

# 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

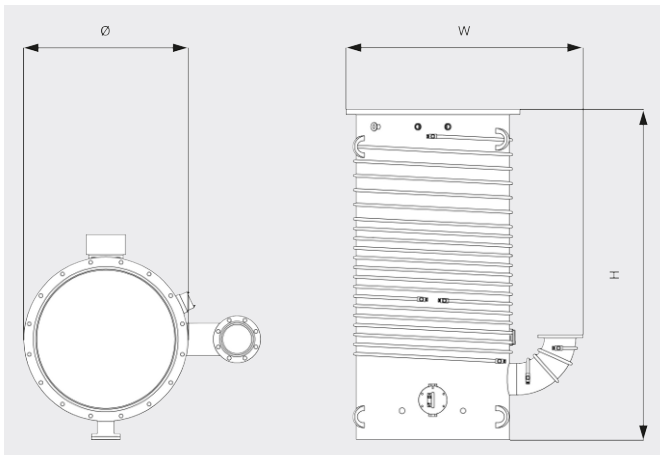
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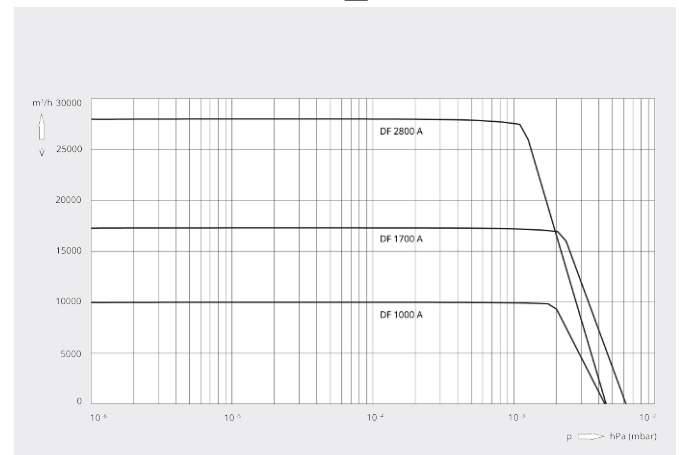
Dimensional drawing



Pumping speed

Air at 20°C. Tolerance: ± 10%

— 50 Hz ..... 60 Hz



|                                           | RANGU DF 1000 A                   | RANGU DF 1700 A                   | RANGU DF 2800 A                   |
|-------------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| Nominal pumping speed for N <sub>2</sub>  | 10000 l/s                         | 17300 l/s                         | 28000 l/s                         |
| Recommended size of backing pump          | 170 m³/h                          | 510 m³/h                          | 510 m³/h                          |
| Ultimate pressure                         | < 7 · 10 <sup>-8</sup> hPa (mbar) | < 7 · 10 <sup>-8</sup> hPa (mbar) | < 7 · 10 <sup>-8</sup> hPa (mbar) |
| Max. foreline pressure for N <sub>2</sub> | 0.86 hPa (mbar)                   | 0.66 hPa (mbar)                   | 0.73 hPa (mbar)                   |
| Operating power                           | 12 kW                             | 24 kW                             | 24 kW                             |
| Cooling water consumption                 | 6 l/min                           | 15 l/min                          | 15 l/min                          |
| Required cooling water temperature        | 15 – 26 °C                        | 15 – 26 °C                        | 15 – 26 °C                        |
| Warm-up time                              | 45 min                            | 60 min                            | 60 min                            |
| Operating fluid charge                    | 4.7 l                             | 11.4 l                            | 11.4 l                            |
| Weight approx.                            | 272 kg                            | 682 kg                            | 682 kg                            |
| Dimensions (W x H x Ø)                    | 1070 x 1219 x 690 mm              | 1253 x 1740 x 920 mm              | 1753 x 1832 x 1120 mm             |
| 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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