NEW EVM SERIES

The new **EVM** pumps are **vertical multistage centrifugal** models, which come in various versions: cast iron **(EVMG)**, AISI 304 stainless steel **(EVM)**, AISI 316 stainless steel **(EVML)** and WRAS-approved **(EVMW)**.

1. EBARA has an **extensive range** of models supplied with the motor or without. They come with different numbers of stages and in different sizes to meet individual capacity and head requirements.
2. All the new EVM pumps can be coupled with **standard IEC** motors.
3. The new EVM pumps stand out for their **sturdy construction** and offer cutting-edge technical solutions.
4. The new EVM series comes in **cast iron, AISI 304** stainless steel, **AISI 316** stainless steel and a **WRAS**-approved version.
5. All the EVM and EVML versions' components in contact with the liquid are **stainless steel**.
6. **The splined shaft** features high mechanical strength.
7. **Tungsten carbide** is used for bearings in contact with the liquid.
8. The casing rings are **floating types** and **easy to replace**.
9. The new vertical multistage pumps conform to directive 94/9/EC on **ATEX** equipment (belonging to **Group II**, **Category 2**).
10. EVM 32-45-64 versions feature a **cartridge mechanical seal**.

10 REASONS FOR CHOOSING THE NEW EBARA EVM

PUMP

Type		EVM	EVML	EVMG	EVMW
Liquid Handled	Type of liquid	Clean water, water contains glycol and moderately aggressive fluids			Drinking water
	Temperature [°C]	-15 to + 120 standard			-15 to + 85
	Max solid content	50 ppm			/
	Max chlorine ion density	500 ppm			/
Maximum working pressure	[MPa]	1,6 / 2,5 / 3,0			
	[bar]	16 / 25 / 30			
Construction	Impeller	Closed centrifugal type			
	Shaft seal type	Mechanical seal			
	Bearing	Sealed ball bearing with permanent grease			
Pipe connection	Suction/Discharge	AISI 304	AISI 316	AISI 304	AISI 304
Material	Impeller	AISI 304	AISI 316	AISI 304	AISI 304
	Intermediate casing	AISI 304	AISI 316	AISI 304	AISI 304
	Bottom casing	AISI 304	AISI 316	Cast iron	AISI 304
	Casing cover	AISI 304	AISI 316	Cast iron	AISI 304
	Outer casing	AISI 304	AISI 316	AISI 304	AISI 304
	Shaft	AISI 316			
	Liner ring	EPDM / AISI 304	PFTE / AISI 316	EPDM / AISI 304	
	Motor bracket	Cast iron			
	O-ring	EPDM	EPDM	FPM	EPDM
Applicable standard of test		ISO 9006 Annex A			

MOTOR

Type		Electric - TEFC	
		Single phase	Three phase
No. of Poles		2	
r.p.m.	[min⁻¹]	≈ 2900	
Insulation class		Class F (class B for temperature rise)	
Protection form		IP 55	
Power rating	[kW]	0,37 ÷ 2,2	0,37 ÷ 37
	[HP]	0,5 ÷ 3	0,5 ÷ 50
Frequency	[Hz]	50	
Voltage	[V]	230 ±10% (up to 2,2 kW)	230/400 V ±10% Delta conn. (up to 4 kW)
			400/690 V ±10% (above 5,5 kW)
Over-load protection		User to provide	
Casing material		Aluminium	
Flange mount (IEC motor)		IM B14 (up to 4 kW)	
		IM B5 (above 5,5 kW)	

Standard motors for ambient temperatures up to 40°C and altitudes of 1,000 m.
For different applications, kindly contact our sales network.

EVM 32-45-64 versions are fitted with a mechanical cartridge seal

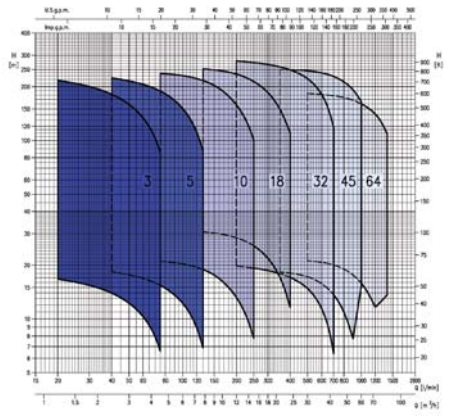
NEW EVM: QUALITY, INNOVATION AND VERSATILITY.

The new EBARA EVM pumps are manufactured to the highest standards of quality and to achieve the highest levels of operating performance by means of a strict, through quality control program that involves the whole manufacturing cycle.
With an extensive range of models to choose from, EBARA can provide you with the solution that best suits your needs.

Our EVM pumps are suitable for various applications (from pumping drinking water to pumping water containing glycol and moderately aggressive fluids):

- water treatment
- industrial washing systems
- heating and air-conditioning
- water supply and pressure boosting
- irrigation and agriculture

NEW
EBARA EVM SERIES



PERFORMANCE RANGE

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EBARA PUMPS EUROPE S.p.A. reserves the right to make modifications without prior notice: all specifications could be subject to change

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EVM

EBARA

New vertical multistage pump
EVM SERIES

NEW