


Data Sheet (EN)

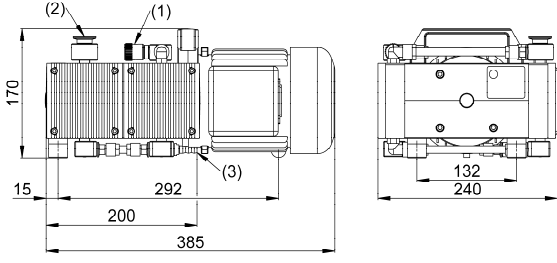
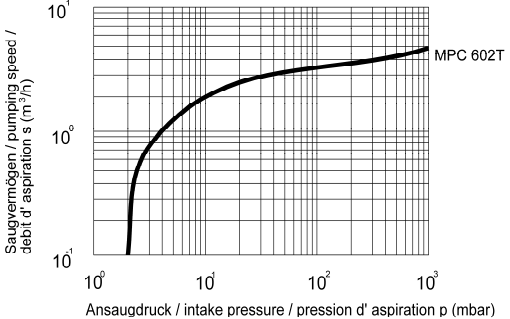
Translation of the german original

WELCH
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Designation, Model	Order no.
Diaphragm pumps, chemical resistant Models: MPC 602 T (230V, 115V)	414743, 414743-01

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 form diaphragm and two work valves. Two pump heads are arranged opposite each other. The pump heads are driven via an eccentric shaft with a connecting rod.</p>

Application
<p>The Diaphragm pump MPC 602 T 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 < 2 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
 <p>(1) Gas ballast valve (2) Intake port (3) Exhaust port</p>	 <p>Saugvermögen / pumping speed / debit of aspiration s (m³/h)</p> <p>Ansaugdruck / intake pressure / pression d' aspiration p (mbar)</p>

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The information presented in this material is based on technical data and test results of nominal units. It is believed to be accurate and reliable and is offered as an aid to help in the selection of products. It is the responsibility of the user to determine the suitability of the product for the intended use and the user assumes all risk and liability whatsoever in connection therewith. Gardner Denver Thomas GmbH does not warrant, guarantee or assume any obligation or liability in connection with this information.

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Technical Data		
Parameter	Data	Unit
Pumping speed DIN 28432	4.9 / 5.9	m ³ /h
	82 / 98	l / min
Ultimate pressure	< 2	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; 115	V
Frequency	50/60	Hz
Rotation speed	1500	min ⁻¹
Motor power	370	W
Operating mode	S 1	-
Type of protection DIN EN 60529	IP 54	
Motor / Class of insulation DIN EN 60034-1	F (160°C)	
Type Examination Certificate no.	WELCH_ATEX_03-01	
Designation EX	 II3G IIC T3 X (internal Atm. only)	
Weight	17.8	kg
Dimensions W/D/H	240 / 385 / 170	mm

Accessories			
	<p>Vacuum Control Box Model: VCB 521 cv</p> <p>for measuring and regulation of vacuum</p> <p>Order no. 600053</p>		<p>Vacuum Regulator with dial gauge Model: DBR-A</p> <p>with hose nozzle DN 8, Connection: G1/4" - M12 x 1 to pressure adjustment - suction side</p> <p>Order no. 700458</p>
	<p>Vacuum hose, Rubber 18 / 8 x 5</p> <p>Order no. 828310-4</p>		<p>Exhaust silencer Connection: 1/8"</p> <p>Order no. 829901</p>