



PROVAC
SALES

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Vacuubrand MD-4CRLNT

Technical Specifications

		MD 4CRL NT
Number of heads / stages		4 / 3
Max. pumping speed at 50/60 Hz	m ³ /h	3.4 / 3.8
Max. pumping speed at 50/60 Hz	cfm	2.0 / 2.2
Ultimate vacuum (abs.)	mbar/torr	1.5 / 1.1
Integral leakage rate	mbar l/s	0.001
Ambient temperature range (operation)	°C	10 - 40
Ambient temperature range (storage)	°C	-10 - 60
Max. back pressure (abs.)	bar	1.1
Inlet connection		small flange KF DN 16
Outlet connection		small flange KF DN 16
Rated motor power	kW	0.25
Rated motor speed at 50/60 Hz	min-1	1500/1800
Protection class		IP 40
Dimensions (L x W x H)	mm	325 x 243 x 198
Weight	kg	19.8
Noise level at 50 Hz, typ.	dBA	45
NRTL certification		Canada and the USA
ATEX conformity (only 230V)		II 3/- G IIC T3 X Internal Atm. only
Items supplied		Pump completely mounted, ready for use, with manual.
Accessories		PTFE tubing KF DN 16 (1000 mm: 20686031) Stainless steel tubing KF DN 16 (1000 mm: 20673336)



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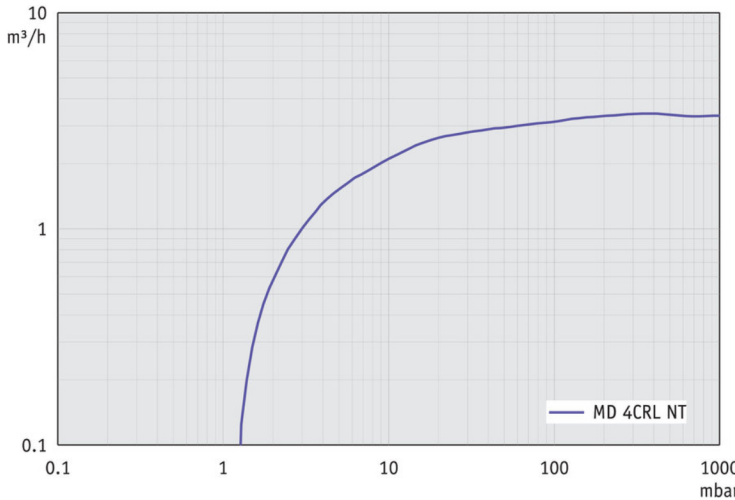
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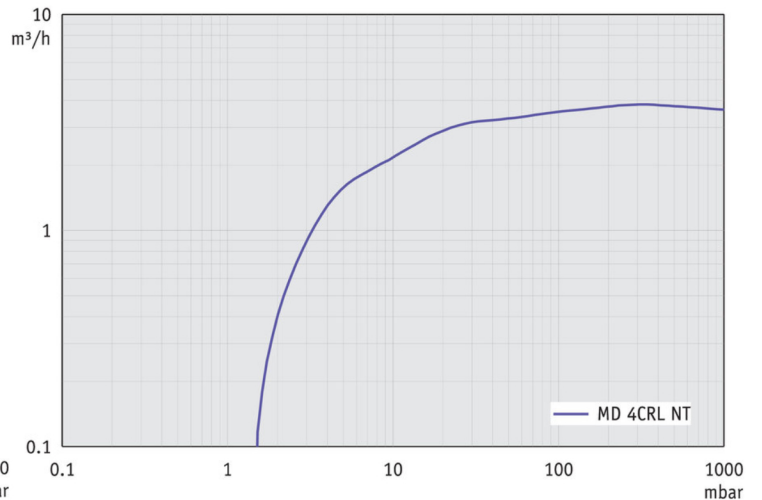
Vacuubrand MD-4CRLNT

Pumping Curves

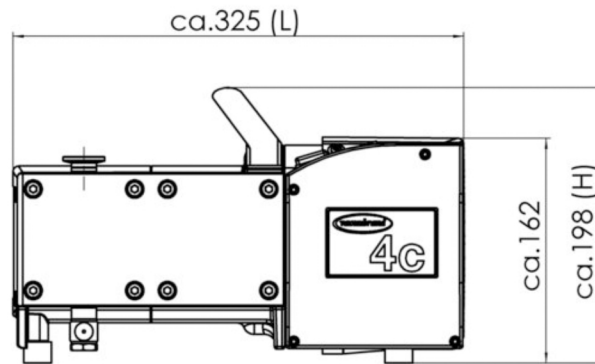
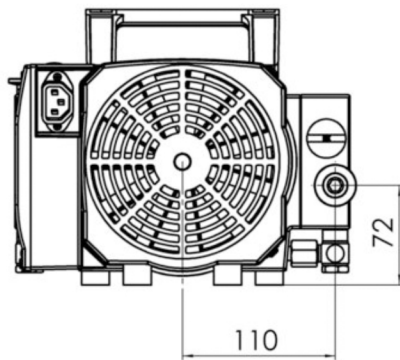
50Hz



60Hz



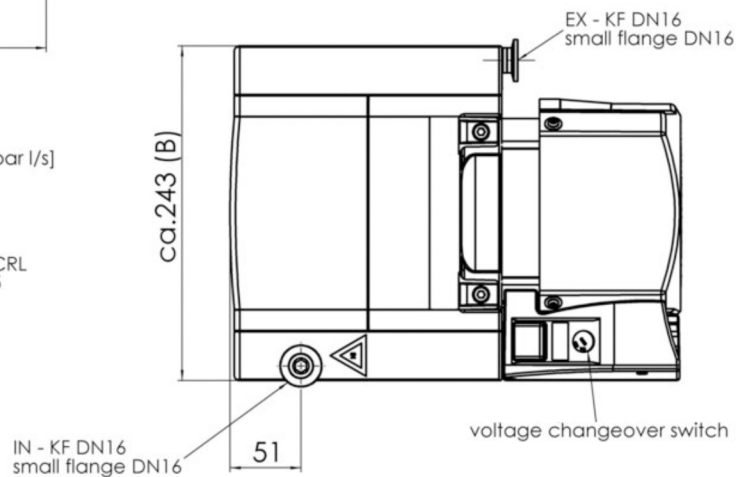
Dimensions



integral leak rate: 1×10^{-3} [mbar l/s]

weight 19,8 kg
all dimensions (mm)

VACUUBRAND MD 4CRL
Version 2009/11/05





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Features & Benefits

- excellent for applications requiring an especially high leak tightness
- advantageous combination of high pumping speed & very low ultimate vacuum
- increased reliability & operating life
- outstanding chemical resistance
- whisper quiet & very low vibration
- maintenance-free drive system

Applications

- rotary evaporators • vacuum concentrators • drying chambers • local area vacuum networks for laboratories

