
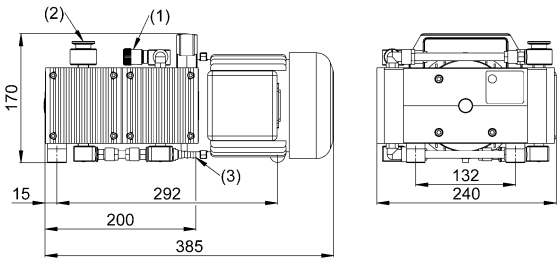
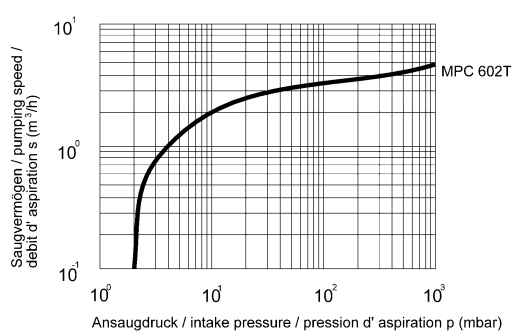



# Data Sheet (EN)

Designation, Model	Order no.
Diaphragm pumps, chemical resistant Models: MPC 603 T (230V)	415743




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>Two pump heads are arranged opposite each other.</p> <p>The pump heads are driven via an eccentric shaft with a connecting rod.</p>

Application
<p><b>The Diaphragm pump MPC 603 T is intended to:</b></p> <ul style="list-style-type: none"> <li>• Pumping and compressing neutral and aggressive gases and vapours according to the resistance of the indicated materials.</li> <li>• Generating a vacuum down to an ultimate pressure &lt; 1.5 mbar.</li> <li>• Use in physical and chemical laboratories in trade and industry.</li> <li>• Use for vacuum filtration, vacuum distillation and vacuum drying, and other vacuum technology applications.</li> </ul>

Dimensional drawing	Intake pressure- / Pumping speed - Diagram
 <p>(1) Gas ballast valve (2) Intake port (3) Exhaust port</p>	 <p>MPC 602T</p>

 <p>by Gardner Denver</p>	<p><b>Gardner Denver Thomas GmbH</b> Am Vogelherd 20 98693 Ilmenau Germany</p>
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Technical Data		
Parameter	Data	Unit
Pumping speed DIN 28432	4.0	m <sup>3</sup> /h
	66	l / min
Ultimate pressure	< 1.5	mbar
Ultimate pressure with gas ballast	4	
Max. Inlet-/Outlet pressure	1	bar
Intake port	Small flange DN 16 KF <i>optionally enclosed: Hose nozzle DN 8 for hose inside diameter 8 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 DIN EN ISO 2151	< 44	dB (A)
Voltage	230	V
Frequency	50/60	Hz
Rotation speed	1500	min <sup>-1</sup>
Motor power	370	W
Operating mode	S 1	-
Type of protection DIN EN 60529	IP 54	
Motor / Class of insulation DIN EN 600034-1	F (160°C)	
Weight	17.8	kg
Dimensions W/D/H	240 / 385 / 170	mm

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



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The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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