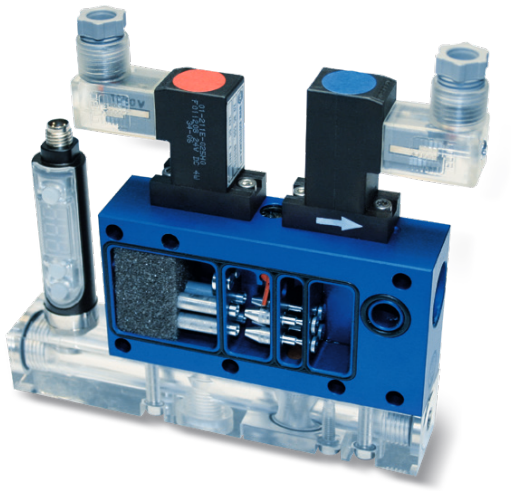
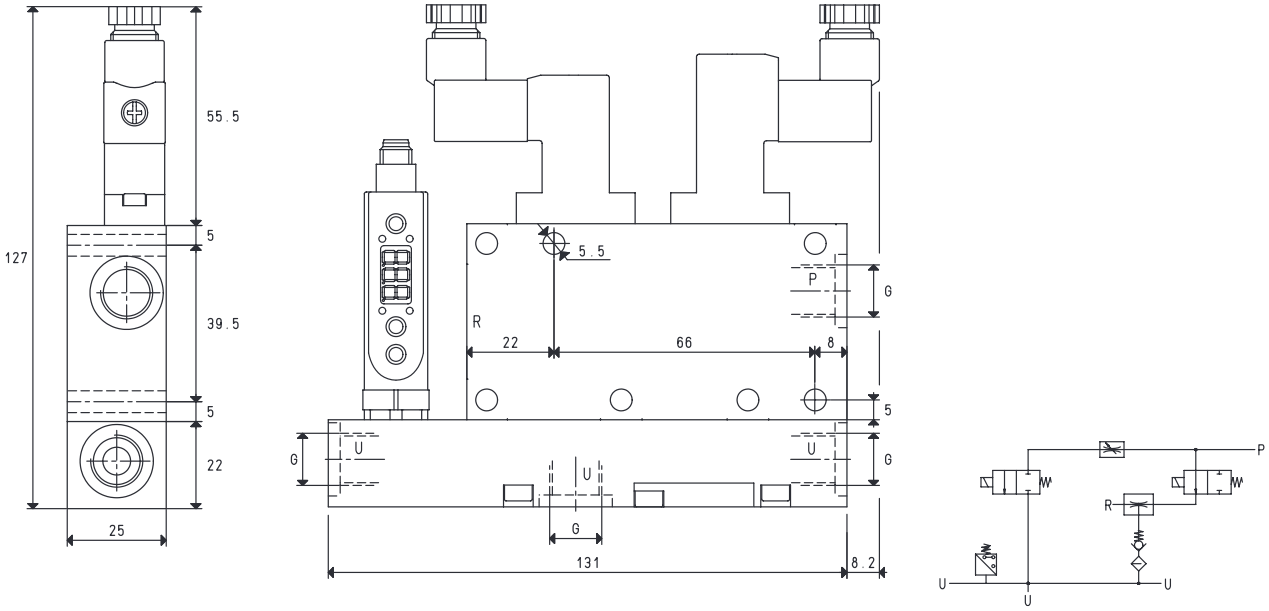




P=COMPRESSED AIR CONNECTION R=EXHAUST U=VACUUM CONNECTION

Item		MI 10			MI 14		
Intake air flow rate	m^3/h	7.5	8.3	9.1	10.1	11.1	12.1
Maximum level of vacuum	-KPa	60	80	85	60	80	85
Final pressure	mbar abs.	400	200	150	400	200	150
Optimal final pressure	mbar abs.			150			150
Supply pressure	bar	3	4	5	3	4	5
Air consumption	Nl/s	1.1	1.4	1.7	1.4	1.7	2.1
Max quantity of air blown at 5 bar	l/min			128			128
Supply solenoid valve position	NO/NC			NO			NO
Electrical absorption	W			2			2
Ejection solenoid valve position	NC			NC			NC
Electrical absorption	W			4			4
Supply voltage	V			24DC			24DC
Vacuum switch output				PNP			PNP
Degree of protection	IP			65			65
Temperature of use	°C			-10 / +60			-10 / +60
Noise level at optimal supply pressure	dB(A)			70			72
Weight	g			410			410
G	Ø			G1/4"			G1/4"

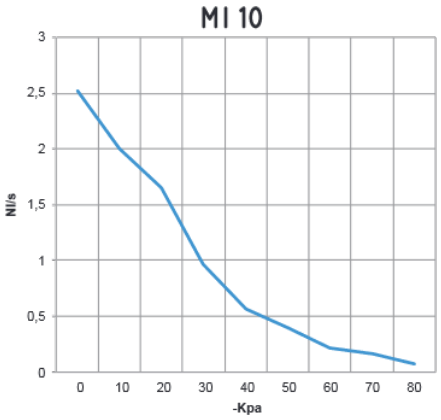
Note: To order a generator without a digital vacuum switch, indicate code MI .. SV.
To order a generator with NC supply solenoid valve, indicate code MI .. NC.
To order a generator with aluminium manifold, indicate code MI .. AL.

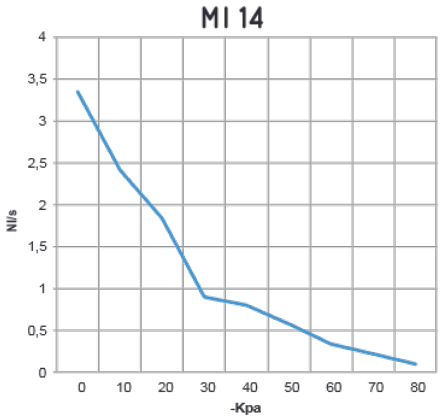
Note: All vacuum values indicated in the table are valid at the normal atmospheric pressure of 1013 mbar and obtained with a constant supply pressure.
Vacuum generator supply must be carried out with non-lubricated compressed air, 5 micron filtration, in accordance with standard **ISO 8573-1 class 4**.

Transformation ratio: N (newton) = Kg x 9.81 (force of gravity) inch = $\frac{mm}{25.4}$; pounds = $\frac{g}{453.6} = \frac{Kg}{0.4536}$ Adapters for GAS - NPT threading available on page 1.130

3D drawings are available on vuototecnica.net

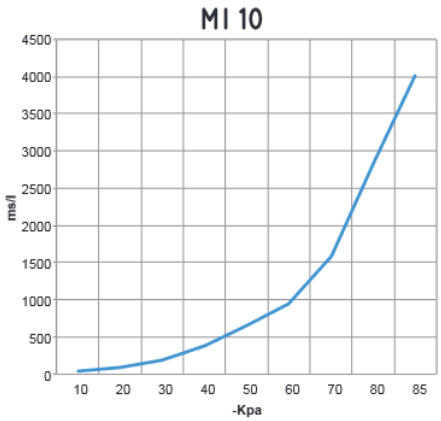
Air flow rate (Nl/s) at different level of vacuum (-KPa) at optimal supply pressure

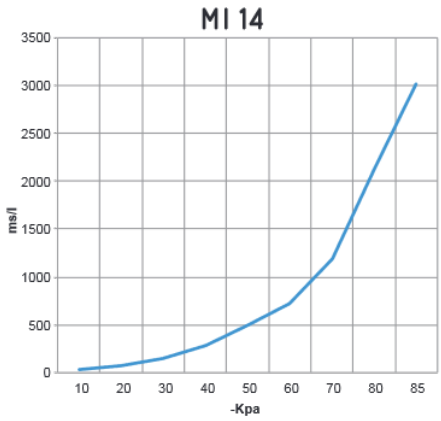




Generator item	Supp. press. bar	Air consumption Nl/s	Air flow rate (Nl/s) at different levels of vacuums (-KPa) at optimal supply pressure									Max vacuum
			0	10	20	30	40	50	60	70	80	-KPa
MI 10	5.0	1.7	2.52	2.00	1.66	0.97	0.56	0.40	0.22	0.16	0.07	85
MI 14	5.0	2.1	3.35	2.42	1.84	0.99	0.80	0.58	0.34	0.22	0.10	85

Evacuation rates (ms/l = s/m³) at different levels of vacuums (-KPa) at optimal supply pressure





Generator item	Supp. press. bar	Air consumption Nl/s	Evacuation rates (ms/l= s/m³) at different levels of vacuums (-KPa) at optimal supply pressure									Max vacuum
			10	20	30	40	50	60	70	80	85	-KPa
MI 10	5.0	1.7	42	97	195	384	651	951	1589	2828	4016	85
MI 14	5.0	2.1	31	72	146	288	489	714	1193	2124	3016	85

ACCESSORIES AND SPARE PARTS UPON REQUEST

Item		MI 10	MI 14
Sealing kit and reed valves	item	00 KIT MI 10	00 KIT MI 14
Exhaust silencer	item	N°2 00 15 150	
Electrical connection cable with axial connector, for vacuum switch	item	00 12 20	
Electrical connection cable with radial connector, for vacuum switch	item	00 12 21	
Set of electrical connection cables, with built-in NO energy saving device and connectors	item	00 15 202	
Set of electrical connection cables, with built-in NC energy saving device and connectors	item	00 15 203	
Digital vacuum switch	item	12 10 10	
NO supply solenoid valve	item	00 15 176	
NC supply solenoid valve	item	00 15 175	