

# Rangu DF 1000 - 2800 A

Rangu are the new diffusion vacuum pumps for high-vacuum applications from Busch. The three sizes of Rangu are ideal for applications when high-vacuum up to  $<10^{-8}$  hPa (mbar) and the highest pumping speeds and gas flow rates are required.

## **Robust and proven**

Rangu diffusion vacuum pumps work according to the proven vapour steam principle and are characterized by their outstanding reliability. Even under the most demanding operating conditions that would destroy other vacuum pumps, the Rangu diffusion vacuum pumps are operationally reliable, with consistently high performance and a long life span.

## **Operationally reliable and cost-effective**

With Rangu diffusion vacuum pumps, almost all reactive gases and vapours can be pumped. They function with a high degree of efficiency and require very little maintenance.

Rangu diffusion vacuum pumps can be operated with an inlet pressure from  $10^{-3}$  mbar. To generate the fore-vacuum, we recommend a vacuum system consisting of a proven R 5 rotary vane vacuum pump or a COBRA dry-running screw vacuum pump, each with a vacuum pump as a booster. Busch offers an extensive range of vacuum systems that offer excellent adjustment possibilities for generating the fore-vacuum for Rangu diffusion vacuum pumps.

## **Applications**

Rangu diffusion vacuum pumps are ideally suited for all industrial high-vacuum applications, such as:

- Glass coating units
  - Vacuum furnaces
  - Metal coatings
  - Physical vapour deposition (PVD)
  - Surface treatments
  - Thin film coating
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Rangu – high vacuum levels for demanding processes.