



# Vacuubrand MD-1C+AK+EK

## Technical Specifications

		MD 1C +AK+EK
Number of heads / stages		4 / 3
Max. pumping speed at 50/60 Hz	m <sup>3</sup> /h	1.3 / 1.5
Max. pumping speed at 50/60 Hz	cfm	0.8 / 0.9
Ultimate vacuum (abs.)	mbar/torr	2 / 1.5
Ultim. vac. (abs.) with gas ballast	mbar/torr	4 / 3
Ambient temperature range (operation)	°C	10 - 40
Ambient temperature range (storage)	°C	-10 - 60
Max. back pressure (abs.)	bar	1.1
Inlet connection		Hose nozzle DN 8-10 mm
Outlet connection		Hose nozzle DN 8-10 mm
Coolant connection		2 x hose nozzle DN 6-8 mm
Rated motor power	kW	0.08
Rated motor speed at 50/60 Hz	min-1	1500/1800
Protection class		IP 40
Dimensions (L x W x H)	mm	316 x 239 x 405
Weight	kg	10.2
Noise level at 50 Hz, typ.	dBA	45
ATEX conformity (only 230V)		II 3/- G IIC T3 X Internal Atm. only
Items supplied		Pumping unit completely mounted, ready for use, with manual.
Accessories		Rubber vacuum tubing DN 8 mm (20686001) Flow control valve (20677137)



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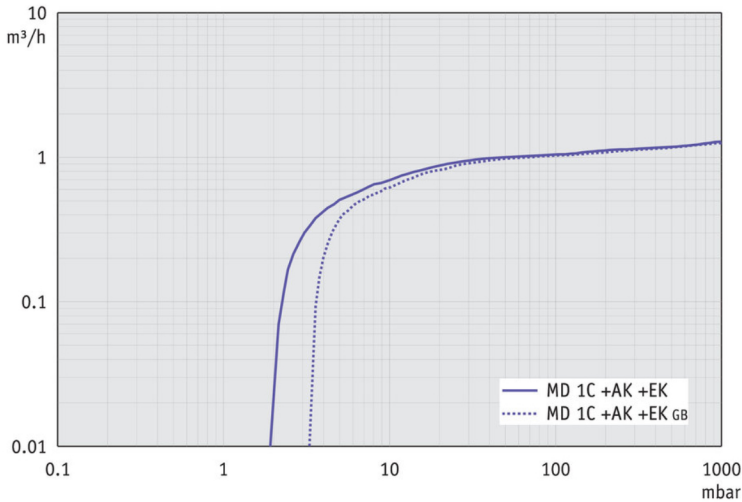
PHONE: 831-462-8900

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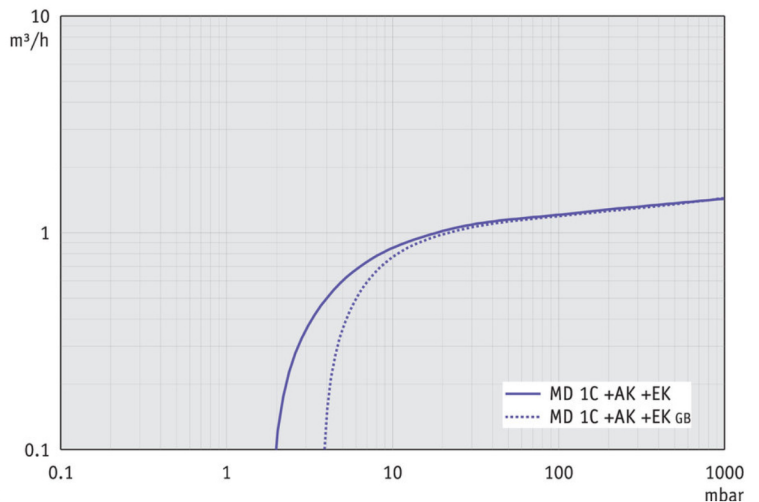
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# Vacuubrand MD-1C+AK+EK Pumping Curves

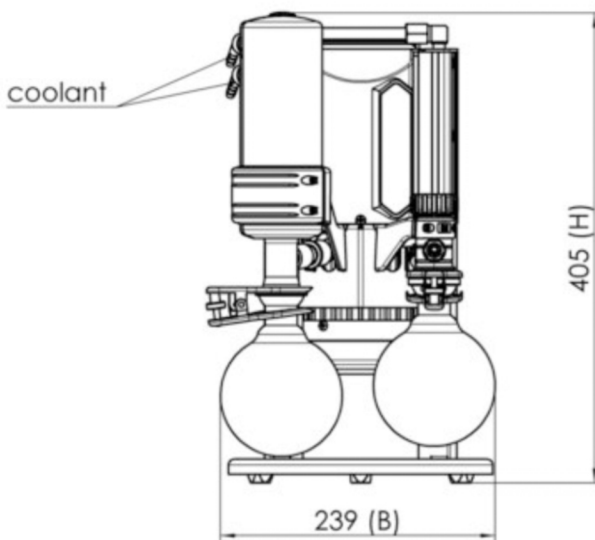
### 50Hz



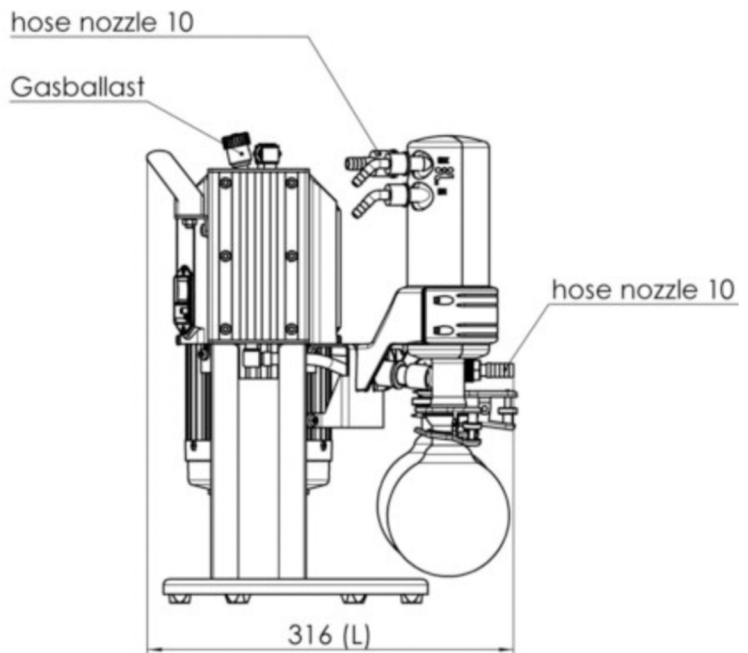
### 60Hz



## Dimensions



weight 10,2 kg  
all dimensions (mm)



VACUUBRAND MD 1C AK+EK  
Version 2009/09/03



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## Vacuubrand MD-1C+AK+EK Features & Benefits

- outstanding chemical resistance & superior vapor tolerance
- reduced process times
- very high pumping speed, even at low vacuum
- whisper quiet & very low vibration
- very good ultimate vacuum, even with open gas ballast
- separator at inlet retains particles & liquid droplets
- waste vapor condenser is highly efficient & compact
- condenser enables almost 100% solvent recovery, efficient recycling & active protection of the environment

## Applications

- rotary evaporators • vacuum concentrators • drying chambers
- gel dryer

