

RANGU DF 1000-2800 A

Diffusion vacuum pumps



VACUUM SOLUTIONS



Reliable

Robust construction, perfectly suited for demanding processes, nearly maintenance-free

High performance

Designed for all industrial high vacuum applications, such as glass coating, vacuum furnaces, metal coating, high and stable pumping speeds under varying conditions, inlet pressure

$\leq 10^{-3}$ hPa (mbar)

Quiet

Low noise and vibration levels

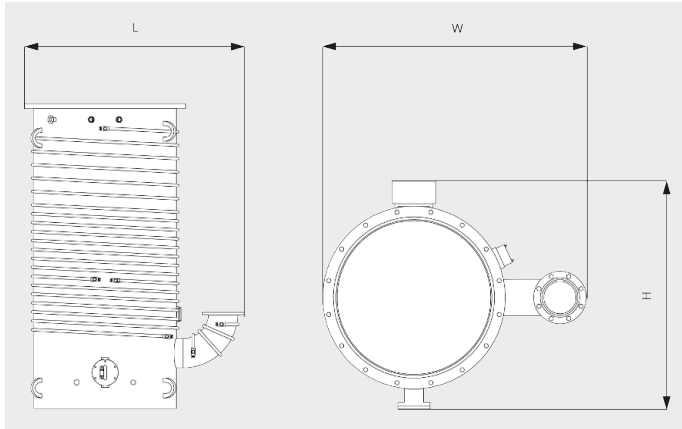
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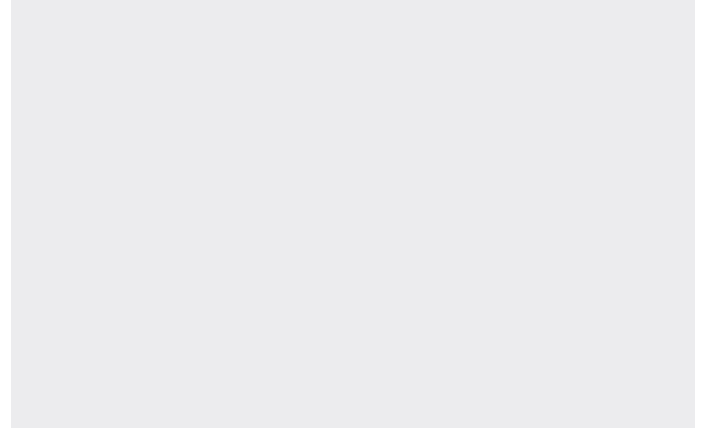
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Dimensional drawing



Pumping speed

Air at 70°F. Tolerance: ± 10%



	RANGU DF 1000 A	RANGU DF 1700 A	RANGU DF 2800 A
Nominal pumping speed for N ₂	10000 l/s	17300 l/s	28000 l/s
Recommended size of backing pump	100.0 ACFM	300.1 ACFM	300.1 ACFM
Ultimate pressure	< 5 · 10 ⁻⁸ TORR	< 5 · 10 ⁻⁸ TORR	< 5 · 10 ⁻⁸ TORR
Max. foreline pressure for N ₂	0.6 TORR	0.5 TORR	0.5 TORR
Operating power	16.1 HP	32.2 HP	32.2 HP
Cooling water consumption	6 l/min	15 l/min	15 l/min
Required cooling water temperature	59 – 78.8 °F	59 – 78.8 °F	59 – 78.8 °F
Warm-up time	45 min	60 min	60 min
Operating fluid charge	4.7 l	11.4 l	11.4 l
Weight approx.	598.4 Lbs.	1500.4 Lbs.	1500.4 Lbs.
Dimensions (W x H x Ø)	42.1 x 48 x 27.2 inches	49.3 x 68.5 x 36.2 inches	69.0 x 72.1 x 44.1 inches
Gas inlet / outlet	DN 630 ISO-K / DN 160 ISO-K	DN 800 ISO-K / DN 200 ISO-K	DN 1000 ISO-K / DN 200 ISO-K

DO YOU WANT TO KNOW MORE?

Get in touch with us directly!
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