# Chemistry vacuum system MZ 2C NT +AK SYNCHRO+EK



Link to the website

#### **Product description**

This chemistry vacuum system provides the simultaneous operation of two processes with only one pump. Typical applications are rotary evaporators, vacuum concentrators and vacuum drying ovens. Each vacuum connection is provided with a manual flow control valve to regulate the effective pumping speed. The separator at the inlet (AK), made of glass with a protective coating, retains particles and liquid droplets. The waste vapor condenser at the outlet (EK) is highly efficient and compact. The condenser enables near-100-percent solvent recovery, efficient recycling and active protection of the environment.

#### **Performance features**

- outstanding chemical resistance and superior vapor tolerance
- high performance even at low vacuum levels
- optimized vacuum even with gas ballast for condensate purge
- simultaneous operation of two independent vacuum applications, with reliable check valves to prevent interference between applications
- excellent environmental friendliness due to efficient solvent recovery



### **Ordering data**

Product name	Nominal mains voltage   mains frequency	Plug type	Articleno.
MZ 2C NT +AK SYNCHRO+EK	230 V   50-60 Hz	СН	20732801

#### **Items supplied**

Pumping unit completely mounted, ready for use, with manual.

#### Accessories

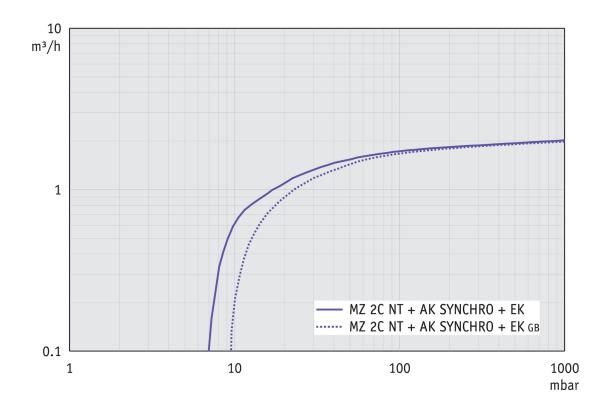
- Silencer with hose 5cm DN 8-10mm (20636588)
- Rubber vacuum tubing DN 8 mm (20686001)
- Upgrade kit manometer for vacuum systems NT SYNCHRO NT SYNCHRO Vakuumsysteme (20699907)



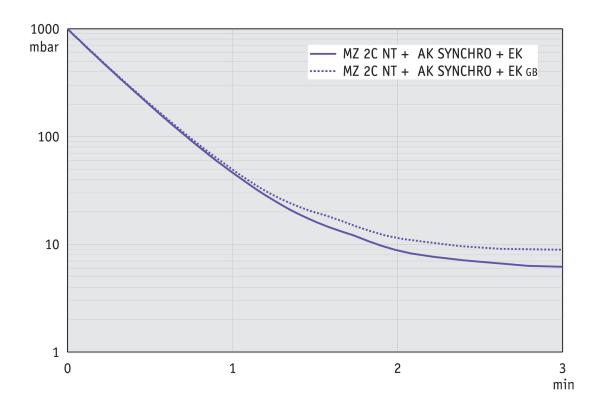
#### **Technical data**

Max. pumping speed 50 Hz (mbar)	2 m <sup>3</sup> /h	
Max. pumping speed 60 Hz (cfm)	1.4 cfm	
Ultimate vacuum	7 mbar / 5 torr	
Ultimate vacumm with gas ballast	12 mbar / 9 torr	
Number of heads	2	
Number of stages	2	
Permissible ambient temperature range (operation)	10 - 40 °C	
Permissible ambient temperature range (storage)	-10 - 60 °C	
Max. outlet pressure (abs.)	1.1 bar	
Inlet connection	2 x 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	0.18 kW	
Rated speed 50/60 Hz	1500/1800 min <sup>-1</sup>	
Protection class IEC 60529	IP 40	
Dimensions (L x W x H)	326 mm x 248 mm x 402 mm	
Weight	14.5 kg	
Noise (sound pressure level) in dBA at 50 Hz or 1500 rpm/62% (VARIO)/1500 rpm (VARIO-SP)/12500 Upm (VACUU·PURE®)	45 dBA	
ATEX conformity	II 3/- G Ex h IIC T3 Gc X Internal Atm. only	
NRTL certification	Yes	

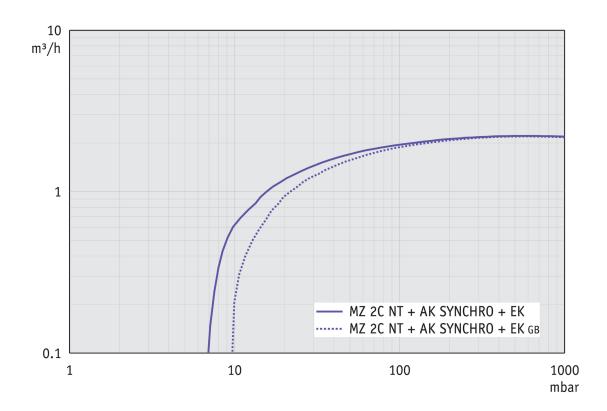
### Pumping speed graph at 50 Hz



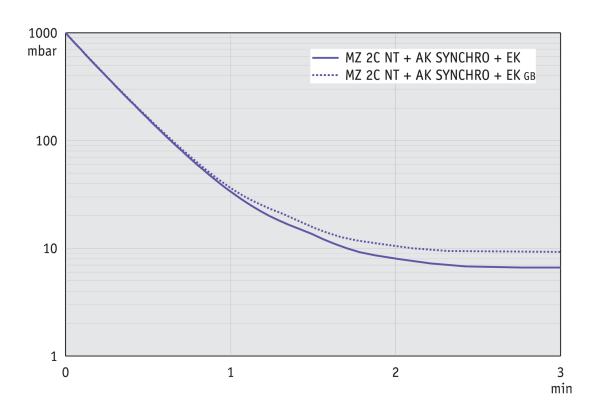
### Pump down graph at 50 Hz (10 l volume)



### Pumping speed graph at 60 Hz

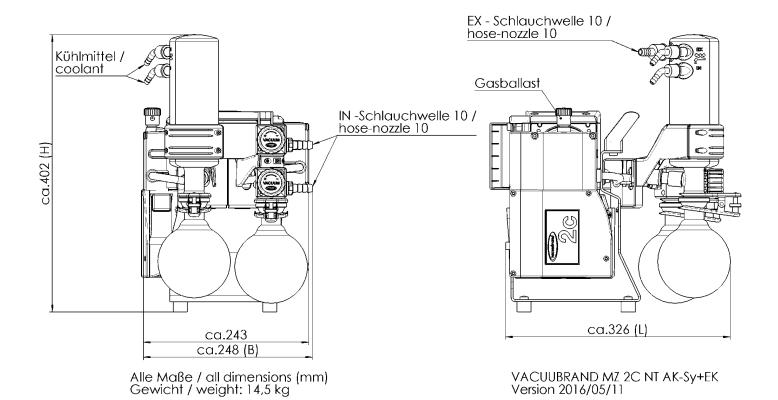


### Pump down graph at 60 Hz (10 l volume)



#### **Dimension sheet**





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VACUUBRAND GMBH + CO KG P.O. Box 1664 97877 Wertheim T +49 9342 808 5550

F +49 9342 808 5555

info@vacuubrand.com www.vacuubrand.com

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BRAND (Shanghai) Trading Co., Ltd. Shanghai, China

T +86 21 6422 2318 info@brand.com.cn china.brand.com.cn

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T+91 22 42957790 customersupport@brand.co.in www.brand.co.in BRANDTECH® Scientific, Inc. Essex, CT. United States of America

T +1 860 767 2562 info@brandtech.com www.brandtech.com

