chemistry-HYBRID pump is a combination of a two-stage rotary vane pump and a two-stage chemistry diaphragm pump for optimized corrosion resistance. The diaphragm pump maintains the oil reservoir under vacuum in order to keep the partial pressures of solvent vapors at levels below their condensation points and to reduce largely the concentration of oxygen and corrosive gases. Therefore the RC 6 chemistry-HYBRID pump has a much higher solvent vapor pumping capability and resistance to aggressive gases than conventional rotary vane pumps.

Performance features

- reduced internal corrosion, even when working with corrosive vapors
- oil changes typically reduced 90% or more compared with rotary vane pumps alone
- most economical solution: In practical operation a cold trap is often no longer necessary
- ease of maintenance due to telescopic design

Technical data

- Max. pumping speed 50 Hz: 5.9 m³/h
- Max. pumping speed 60 Hz: 4.1 cfm
- Ultimate partial vacuum (abs.) without gas ballast: 4 x 10⁻⁴ mbar
- Ultimate vacuum: 2 x 10⁻³ mbar / 1.5 x 10⁻³ torr
- Ultimate vacuum with gas ballast: 1 x 10⁻² mbar / 0.75 x 10⁻² torr
- Number of heads: 2
- Number of stages: 2 + 2
- Water vapor tolerance with gas ballast: >> 40 mbar
- Lower ambient temperature (operation): 12 °C
- Upper ambient temperature (operation): 40 °C
- Lower ambient temperature (storage): -10 °C
- Upper ambient temperature (storage): 60 °C
- Max. back pressure (abs.): 1.1 bar
- Oil capacity (B-Oil) min.: 0.34 l
- Oil capacity (B-Oil) max.: 0.50 l
- Inlet connection: small flange KF DN 16
- Outlet connection: Hose nozzle DN 8-10 mm
- Rated motor power: 0.3 kW
- Rated motor speed at 50/60 Hz: 1500/1800 min⁻¹

- Protection class IEC 60529: IP 40
- Dimension L in mm: 526 mm
- Dimension B in mm: 302 mm
- Dimension H in mm: 226 mm
- Weight: 25 kg
- Noise (sound pressure level) in dBA at 50 Hz or 1500 rpm/62% (VARIO)/1500 rpm (VARIO-SP)/12500 Upm (VACUU-PURE®): 50 dBA
- NRTL certification: No
- Items supplied: Pump completely mounted, ready for use after oil filling (bottle 0.5 l enclosed), with manual.
- Rated mains voltage range 1: 230 V
- Mains frequency 1: 50-60 Hz

Item No.	type no.	Price
17.7985.61	RC 6	CHF 6'790.00

Accessories

Item No.	Description	Price
5.6199.03	Laboratory grease glisseal®	from CHF 26.00
17.6120.89		from CHF 0.30
15.2738.00	Vacuum hose rubber	from CHF 3.85
17.9988.70	Accessories chemistry pumping unit RC 6 Vacuubrand	from CHF 15.10

* The prices are non-binding and are to be understood as selling prices in Swiss francs without value added tax (VAT), as well as all other fees, charges and taxes. The prices displayed in the eShop may differ from the PDF file due to regular updates.

** Please note that when ordering chemicals and detergents, transport and packaging costs for hazardous goods as well as legally prescribed fees are charged. These will be shown in detail on the order confirmation, which you will receive in addition to the confirmation of receipt.

*** Further information such as technical information and safety data sheets can be found online in our eShop.

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