Data Sheet (EN)

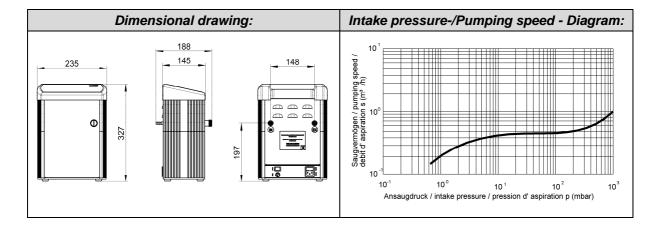


Translation of the german original

Designation, Model:	Order number:
Diaphragm pump chemical resistant, MPC 105 T	412443-02

Figure:	Description:
WE 1535	The three-stage diaphragm pump with gas ballast valve consists of a pump body, a drive motor and a casing. The pump body consists of an eccentric, four connecting rod and four pump heads. Each pump head contains a diaphragm and two work valves. The pump heads are arranged in 180° opposite each other. The pump heads are driven via the motor and the eccentric with a connecting rod. The intake connection and the exhaust connection are located directly on the pump head and are designed as hose nozzle DN8 for an inside hose diameter of 8 mm. Opening the gas ballast valve in the suction line allows air to flow into the pump chamber. This prevents condensation and flushes the pump clear. Operation leads to increasing the ultimate pressure and the operating temperature.

Application:	Materials ot the medium-affecting parts:		
The Diaphragm pump MPC 105 T is intended to:	Seals	EPDM	
 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 	Screw fittings / Connection elements	PVDF, PP	
	Valves	PEEK	
	Diaphragms	Elastomer with PTFE layer	
	Vacuum hoses	PTFE	
	Connection heads / Pump heads	PTFE with carbon- fibre reinforcing	



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Technical data:			
Parameter	Data	Unit	
Pumping speed DIN 28432	1.2	m³/h	
	20	I / min	
Ultimate pressure	2	mbar	
Max. Inlet pressure	1	bar	
Max. Outlet pressure	unpressurised		
Intake port / Exhaust port	Hose nozzle DN 8 for hose inside diameter 8 mm	-	
Ambient temperature	+ 10 to + 40	- °C	
Max. Operating gas temperature	+ 40	7 ~	
Bearing	maintenance-free	-	
Noise level DIN EN ISO 2151	< 45	dB (A)	
Voltage, Frequency	24	V DC	
	90260, 50/60		
	Power pack external (electrical connection by means of a hollow plug)	V AC, Hz	
Rated current	5.6	Α	
Rotation speed	1350	min ⁻¹	
Operating mode	S 1		
Type of protection DIN EN 60529	IP 44	-	
Class of insulation DIN EN 600034-1	F (160°C)		
Weight	6.5	kg	
Dimensions W/D/H	235 / 145 / 327	mm	

Accessories: Vacuum Regulator **Vacuum Control Box** with dial gauge, analog / digital Model: VCB 521 cv Model: DBR-P for measuring and with hose nozzle DN8 regulation of vacuum to pressure adjustment - suction side With the help of this dosing block it is Order no. 600053 possible to regulate the final pressure of the pump. Vacuum hose, Rubber You can see the actual pressure at 18 / 8 x 5 mm the dial gauge (manometer). For mounting of diaphragm pump. Order no. 828310-4 Mounting: clamping connection over **Exhaust silencer** nut of the side profiles Connection: 1/8" Order no. 700459 Order no. 829901 Order no. 700459-01 (digital)



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(analog)