

MERKURION® *pro*

Ion getter pump made by **VACOM®**

EN



- Long lifetime of 70.000 h at 1×10^{-6} mbar
- Higher pumping speed at same dimensions
- Excellent temperature homogeneity over the entire pump



NICHTS ist unerreichbar.

Technical Data

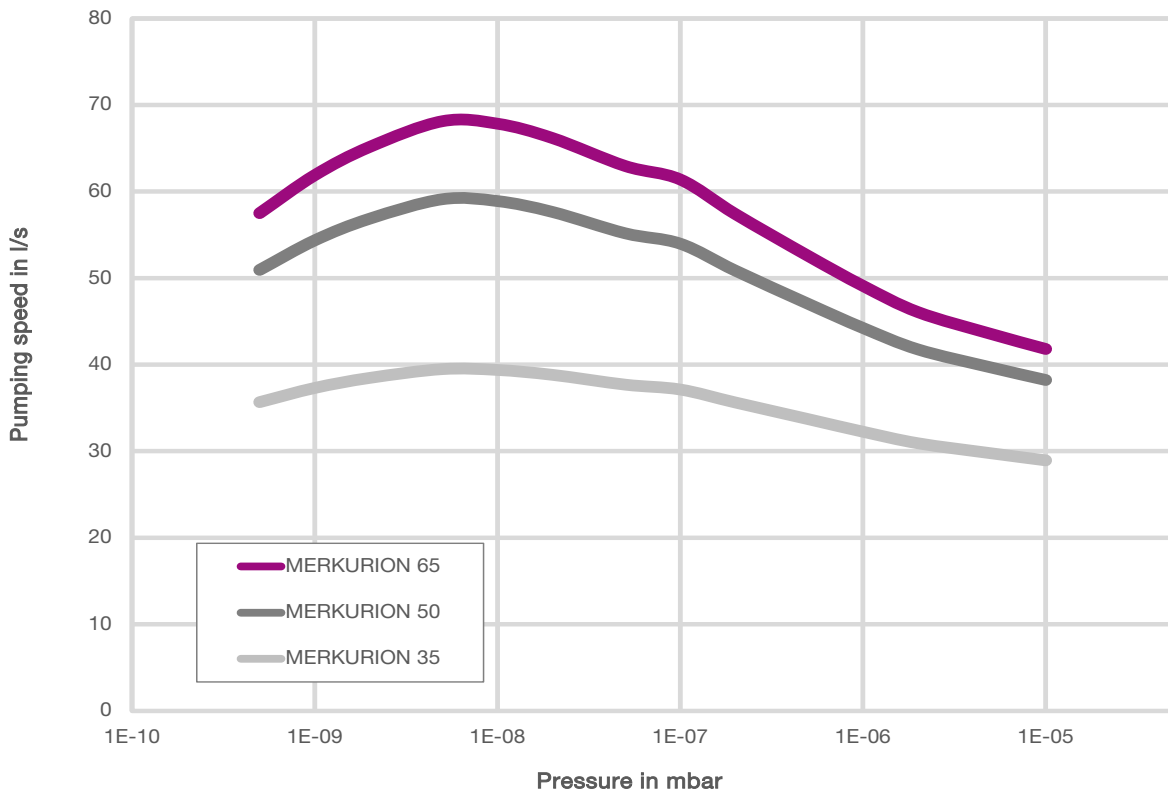
	MERKURION® 35 pro	MERKURION® 50 pro	MERKURION® 65 pro
■ Flange Connection	DN 40 CF	DN 63 CF	DN 100 CF
■ Nominal Pumping Speed*	39 l/s	59 l/s	68 l/s
■ Pumping Element	Diode Noble Diode		
■ Recommended Working Pressure	< 1×10^{-6} mbar		
■ Stable for noble gases	Yes, with variation of the Noble Diode		
■ Operating Life**	> 70.000 h at 1×10^{-6} mbar		
■ Ultimate Pressure	$\leq 1 \times 10^{-11}$ mbar		
■ Starting Pressure	< 1×10^{-3} mbar		
■ Bakeout Temperature	< 250 °C with magnets, with cable < 450 °C only pump body and electrical feedthrough		
■ Weight	16,5 kg	17 kg	18 kg
■ Dimensions	191 x 132 x 241 mm	203 x 132 x 241 mm	205 x 132 x 241 mm
■ HV Connection	10 kV SHV, SAFECOM		
■ Operating Voltage	3 – 7 kV		
■ Delivery State	■ cleaned (PC 2 & UHV 1)*** ■ under vacuum ■ factory function test		

* pumping speed in saturation for N₂ at 7 kV, DN 100 CF, conforms to DIN 28429

** dependant on operating parameters (e.g. voltage and type of gas)

*** See VACOM Purity Class 2 and Vacuum Class UHV 1

Pumping Speed



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202103 – Ion Getter Pumps