

Data Sheet (EN)

Designation, Model	Order no.
Diaphragm pump, chemically resistant Models: MPC 1203 E (230V)	415741

Figure	Description
	<p>The diaphragm pump consists of a pump body and a drive motor.</p> <p>The pump casing contains the drive unit and four pump heads. Each pump head contains a diaphragm and two work valves.</p> <p>The four pump heads are arranged in parallel.</p> <p>The pump heads are driven via an eccentric shaft with a connecting rod.</p>

Application
<p>The Diaphragm pump MPC 1203 E is intended to:</p> <ul style="list-style-type: none"> • Pumping and compressing neutral and aggressive gases and vapours according to the resistance of the indicated materials. • Generating a vacuum down to an ultimate pressure < 55.0 mbar. • Use in physical and chemical laboratories in trade and industry. • Use for vacuum filtration, vacuum distillation and vacuum drying, and other vacuum technology applications.

Dimensional drawing	Intake pressure- / Pumping speed - Diagram												
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Fig. 3-1 Front view of device</p> </div> <div style="text-align: center;"> <p>Fig. 3-2 Left view of device</p> </div> </div> <p>ⓘ The main dimensions are identical for all models listed here.</p> <table border="1"> <thead> <tr> <th>Pos.</th> <th>Parameters</th> <th>Data</th> </tr> </thead> <tbody> <tr> <td>a</td> <td>Width</td> <td>≤ 250 mm</td> </tr> <tr> <td>W</td> <td>Depth</td> <td>≤ 390 mm</td> </tr> <tr> <td>c</td> <td>Height</td> <td>≤ 185 mm</td> </tr> </tbody> </table>	Pos.	Parameters	Data	a	Width	≤ 250 mm	W	Depth	≤ 390 mm	c	Height	≤ 185 mm	
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Technical Data		
Parameter	Data	Unit
Pumping speed ISO 21360-1 1000mbar pumping speed	8.0	m ³ /h
	136	l / min
Ultimate pressure	≤ 55.0	mbar
Ultimate pressure with gas ballast	≤80.0	mbar
Max. Inlet-/Outlet pressure	≤1100	mbar
Intake port	Small flange DN 16 KF <i>optionally enclosed: Hose nozzle DN 8 for hose inside diameter 8-10 mm</i>	-
Exhaust port	Hose nozzle DN 8 for hose inside diameter 8 mm	
Ambient temperature	+ 10 to + 40	°C
Max. operating gas temperature	+ 40	
Bearing	maintenance-free	-
Reference surface sound pressure level EN ISO 2151	≤ 44	dB (A)
Rated Voltage	230	V
Rated Frequency	50/60	Hz
Rated current (50/60Hz)	2.0/2.9	A
Storage humidity	<90%	-
Protection class EN 60034-5	IP 54/40	
Weight	18.3	kg
Dimensions W/D/H	250 / 390 / 185	mm

Accessories			
	Vacuum Control Box Model: VCpro 601 for measuring and regulation of vacuum 1100 – 1 mbar Order no. 600100		Vacuum Regulator with dial gauge Model: DBR-A with hose nozzle DN 8, Connection: G1/4" - M12 x 1 to pressure adjustment - suction side Order no. 700458
	Vacuum hose, Rubber 18 / 8 x 5 Order no. 828310-4		