

Technical data

Type		ME 8	MZ 4	MD 4	MV 2
Max. pumping speed 50/60 Hz (ISO 21360)	m ³ /h	7.2/7.8	3.7/4.3	3.3/3.8	1.9/2.2
Ultimate vacuum (absolute)	mbar	< 80	9	2	0,6
Max. permissible outlet pressure (absolute)	bar	2	2	1.1	1.1
Max. pressure difference between inlet and outlet	bar	2	2	1.1	1.1
Permissible ambient temperature storage / operation	°C	10 to +60 / +10 to +40			
Permissible relative atmospheric moisture during operation (no condensation)	%	30 to 85			
Power	W	200	200	200	200
No-load speed 50/60 Hz	min ⁻¹	1500/1800	1500/1800	1500/1800	1500/1800
Rated current at 100 V~ 50/60 Hz	A	-	-	3.8/4.8	3.8/4.8
120 V~ 60 Hz	A	4.2	4.2	4.2	4.2
200-208 V~ 50/60 Hz	A	-	-	1.8/2.2	1.8/2.2
230 V~ 50/60 Hz	A	1.7/1.9	1.7/1.9	1.7/1.9	1.7/1.9
100-120 V~ 50/60 Hz*	A	4.0/4.2	-	4.0/4.2	4.0/4.2
200-230 V~ 50/60 Hz*	A	2.0/2.1	-	2.0/2.1	2.0/2.1
Maximum permissible range of supply voltage Attention: Observe specifications of rating plate		100 V~ +/-10% 50/60 Hz 120 V~ +5%/-10% 60 Hz 200-208 V~ +/-10% 50/60 Hz 230 V~ +/-10% 50/60 Hz 100-120 V~ +5/-10% 50/60 Hz* 200-230 V~ +/-10% 50/60 Hz*			
Motor protection		thermal cutout			
Degree of protection IEC 529		IP 20	IP 20	IP 20	IP 20
Inlet		hose nozzle NW 10		small flange NW 16	
Outlet		silencer			
Dimensions L x W x H	mm	315 x 235 x 203	315 x 235 x 200	315 x 235 x 180	315 x 235 x 178
Weight approx.	kg	15.8	15.5	15.6	15.8

* Pump with dual-voltage motor (100-120/200-230 V 50/60 Hz)

We reserve the right for technical modification without prior notice!

Components	Wetted parts
housing cover	aluminium alloy (AlSi12)
head cover	aluminium alloy (AlSi12)
diaphragm clamping disc	aluminium alloy (AlSi12)
diaphragm	FPM
valve	FPM
O-ring (MD 4 / MV 2)	FPM
hose nozzle	stainless steel
small flange	stainless steel
silencer	PA / PE
hose	PE
fitting	aluminium, anodized
seal (ME 8 / MZ 4)	PVC
seal (MD 4 / MV 2)	FPM

We reserve the right for technical modification without prior notice!

Gas inlet temperatures:

Operating condition	Inlet pressure	Permitted range of gas temperatures at inlet
Continuous operation	> 100 mbar (high gas load)	➡ +10°C to +40°C
Continuous operation	< 100 mbar (low gas load)	➡ 0°C to +60°C
Short-time operation (< 5 minutes)	< 100 mbar (low gas load)	➡ -10°C to +80°C