

Stainless Rotary Valve

RF 20R - RF 40R

Data sheet

Rotary valves are highly efficient devices for discharging material from a cyclone or filter under vacuum or pressure, as well as for feeding granules or flakes into a pressurized air conveying pipeline. They can also facilitate the transfer of material in combined systems that transition between different pressure levels.

The stainless-steel rotary valves RF 20R and RF 40R are designed and manufactured for efficient feeding and unloading of various materials.

All metal parts in contact with the conveyed material are manufactured from 1.4301 (AISI 304) stainless steel to prevent contamination. The rotor features six blades with PUR sealing lips at the material contact points.

- **Maximum material temperature:** 70°C
- **Rotor:** 6 blades with PUR sealing lips
- **Drive system:** Equipped with helical worm gear motors (0.55 kW-1.1 kW)
- **Pressure handling:** Supports a pressure difference of up to 40,000 Pa between the top and bottom

RF 20R Technical Data

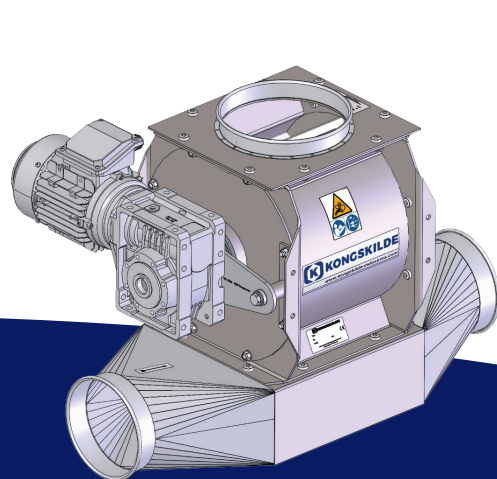
Rotary Valve RPM	Gear Ratio	Motor kW	Capacity 70% filling m³/h	Capacity 85% filling m³/h*	Power Supply	Motor RPM	Gear Drive	Weight** kg
31	1:45	0.55	21	25	3 x230/400V 50Hz	1500	Worm	48
37	1:38	0.75	25	30	3 x230/400V 50Hz	1500	Worm	52

RF 40R Technical Data

Rotary Valve RPM	Gear Ratio	Motor kW	Capacity 70% filling m³/h	Capacity 85% filling m³/h*	Power Supply	Motor RPM	Gear Drive	Weight** kg
28	1:50	1.1	34	41	3 x230/400V 50Hz	1500	Worm	70

*With normal, easy floating granules 85% filling can be used

** The weight is without inlet and horizontal outlet

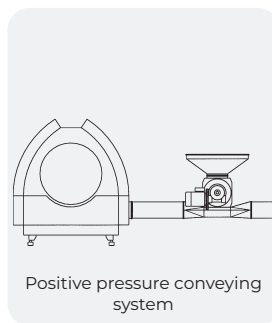
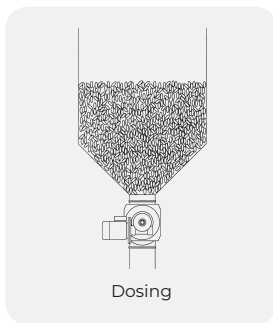
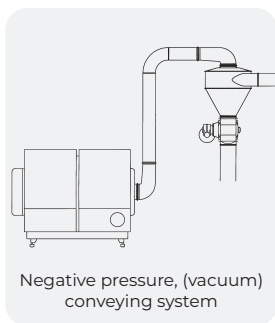
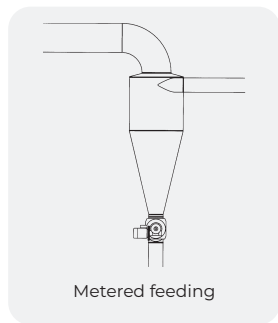


RF 20R



RF 40R

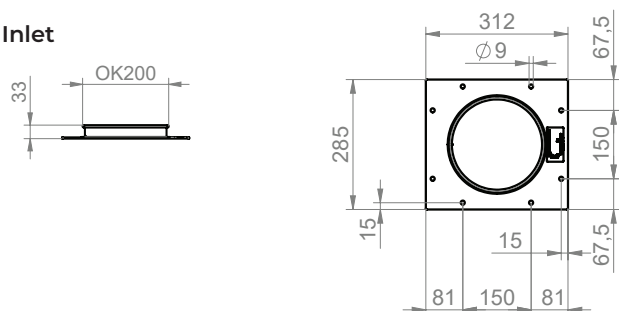
Typical Applications



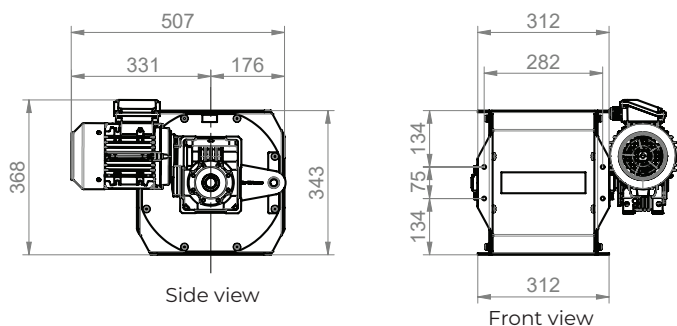
Dimensions

RF 20R Dimensions, mm

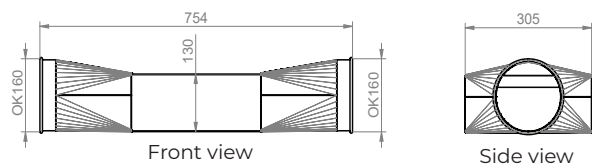
Inlet



Rotary Valve

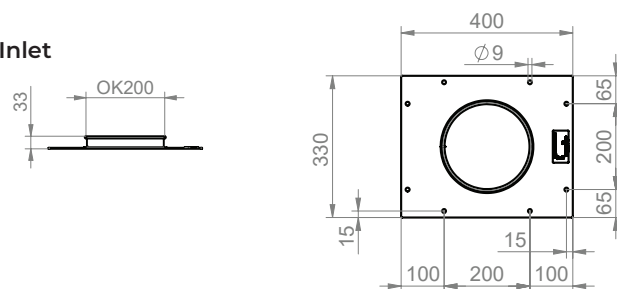


Outlet

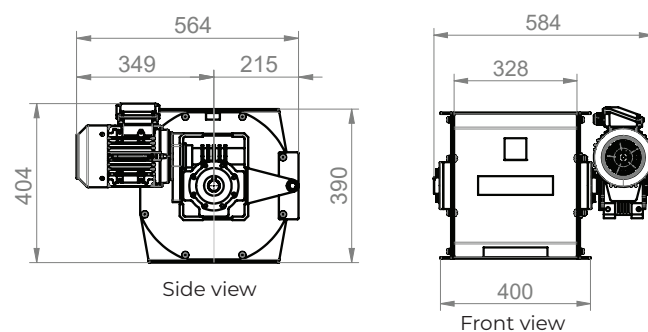


RF 40R Dimensions, mm

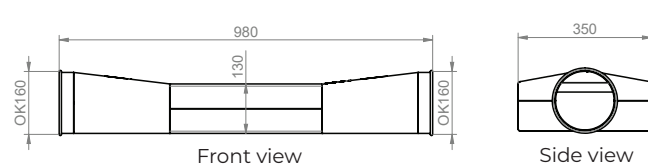
Inlet



Rotary Valve



Outlet



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