



**SACEMI  
GAMAR**



# SUBMERSIBLE PUMPS

# MVC

## MULTISTAGE PUMP FOR LIQUIDS

**Reliable, durable, versatile**

Designed for transferring liquids with impurities up to 3 mm, withstands temperatures up to 70°C, and is ideal for machine tools, filtration systems, and surface treatment plants.

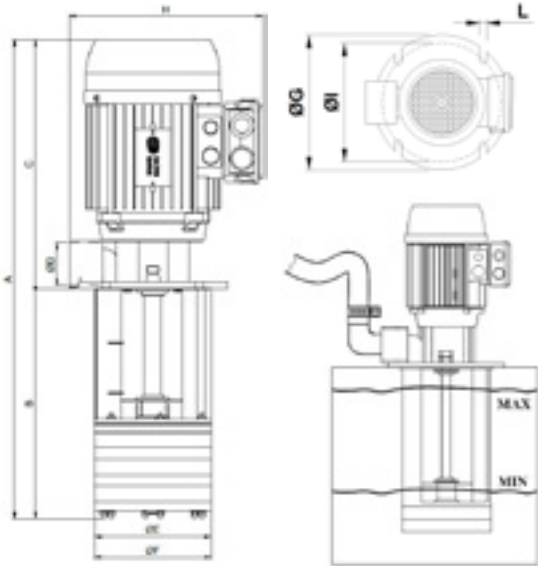
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[sacemigamar.com](http://sacemigamar.com)

# MVC SUBMERSIBLE PUMPS

**Reliability and performance for machine tools, filtration, and surface treatment**



Our multistage pump is designed for transferring liquids containing impurities up to 3 mm. The hydraulic components (pump body in Nylon, diffusers in POM, impeller in Nylon, and shaft in AISI 316) ensure maximum durability and allow use with emulsions, oily and corrosive substances, and fluids with viscosity up to 21 cSt (3° Engler).

**Resistant to temperatures up to 70 °C**

**Ideal for machine tools (milling, turning, grinding)**

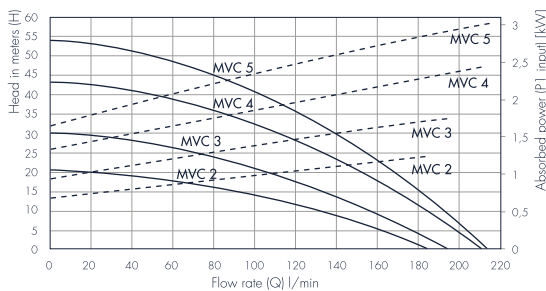
**Perfect for filtration and surface treatment systems**

**Printing machines**

**Air conditioning and HVAC systems**

For optimal performance, installation on tanks proportioned to the flow rate is recommended, with the liquid level always maintained 5–6 cm below the mounting flange. In cases of particularly dirty liquids, the tank can be designed with compartments to promote the settling of sludge.

## Hydraulic performance curve



## Dimensions and weights table

Pump type	A mm	B mm	C mm	ØD	ØE mm	ØF mm	ØG mm	H mm	ØI mm	ØL mm
MVC 2	520	245	275	1 1/4"	138	140	180	214	160	9 (n° 4)
	589	314								
	670	395								
MVC 3	577	277	300					230		
	647	347								
	727	427								
MVC 4	649	309	340					235		
	719	379								
	799	459								
MVC 5	681	341	340					235		
	751	411								
	831	491								

## Technical data

Pump type	Input kW (P1)	Input kW (P2)	V	Hz	In Amp.	n min <sup>-1</sup>	cos φ	Q - maxQ [l/min]	maxH - H [m]
MVC 2	1.14	0.9	230/400	50	3.6/2.1	2840	0.78	0 - 185	20 - 0
MVC 3	1.83	1.5			5.9/3.4	2830	0.79	0 - 194	30 - 0
MVC 4	3.13	2.6			9.0/5.2	2850	0.87	0 - 210	42 - 0
MVC 5	3.13	2.6			9.0/5.2	2850	0.87	0 - 213	53 - 0

## Hydraulic performance table (open impeller)

Total head [m] (H)	0	3	6	9	12	15	20	25	30	35	40	45	50
Pump type	Flow rate [l/min] (Q) ↓												
MVC 2	185	171	153	135	115	82							
MVC 3	194	184	173	161	147	132	106	72					
MVC 4	210	204	195	187	179	168	151	136	111	90	52		
MVC 5	213	207	200	194	188	180	166	152	137	120	103	80	54