

# VARIO-SP DIAPHRAGM PUMP

## MZ 2 VARIO-SP

vacuubrand

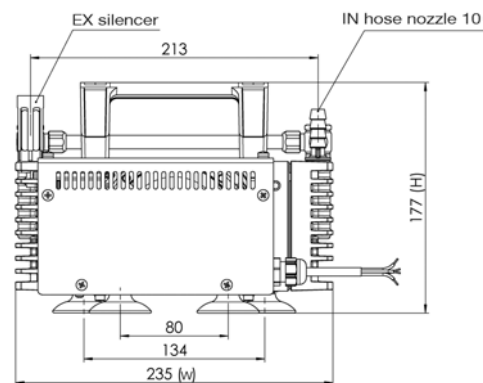
### MZ 2 VARIO-SP two-stage

..... 2.5 m<sup>3</sup>/h  
 ..... 1.5 cfm  
 ..... 42 l/min  
  
 ..... 9 mbar  
 ..... 6.8 Torr

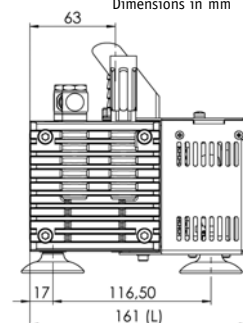
The MZ 2 VARIO-SP diaphragm pump is based on the well-proven design of the MZ 2. The use of the brushless 24 V DC motor reduces weight and total length of the pump by approx. 40% and results in an increase of the maximum pumping speed. Therefore, the MZ 2 VARIO-SP is particularly performant as a built-in pump as part of an instrument. Its 24 V DC motor makes it universal as regards mains voltage.



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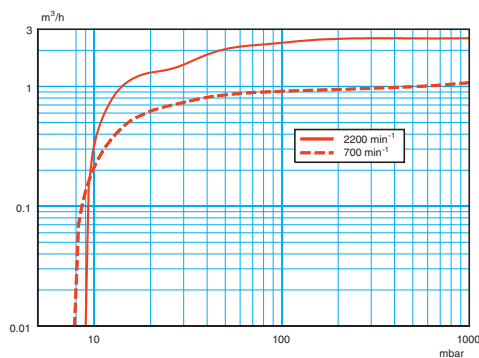


Dimensions in mm

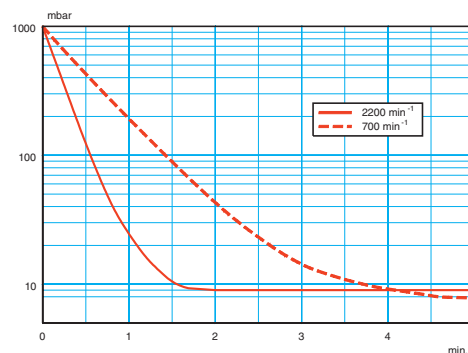


### SPECIAL ADVANTAGES

- VARIO-SP = variable-speed system pump: fast pump-down at increased speed, maintaining vacuum at reduced speed
- Continuous, oil-free pumping of gases
- Extremely compact dimensions and low weight, mounting in any position
- Quiet and low-vibration, especially at reduced speed



Pumping speed\* at 2200 min<sup>-1</sup> and 700 min<sup>-1</sup>



Pump-down time\* for 10 l volume

### TECHNICAL DATA

Number of stages		2
Pumping speed (DIN 28432) at 2200 min <sup>-1</sup>	m <sup>3</sup> /h//cfm	2.5//1.5
Ultimate vacuum (total) at 1500 min <sup>-1</sup>	mbar//Torr	9//6.8
Inlet connection (IN)		hose nozzle NW 10
Outlet connection (EX)		silencer (G 1/4")
Max. start-up current (24 V)	A	7
Typ. current (10 mbar, 1500 min <sup>-1</sup> )	A	approx. 2.0
Motor power	W	160
Dimensions (L x W x H)	mm	161 x 235 x 177
Mass	kg	6.5

**Items supplied:** VARIO-SP diaphragm pump (without on/off switch) with 4-wire cable for power supply and control signal, instructions for use.

### ORDERING INFORMATION

24 V=

Other versions (tubing, chemistry design) on request!

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\* Pumping speeds and pump-down times are only for information. Ultimate vacuum specification: see Technical Data.