Technical data

Type		PC 2001 VARIO
Max. pumping speed (according to DIN 28432)	m^3/h	1.6
Ultimate (total) vacuum (absolute) at 1500 rpm	mbar	2
Ultimate (total) vacuum (absolute) with gas ballast at 1500 rpm	mbar	4
Max. permitted pressure at the outlet (absolute)	bar	1.1
Permitted ambient temperature at storage operation	 °C °C	 -10 to +60 +10 to +40
Permitted relative atmospheric moisture during operation (no condensation)	%	30 to 85
No-load speed*	min^{-1}	0 - 2200
Max. current 100 V~ 230 V~	 A A	 2.8 0.85
Power draw 100 V~ 230 V~	 VA VA	 280 200
Max. permitted range of voltage supply **(see rating plate!)**		100-120 V~ +5/-10% 50/60 Hz 230 V~ +/-10% 50/60 Hz
Motor protection		temperature sensor on the pcb (current limitation)
Degree of protection		IP 20
Inlet		hose nozzle NW 6/10
Outlet		hose nozzle NW 10
Dimensions L x W x H	mm / approx.	320 x 290 x 480
Mass	kg / approx.	10

*** Note:**
Information: In a motor speed range between **0 and 350 rpm** the pump runs automatically in a temporal clocking interval operation.

We reserve the right for technical modifications without prior note!

Controller	CVC 2000
Pressure transducer	external, capacitive absolute pressure transducer made of aluminiumoxide ceramic
Electronic scale conversion (to be switched between)	mbar, Torr or hPa
Measurement range	1 mbar - 1100 mbar (1 Torr - 825 Torr)
Max. pressure control range*	1 mbar - 1060 mbar (1 Torr - 795 Torr)
Operation frequency range of the motor	1.0 - 60.0 Hz at steps of 0.5 Hz and additional "HI" (max.75 Hz)
Uncertainty (with transducer carefully calibrated and at constant temperature)	<+/-1 mbar (1 Torr) +/-1 digit
Temperature coefficient	<+/- 0.07 mbar/K (0.05 Torr/K)
Degree of protection pressure transducer according to IEC 529	IP 54
Max. permitted pressure at the pressure transducer (absolute)	2 bar (1500 Torr)
Max. permitted temperature of gaseous media	for short periods up to 80°C
Serial interface	RS 232 C

* The actual pressure control range in your special application might be reduced due to ultimate vacuum of the pump, quantity of gas occurring etc.

Components	Wetted parts
Pumping unit	
Outlet	PBT
Inlet	PBT
Hose	PTFE
Fitting	ETFE
O-rings at the catchpot	FPM (e. g. Viton®*)
Overpressure safety relief device	silicon rubber
Catchpot cover plate	PE
Exhaust waste vapour condenser, collecting flask	borosilicate glass
Pump	
Housing cover insert	PTFE
Head cover	ETFE
Diaphragm clamping disc	PFA
Valve	FFKM (e. g. Kalrez®*)
Diaphragm	PTFE-NBR (e. g. Perbunan®**) sandwich
VSK 5	
Seal	FPM (e. g. Viton®*)
Pressure transducer housing	PTFE duroplastic reinforced on stainless steel
Pressure transducer	Aluminiumoxide ceramic

* reg. trade mark Du Pont
** reg. trade mark Bayer AG

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