

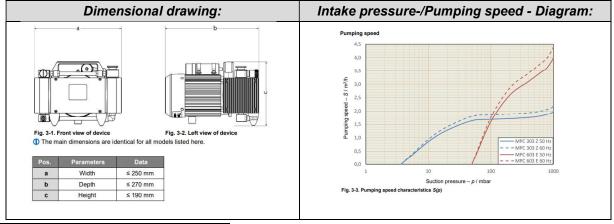
Data Sheet (EN)

Translation of the german original

Designation, Model:	Order number:
Diaphragm pumps, chemical resistant <i>Models:</i> MPC 303 Z 230v	415722
MPC 603 E 230v	415721

Figure:	Description:
	The diaphragm pump consists of a pump body and a drive motor. The pump casing contains the drive unit and two pump heads. Each pump head contains a moulded diaphragm and two work valves. Both pump heads are arranged opposite each other. The pump heads are driven via an eccentric shaft with a connecting rod.

Application:	Materials ot the medium-affecting pump parts:		
The Diaphragm pumps MPC 303 Z and MPC 603 E are intended for:			
	PTFE - Form moulded diaphragms		
 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 < 5 mbar. Use in physical and chemical laboratories in trade and industry. 	PTFE - Pump heads		
	PTFE - Vacuum hose		
	PEEK - Valves		
	EPDM - Seals		
	PVDF - Screw fittings		
Use for vacuum filtration, vacuum distillation and vacuum drying, and other vacuum technology applications.			







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Technical data:				
Parameter	MPC 603 E	MPC 303 Z	Unit	
Pump stages	1	2	-	
Pumping speed DIN 28432	4.0 / 4.4	2.0 / 2.2	m³/h	
	66 / 73	33 / 36	I / min	
Ultimate pressure	< 55	< 5	mbar	
Ultimate pressure with gas ballast	80	8	– mbar	
Max. Inlet-/Outlet pressure	≤1100		mbar	
Intake port	Small flange DN 16 KF optionally enclosed Hose nozzle DN 8 for hose inside diameter 8 mm		_	
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 ⁻¹	
Motor power	180		W	
Operating mode	S 1			
Type of protection DIN EN 60529	IP 54/40		_	
Class of insulation DIN EN 600034-1	F (160°C)			
Weight net/(gross)	11.2/(13.0)		kg	
Dimensions W/D/H	250 / 270 / 190		mm	

Accessories:					
- O	Vacuum Control Box Model: VCpro 601 for measuring and regulation of vacuum 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 mm Order no. 828310-4		Exhaust silencer Connection: 1/8" Order no. 829901		



Gardner Denver Thomas GmbH

Am Vogelherd 20 98693 Ilmenau Germany T +49 3677 604 0 F +49 3677 604 131 welch.emea@irco.com www.welchvacuum.com Customer Support +49 3677 604 0

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