



Triline Pumps

Vacuum & Pressure

Gas moving Engineers

Diaphragm Pumps EVM Series





EVM Diaphragm Pumps & Accessories

Triline Pumps has evolved over the years by working in partnership with many leading manufactures, to develop Triline's own comprehensive range of pumps and accessories. The EVM Series of pumps is one such range from Eurovacuum BV in The Netherlands.

The Diaphragm pumps are high quality rigorously tested and widely used product with a large range of capacity's 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

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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Technical Details		Type EVM S07
		Single Head
Nominal displacement	m ³ /h	0.72
Ultimate pressure	mbar	300
Motor power	W	75
Electrical Supply		200-240V, 50Hz, 1ph
Material Pump head		Nylon
Weight	kg	4
Noise level	dB	<50
Admissible ambient temp	°C	10 to 40
Connection	mm	6
Dimensions LxWxH	mm	195 x 98 x 156



Technical Details		Type EVM S1.2
		Single Head
Nominal displacement	m ³ /h	1.2
Ultimate pressure	mbar	250
Motor power	W	200
Electrical Supply		200-240V, 50Hz, 1ph
Material Diaphragm & Valves		HNBR
Material Pump head		PTFE Coated
Weight	kg	7.5
Noise level	dB	<50
Admissible ambient temp	°C	10 to 40
Connection	mm	6
Dimensions LxWxH	mm	235 x 140 x 210



Technical Details		Type EVM D1.2	
		Double Head	
Nominal displacement	m ³ /h	1.2	
Ultimate pressure	mbar	250	
Motor power	W	250	
Electrical Supply		200-240V, 50Hz, 1ph	
Material Diaphragm & Valves		HNBR	
Material Pump head		PTFE Coated	
Weight	kg	7.5	
Noise level	dB	<50	
Admissible ambient temp	°C	10 to 40	
Connection	mm	6	
Dimensions LxWxH	mm	282 x 130 x 210	



Technical Details		Type EVM S1.8
		Single Head
Nominal displacement	m ³ /h	1.8
Ultimate pressure	mbar	250
Motor power	W	200
Electrical Supply		200-240V, 50Hz, 1ph
Material Diaphragm & Valves		HNBR
Material Pump head		PTFE Coated
Weight	kg	8
Noise level	dB	<50
Admissible ambient temp	°C	10 to 40
Connection	mm	6
Dimensions LxWxH	mm	215 x 165 x 270



Technical Details		Type EVM S1.8
		Single Head
Nominal displacement	m ³ /h	1.8
Ultimate pressure	mbar	25
Motor power	W	250
Electrical Supply		200-240V, 50Hz, 1ph
Material Diaphragm & Valves		HNBR
Material Pump head		PTFE Coated
Weight	kg	10
Noise level	dB	<50
Admissible ambient temp	°C	10 to 40
Connection	mm	6
Dimensions LxWxH	mm	282 x 130 x 210

EVM D3.6 Diaphragm Pump



Technical Details		Type EVM S3.6
		2 xSingle Head
Nominal displacement	m ³ /h	3.6
Ultimate pressure	mbar	250
Motor power	W	250
Electrical Supply		200-240V, 50Hz, 1ph
Material Diaphragm & Valves		HNBR
Material Pump head		PTFE Coated
Weight	kg	9
Noise level	dB	<50
Admissible ambient temp	°C	10 to 40
Connection	mm	6
Dimensions LxWxH	mm	282 x 155 x 210



Filter Unit 300ml



Filter Unit 500ml

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 10µm. The membrane filters are available on the next page of this catalogue.



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 Unit 300ml
Solvent Filter Unit 500ml
Manifold Filter Unit 3 Cups
Manifold Filter Unit 6 Cups

Solvent Filter Units

629.001
629.002
629.003
629.004



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.



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

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