

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

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

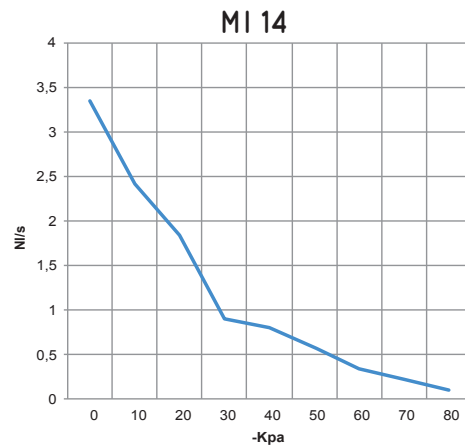
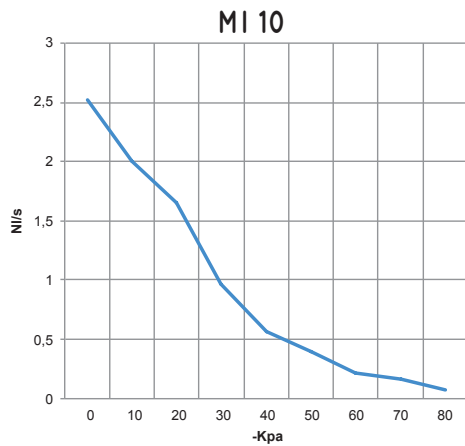
inch =  $\frac{\text{mm}}{25.4}$  ; pounds =  $\frac{\text{g}}{453.6} = \frac{\text{Kg}}{0.4536}$

Adapters for GAS - NPT threading available on page 1.130



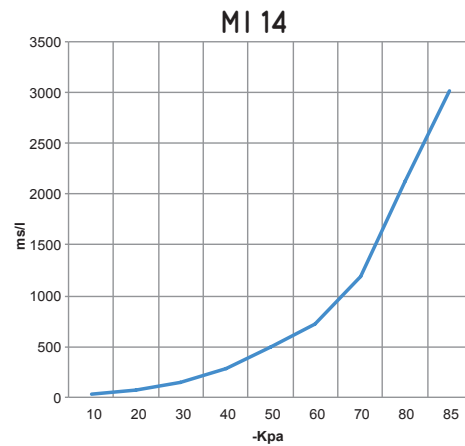
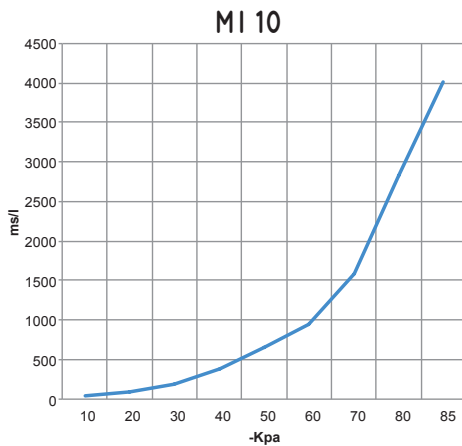
# INTERMEDIATE VACUUM MODULES MI 10 and MI 14

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



Generator item	Supp. press. bar	Air consumption NI/s	Air flow rate (NI/s) at different levels of vacuums (-KPa) at optimal supply pressure										Max vacuum -KPa
			0	10	20	30	40	50	60	70	80		
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/m<sup>3</sup>) at different levels of vacuums (-KPa) at optimal supply pressure



Generator item	Supp. press. bar	Air consumption NI/s	Evacuation rates (ms/l= s/m <sup>3</sup> ) at different levels of vacuums (-KPa) at optimal supply pressure										Max vacuum -KPa
			10	20	30	40	50	60	70	80	85		
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