

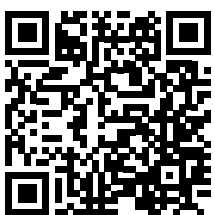
MERKURION® *basic*

EN

Ion getter pump made by VACOM®



- Long lifetime of 50.000 h at 1×10^{-6} mbar
- Reliable UHV and XHV for your application
- Low-maintenance and fail-safe



We supply future.

Technical data

	MERKURION® basic series
Pumping element	Diode
Stable for noble gases	No
Max. lifetime*	50.000 h at 1×10^{-6} mbar
Max. starting pressure	$< 1 \times 10^{-3}$ mbar
Recommended working pressure	$< 1 \times 10^{-6}$ mbar
Min. ultimate pressure	$< 1 \times 10^{-11}$ mbar
Bakeout temperature	< 250 °C with magnets and HV-cable < 450 °C only pump body and electrical feedthrough
HV connection	10 kV SHV, with SAFECONN Exception MERKURION® 3 basic: 5 kV SHV
Operating voltage	+3.000 .. 7.000 V Exception MERKURION® 3 basic: +3.000 .. 5.000 V
Delivery state	Under vacuum

	Flange connection	Nominal pumping speed**	Weight	Dimensions	Art. no. (opt. with heater)
MERKURION® 3 basic	DN 16 CF	3 l/s	0,5 kg	47 × 83 × 83 mm ³	374040
MERKURION® 5 basic	DN 40 CF	5 l/s	2,3 kg	106 × 72 × 95 mm ³	374039
MERKURION® 10 basic	DN 40 CF	10 l/s	5,1 kg	80 × 143 × 218 mm ³	374038
MERKURION® 20 basic	DN 40 CF	19 l/s	8,5 kg	200 × 130 × 160 mm ³	375955 (369944)
MERKURION® 80 basic	DN 100 CF	78 l/s	21,9 kg	241 × 130 × 278 mm ³	375956 (370287)
MERKURION® 150 basic	DN 100 CF	145 l/s	35,2 kg	338 × 261 × 234 mm ³	373823 (370724)
MERKURION® 300 basic	DN 160 CF	290 l/s	64,5 kg	450 × 345 × 234 mm ³	373732 (373914)

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

**Pumping speed for N₂ at 7 kV, conforms to DIN 28429

Accessories



HV-cable*

*Various cables and controllers suitable for your application can be found in our shop.



Controller*

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