

Data Sheet (EN)

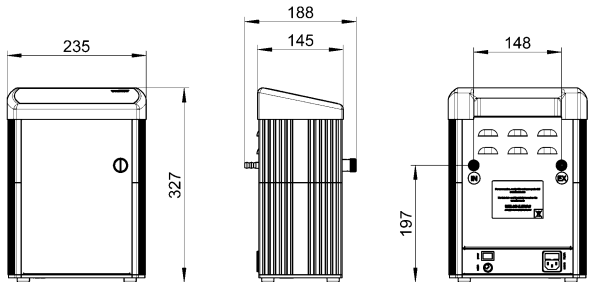
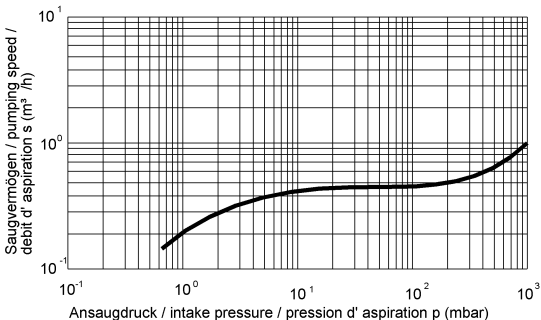
Translation of the german original

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Designation, Model:	Order number:
Diaphragm pump chemical resistant, MPC 095 Z	412422-02

Figure:	Description:
	The two-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 of the medium-affecting parts:	
The Diaphragm pump MPC 095 Z is intended to: - 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 - Use for vacuum filtration, vacuum distillation and vacuum drying, and other vacuum technology applications	Seals	EPDM
	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

Dimensional drawing:	Intake pressure-/Pumping speed - Diagram:
	

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Technical data:		
Parameter	Data	Unit
Pumping speed DIN 28432	0.9	m ³ /h
	15	l / min
Ultimate pressure	5	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	
Bearing	maintenance-free	-
Noise level DIN EN ISO 2151	< 45	dB (A)
Voltage, Frequency	24	V DC
	90...260, 50/60	V AC, Hz
	Power pack external (electrical connection by means of a hollow plug)	
Rated current A	1.2 (24V DC)	A
Rated Power W	20 (230v V AC)	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	6.15	kg
Dimensions W/D/H	235 / 189 / 227	mm

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

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