



# Company

For 60 years PVR has been a leader providing high quality and reliable vacuum pumps. PVR means primarily trusted and advanced technologies, but also sustainable development for the stakeholders, environmental protection and focus on energy saving. The experience acquired during these years of activities, allows PVR to offer products and services that are always reliable and innovative.



## Machining Division

With a view to verticalization of its processes and increased capacity to provide more services to customers, PVR has had a specialized Machining Division for brass, steel, cast iron, stainless steel, and aluminum components since 2023.

Professionalism, experience, and quality characterise PVR Machining Division in the machining of numerous parts for vacuum pumps and components in the industrial, automotive, petrochemical, hydraulic, and electrical sectors.



## Service

PVR guarantees a qualified advice for every inquiry thanks to its skilled technical/sales office that supports every project. The Service Department assists and advises our customers with scheduled maintenance, qualified overhauls and spare parts ready for delivery.



**PVR** Srl

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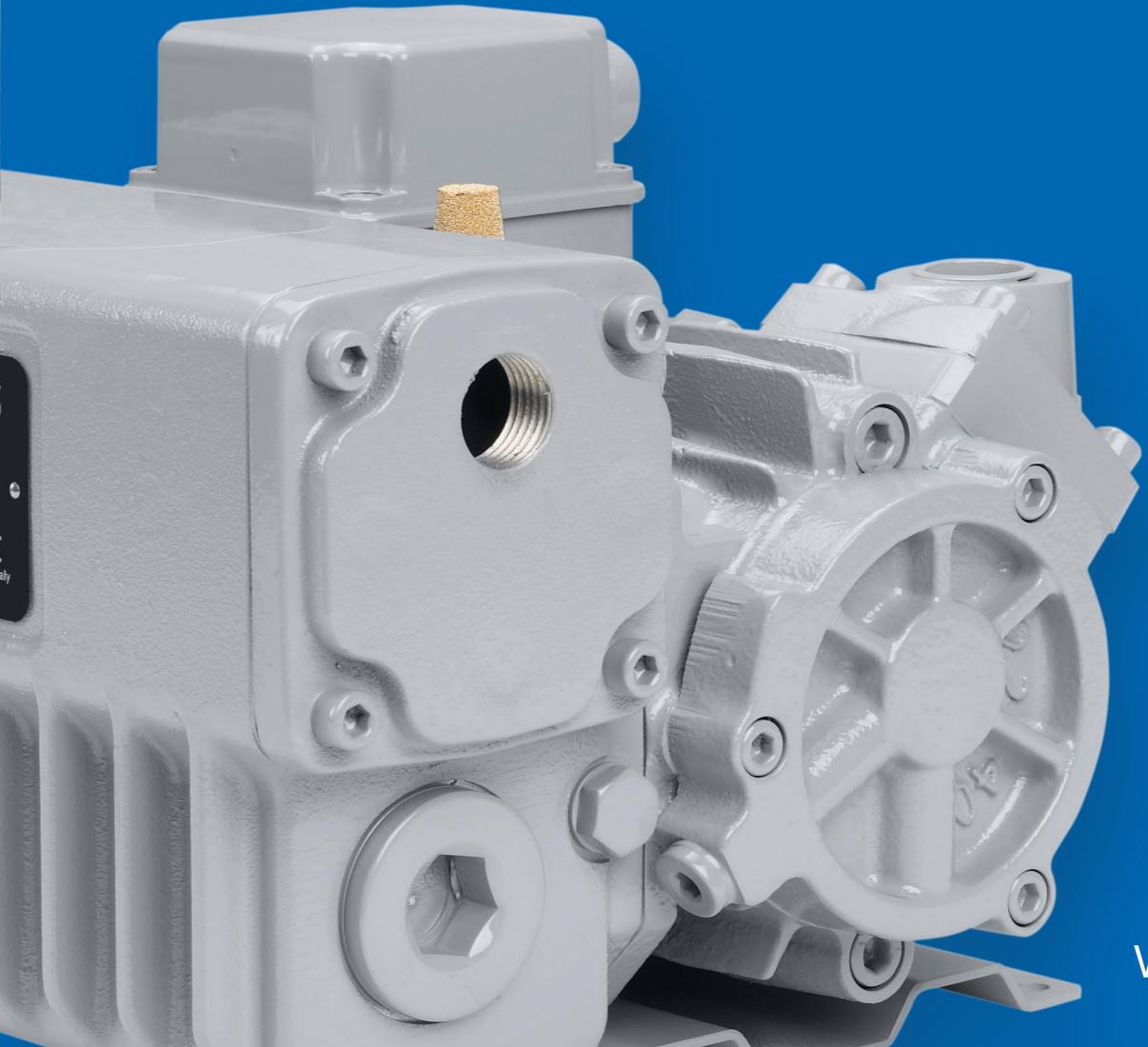
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Provide trusted & advanced technologies



## Oil Lubricated Rotary Vane Vacuum Pumps **EM** Series



[www.pvr.it](http://www.pvr.it)

# EM Series

## Compact single stage rotary vane pumps

The EM series is formed by lubricated vane vacuum pumps extremely compact and light thanks to their monobloc design. They are easy to install and service. The use of the gas ballast valve allows to get rid of vapours (starting from the model EM 8). The multifrequency motors allow the use of the EM pumps in different geographic areas.

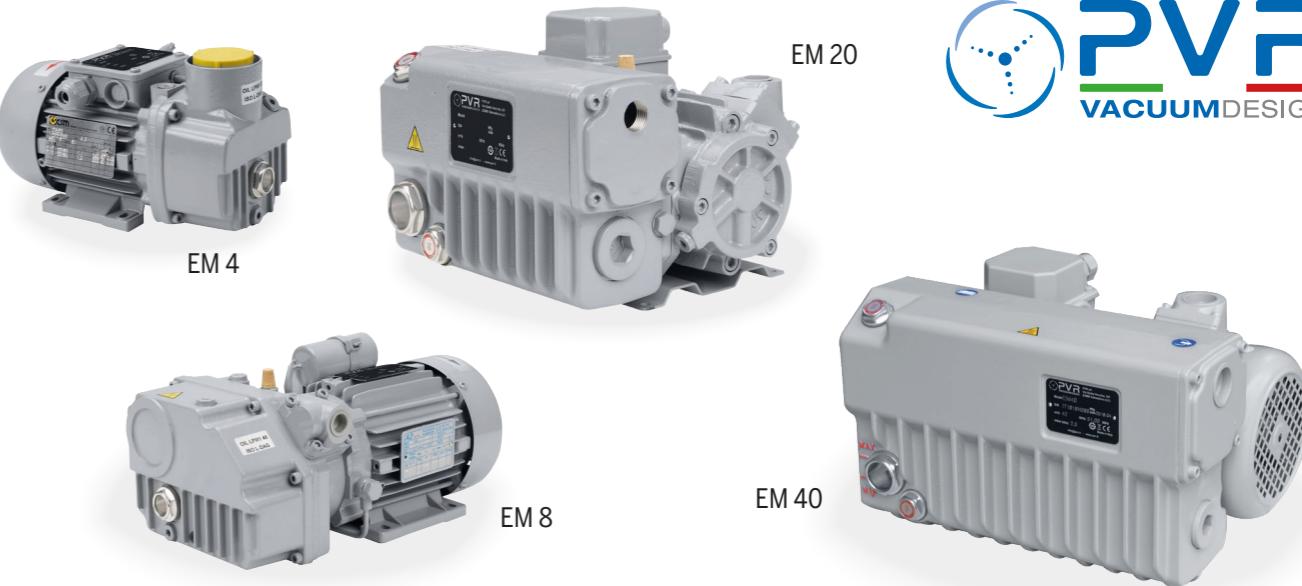


## Applications

Packaging machines  
Vacuum chambers  
Thermoforming machines  
Bottle fillings  
Meat extruders  
Dryers  
Oil decontamination

Degassing materials  
Varnish mixers  
Pneumatic conveying systems  
Plastic extruders  
Pick & place systems  
Hospital central vacuum systems

Autoclaves  
Laboratories  
Blister packaging machines  
Glass, ceramic and pottery industry  
Marble and agglomerates  
Thermoforming packaging machines



		<b>EM 4</b>	<b>EM 8</b>	<b>EM 12</b>		
<b>Nominal pumping speed</b>	m <sup>3</sup> /h	50 Hz 60 Hz	4 4,8	8 10	12 15	
<b>Ultimate pressure (abs.)</b>	mbar	EM EM B	≤ 2 ≤ 20	≤ 2 ≤ 20	≤ 2 ≤ 20	
<b>Water vapour tolerance</b>	mbar	50 Hz	-	20	30	
<b>Water vapour pumping capacity</b>	kg/h	50 Hz 60 Hz	- -	0,125 0,125	0,2 0,2	
<b>Noise level</b>	dB(A)	50 Hz 60 Hz	57 59	58 60	65 66	
<b>Motor power</b>	kW	50 Hz 60 Hz	~ 3 ~ 1 ~ 3 ~ 1	0,12 0,12 0,15 0,12	0,25 0,25 0,30 0,25	0,37 0,37 0,44 0,44
<b>Motor speed</b>	rpm	50 Hz 60 Hz	3000 3600	3000 3600	3000 3600	
<b>Dimensions</b>	L x B x H mm	50 Hz 60 Hz	236x129x139	300x166x139	280x214x189	
<b>Total weight</b>	kg	50 Hz 60 Hz	~ 3 ~ 1 ~ 3 ~ 1	5	12	13

	<b>EM 20</b>	<b>EM 28</b>	<b>EM 40</b>
18	28	42	
21	33	51	
≤ 2	≤ 2	≤ 2	
≤ 20	≤ 20	≤ 20	
30	30	30	
0,45	0,65	0,9	
0,45	0,65	0,9	
66	65	68	
67	67	69	
0,55	0,75	1,1	
0,55	1,1	1,4	
0,66	0,9	1,3	
0,66	1,3	-	
3000	3000	3000	
3600	3600	3600	
298x221x189	332x266x224	415x266x224	
17	26	30	

## Oil lubricated rotary vane vacuum pumps

The technology of the lubricated vacuum pumps suits perfectly the industrial applications in the rough vacuum field. The EM series has been designed to achieve a compact and versatile pump, reliable and easy to maintain. Available in a wide range of models and supplied with a series of specific accessories.

