



# Eurovacuum EVM Series

Membrane Vacuum Pump



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## Membrane Vacuum Pumps

**Eurovacuum** Company is offering its various products to meet industrial vacuum needs.

Eurovacuum Company is founded in 2006, with over 30 year experiences in the vacuum Industry its founders have been putting their best efforts continuously to produce high quality Membrane Vacuum Pumps, with diverse range of capacity for use in the industry and laboratories in diverse applications.

### Advantages to the User

- Suitable for pumping of aggressive gas
- Low noise level
- Air-cooling and dry running, no water or oil required
- Small space requirement, easy to install
- Compact design and light weight
- Continuous running of 24 hours possible
- Diaphragm made of polyfluoroprene, long lifetime
- Accessories available for easy adaptation

### Application Examples

- Medicinal products analysis
- Tenuously chemical engineering
- Biochemical pharmacy
- Mechanical test
- Teaching
- Scientific research
- Criminal investigation
- High-accuracy chromatograms
- Evaporate instruments

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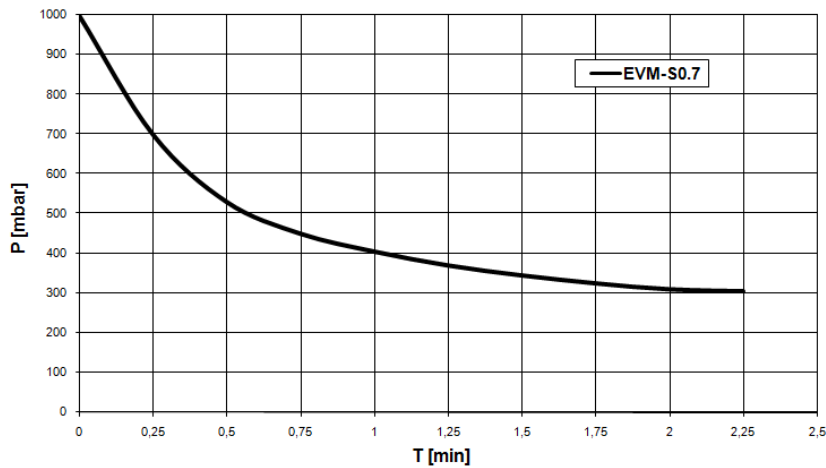
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ING Bank: 67.50.92.655  
IBAN: NL06 INGB 0675 0926 55  
BIC: INGBNL2A

# TYPE EVM-S0.7



**Pumpdown time for 5 ltr vessel**

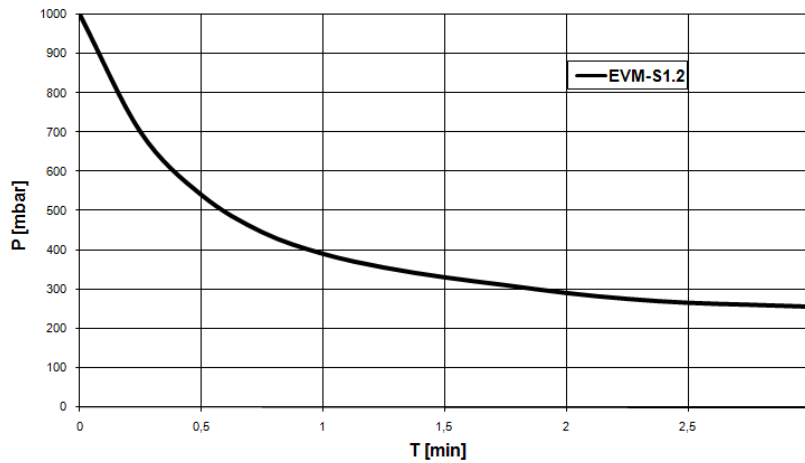


Technical Data		TYPE EVM-S0.7	
		Single head vacuum	
Nominal displacement	m <sup>3</sup> /h	0,72	
Ultimate pressure	mbar	300	
Motor power	W	75	
Pump head		Nylon	
Weight	kg	4,0	
Noise level	dB	< 50	
Admissible ambient temp.	°C	10 to 40	
Connections	mm	6	
Dimensions LxWxH	mm	195x98x156	
Ordering Information		TYPE EVM-S0.7	
Single phase motor 220-240V, 50 Hz (IEC)		621.000	
Accessories		See page 8	

# TYPE EVM-S1.2



**Pumpdown time for 10 ltr vessel**



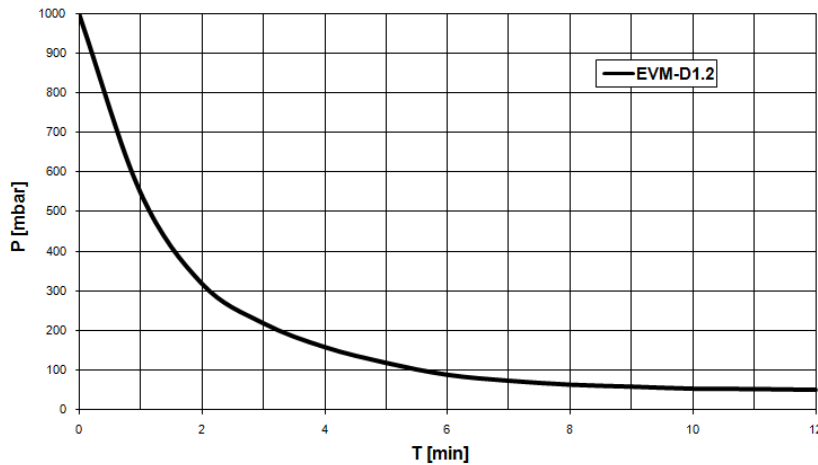
Technical Data		TYPE EVM-S1.2	
		Single head vacuum	
Nominal displacement	m <sup>3</sup> /h	1,2	
Ultimate pressure	mbar	250	
Motor power	W	200	
Material Diaphragm & Valves		HNBR	
Material Pump Head		PTFE coated	
Weight	kg	7,5	
Noise level	dB	< 50	
Admissible ambient temp.	°C	10 to 40	
Connections	mm	6	
Dimensions LxWxH	mm	235x140x210	

Ordering Information		TYPE EVM-S1.2	
Single phase motor 220-240V, 50 Hz (IEC)		622.000	
Accessories		See page 8	

# TYPE EVM-D1.2



**Pumpdown time for 20 ltr vessel**



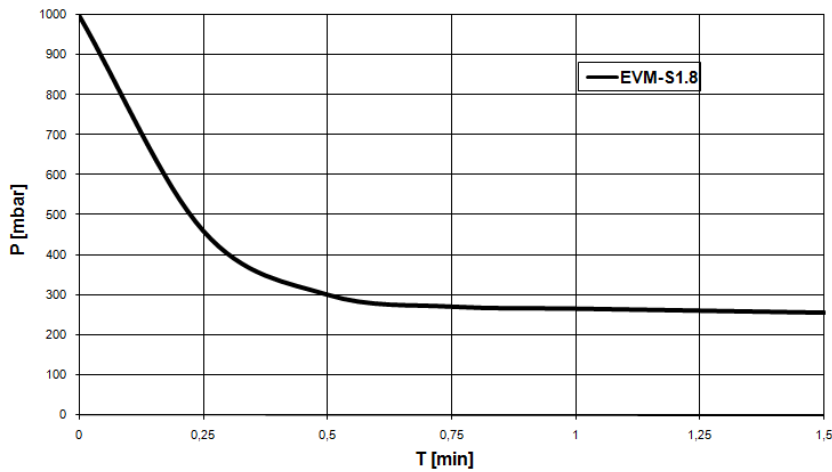
<b>Technical Data</b>		<b>TYPE EVM-D1.2</b>
		<b>Twin head vacuum</b>
Nominal displacement	m <sup>3</sup> /h	1,2
Ultimate pressure	mbar	50
Motor power	W	250
Material Diaphragm & Valves		HNBR
Material Pump Head		PTFE coated
Weight	kg	10
Noise level	dB	< 50
Admissible ambient temp.	°C	10 to 40
Connections	mm	6
Dimensions LxWxH	mm	282x130x210

<b>Ordering Information</b>	<b>TYPE EVM-D1.2</b>
Single phase motor 220-240V, 50 Hz (IEC)	623.000
Accessories	See page 8

# TYPE EVM-S1.8



**Pumpdown time for 10 ltr vessel**



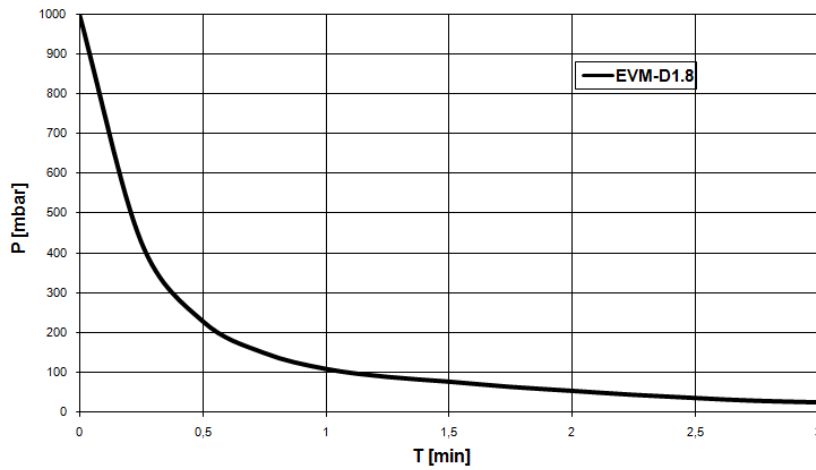
<b>Technical Data</b>		<b>TYPE EVM-S1.8</b>
		<b>Single head vacuum/pressure</b>
Nominal displacement	m <sup>3</sup> /h	1,8
Ultimate pressure	mbar	250
Motor power	W	200
Material Diaphragm & Valves		HNBR
Material Pump Head		PTFE coated
Weight	kg	8,0
Noise level	dB	< 50
Admissible ambient temp.	°C	10 to 40
Connections	mm	6
Dimensions LxWxH	mm	215x165x270

<b>Ordering Information</b>	<b>TYPE EVM-S1.8</b>
Single phase motor 220-240V, 50 Hz (IEC)	624.000
Accessories	See page 8

# TYPE EVM-D1.8



**Pumpdown time for 10 ltr vessel**



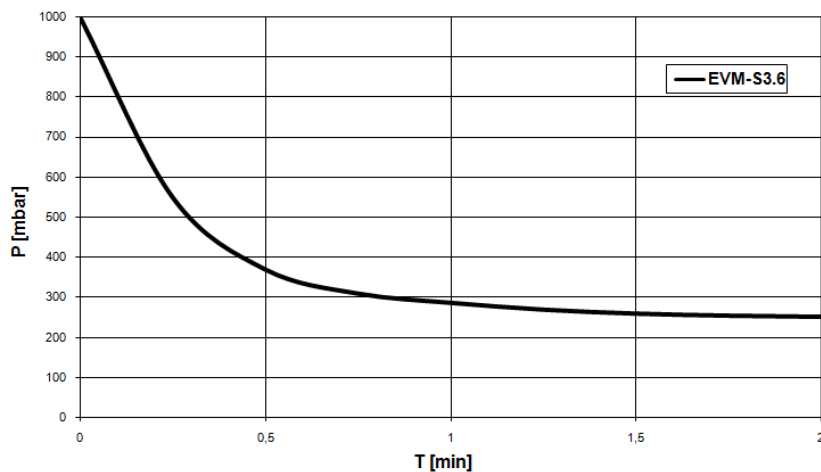
Technical Data		TYPE EVM-D1.8
		Twin head vacuum
Nominal displacement	m <sup>3</sup> /h	1,8
Ultimate pressure	mbar	25
Motor power	W	250
Material Diaphragm & Valves		HNBR
Material Pump Head		PTFE coated
Weight	kg	10
Noise level	dB	< 50
Admissible ambient temp.	°C	10 to 40
Connections	mm	6
Dimensions LxWxH	mm	282x130x210

Ordering Information	TYPE EVM-D1.8
Single phase motor 220-240V, 50 Hz (IEC)	625.000
Accessories	See page 8

# TYPE EVM-S3.6



**Pumpdown time for 20 ltr vessel**

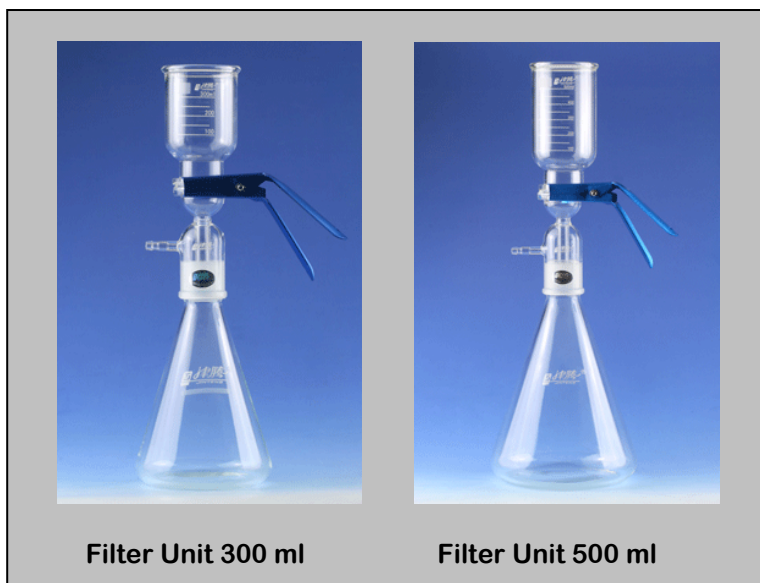


<b>Technical Data</b>		<b>TYPE EVM-S3.6</b>	
		<b>2x Single head vacuum/pressure</b>	
Nominal displacement	m <sup>3</sup> /h	3,6	
Ultimate pressure	mbar	250	
Motor power	W	250	
Material Diaphragm & Valves		HNBR	
Material Pump Head		PTFE coated	
Weight	kg	9	
Noise level	dB	< 50	
Admissible ambient temp.	°C	10 to 40	
Connections	mm	6	
Dimensions LxWxH	mm	282x155x210	

<b>Ordering Information</b>		<b>TYPE EVM-S3.6</b>	
Single phase motor 220-240V, 50 Hz (IEC)		626.000	
Accessories		See page 8	



## Accessories for EVM series



### Solvent Filter Unit

The solvent filter is commonly used in the filtration of high-accuracy chromatogram Equipment and has the function of out-gassing to prevent the equipment of blocking caused by particles. But has also many other uses for very fine filtration of liquids. The product is made from high quality extra hard glass with an even wall thickness. It can also be used for sterilisation at high temperature and high pressure. The small unit has a filter cup of 300ml and a receiving bottle of 1000ml – the big unit has a filter cup of 500ml and a receiving bottle of 2000ml. The filter holder has a porous of 10 $\mu$ m. The available membrane filters you can find on the next page of this catalog.



### Manifold for 3 solvent Filter Unit

With this manifold it is possible to filter up to 3 or 6 filter units on one vacuum pump. Material of the Manifold is Stainless Steel 316.

Ordering Information	Solvent Filter Units
Solvent Filter Unit 300ml	629.001
Solvent Filter Unit 500ml	629.002
Manifold Filter Unit 3 Cups	629.003
Manifold Filter Unit 6 Cups	629.004

## Accessories for EVM series



### Membrane Filters

The micro porous membrane filter is mainly used for the filtration of mobile phase and samples during the chromatographic analysis, especially for preventing chromatographic column, infusion pump line system and sample valve for pollution. They are widely used in gravimetric analysis, microanalysis, colloid separation and sterility testing. The filter membranes are made of different materials, such as: PTFE (polytetrafluoroethylene), PES (polyethersulfone), CA (acetic acid fiber), nylon 6, etc.

Ordering Information			Membrane Filter Set 100 pieces per set
Ø60 mm	Nylon6	0,2 µm	629.910
	Nylon6	0,45 µm	629.911
	PES	0,2 µm	629.912
	PES	0,45 µm	629.913
Ø50 mm	PTFE	0,45 µm	629.914
	Cellulose Acetate	0,2 µm	629.915
	Cellulose Acetate	0,45 µm	629.916
	PES	0,45 µm	629.917
	PES	0,8 µm	629.918
	Nylon6	0,2 µm	629.919
	Nylon6	0,45 µm	629.920
	Nylon66	0,2 µm	629.921
	Nylon66	0,45 µm	629.922
	PVDF	0,2 µm	629.923
	PVDF	0,45 µm	629.924
	Ø47 mm	PES	0,45 µm
PES		0,8 µm	629.926
Nylon6		0,45 µm	629.927
Ø25 mm	PES	0,2 µm	629.928
	PES	0,45 µm	629.929
	PES	0,8 µm	629.930
	Nylon6	0,2 µm	629.931
	Nylon6	0,45 µm	629.932
Ø13 mm	PES	0,2 µm	629.933
	PES	0,45 µm	629.934
	Nylon6	0,2 µm	629.935
	Nylon6	0,45 µm	629.936

## Accessories for EVM series



### Syringe Filters

Disposable syringe filters designed to provide fast and efficient filtration of aqueous and organic solutions. They are made of a wide variety of different membranes filters using the most advanced methods and design features available today. These syringe filters are ideal for numerous applications in pharmaceutical, environmental, biotechnology, food/beverage and agricultural testing laboratories. The syringe filters are composed of a pure polypropylene housing, and are heat sealed without the use of glues or sealants. On your demand we can produce the syringe filters in sterilized package and ultrasonic welded.

#### Applications:

- Protein and enzyme filtration, sterilization
- Biological fluid filtration sterilization
- Tissue culture media sterilization
- Diagnostic cytology
- Receptor binding studies
- Enhanced recovery of fastidious gram positive organisms

Ordering Information			Syringe Filter Set 100 pieces per set
Ø25 mm	PTFE	0,45 µm	629.950
	PES	0,2 µm	629.951
	PES	0,45 µm	629.952
	Nylon6	0,2 µm	629.953
	Nylon6	0,45 µm	629.954
	Nylon66	0,2 µm	629.955
	Nylon66	0,45 µm	629.956
	PVDF	0,2 µm	629.957
	PVDF	0,45 µm	629.958
	Ø13 mm	PTFE	0,45 µm
PES		0,2 µm	629.960
PES		0,45 µm	629.961
Nylon66		0,2 µm	629.962
Nylon66		0,45 µm	629.963
PVDF		0,2 µm	629.964
PVDF		0,45 µm	629.965

