

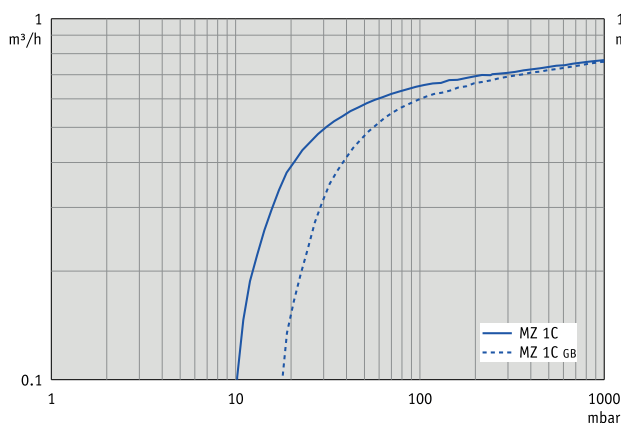
- ✦ outstanding chemical resistance and superior vapor tolerance
- ✦ convenient, quick and simple to use due to the new top mounted power switch
- ✦ optimized vacuum even with gas ballast for continuous purge
- ✦ whisper quiet and very low vibration
- ✦ maintenance-free drive system and proven long diaphragm life



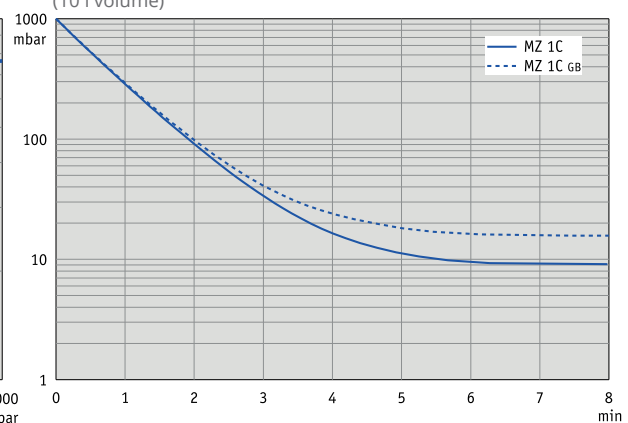
MZ 1C

Chemistry-design diaphragm pumps are an excellent solution for continuous, oil-free pumping of corrosive gases and vapors. The two-stage construction provides the advantageous combination of high pumping speed and low ultimate vacuum. All major parts in contact with pumped media are made of chemically resistant fluoroplastics. Well-proven PTFE-sandwich diaphragms increase reliability and extend operating life. The MZ 1C pump is equipped with a gas ballast valve for continuous condensate purge increasing the pumping capability of condensable vapors. It features slim design for space-saving installation and good vacuum performance. A manual vacuum regulator valve with dial gauge for adjustment of pumping speed and ultimate vacuum is available as accessory.

Pumping speed graph at 50 Hz
with/without gas ballast



Pump down graph at 50 Hz
with/without gas ballast
(10 l volume)



CHEMISTRY DIAPHRAGM PUMPS

TECHNICAL DATA	MZ 1C
Number of heads / stages	2 / 2
Max. pumping speed 50/60 Hz	0.75 / 0.9 m ³ /h
Ultimate vacuum (abs.)	12 mbar
Ultim. vac. (abs.) with gas ballast	20 mbar
Max. back pressure (abs.)	1.1 bar
Inlet connection	Hose nozzle DN 8-10 mm
Outlet connection	Hose nozzle DN 8-10 mm
Rated motor power	0.06 kW
Degree of protection	IP 40
Dimensions (L x W x H), approx.	312 x 121 x 170 mm
Weight, approx.	6.7 kg

ACCESSORIES

Chemistry vacuum regulator valve unit for ME/MZ 1C
(696843)
Rubber vacuum tubing DN 8 mm (686001)

ITEMS SUPPLIED

Pump completely mounted, ready for use, with manual.

ORDERING INFORMATION

MZ 1C

230 V ~ 50-60 Hz	CEE	Ex*	724100
230 V ~ 50-60 Hz	UK, IN	Ex*	724102
100-120 V ~ 50-60 Hz	US		724103
100-120 V ~ 50-60 Hz / 200-230 V ~ 50-60 Hz		EX*	**724105
230 V ~ 50-60 Hz	CN	Ex*	724106

Ex*: ATEX: II 3G IIC T3 X, Internal Atm. only
**Please order power cable separately