

NRS rotary valves, type 4,10,20,30 and 10-Q

Continuous emptying of the dust collector hopper



NRS rotary valves, type 4,10,20,30 and 10-Q

- ✓ Robust construction.
- ✓ Long lifetime. The rotor is equipped with an elastic clutch, which reduces the possibility of damage in use and maximizes the life of the unit.
- ✓ Effective air lock between the inlet and outlet provided due to the special rubber blends.

The NRS type rotary valve is used to transfer material between two separate systems. In pneumatic conveying systems discharge is usually required from the filter or cyclone to the silo, at atmospheric pressure. This is an ideal application for the NRS type rotary valve.

The rotary valve can be used for most material types, though the particle size must not exceed 13 x 13 x 13 mm (.5 x .5 x .5 in).

The NRS type rotary valve is modular and robustly constructed in heavy steel plate. The rotor of each module is equipped with an elastic clutch. This reduces the possibility of damage in use and maximises the life of the unit. The rotor has special rubber seals, which provide an effective air lock between the inlet and the outlet.

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Certifications	[ce]
Noise level (dB(A))	<70
Protection class	IP55
Installation	Outdoor, Indoor
Material	Heavy steel plate
[ProductSuitableForCombustableDust]	False
Application	[dust]
Operating Temperature	-20°C to +40°C

Models

	Item no	Weight (kg)	Power (kW)
	73009015 ^[1]	50	
	73009016 ^[2]	67	0,18
	73009018 ^[3]	67	0,75
	73009019 ^[4]	107	
	73009021 ^[5]	124	0,75
	73009022 ^[6]	214	
	73009024 ^[7]	243	0,75
	73009025 ^[8]	321	
	73009027 ^[9]	338	0,75

^[1] Capacity at 100% filling - 2 m³/h per RPM

^[2] Capacity at 100% filling - 14 m³/h

^[3] Capacity at 100% filling - 65 m³/h

^[4] Without motor. Capacity at 100% filling - 4,9 m³/h per RPM

^[5] Capacity at 100% filling - 157 m³/h

^[6] Without motor. Capacity at 100% filling 9,8 m³/h per RPM

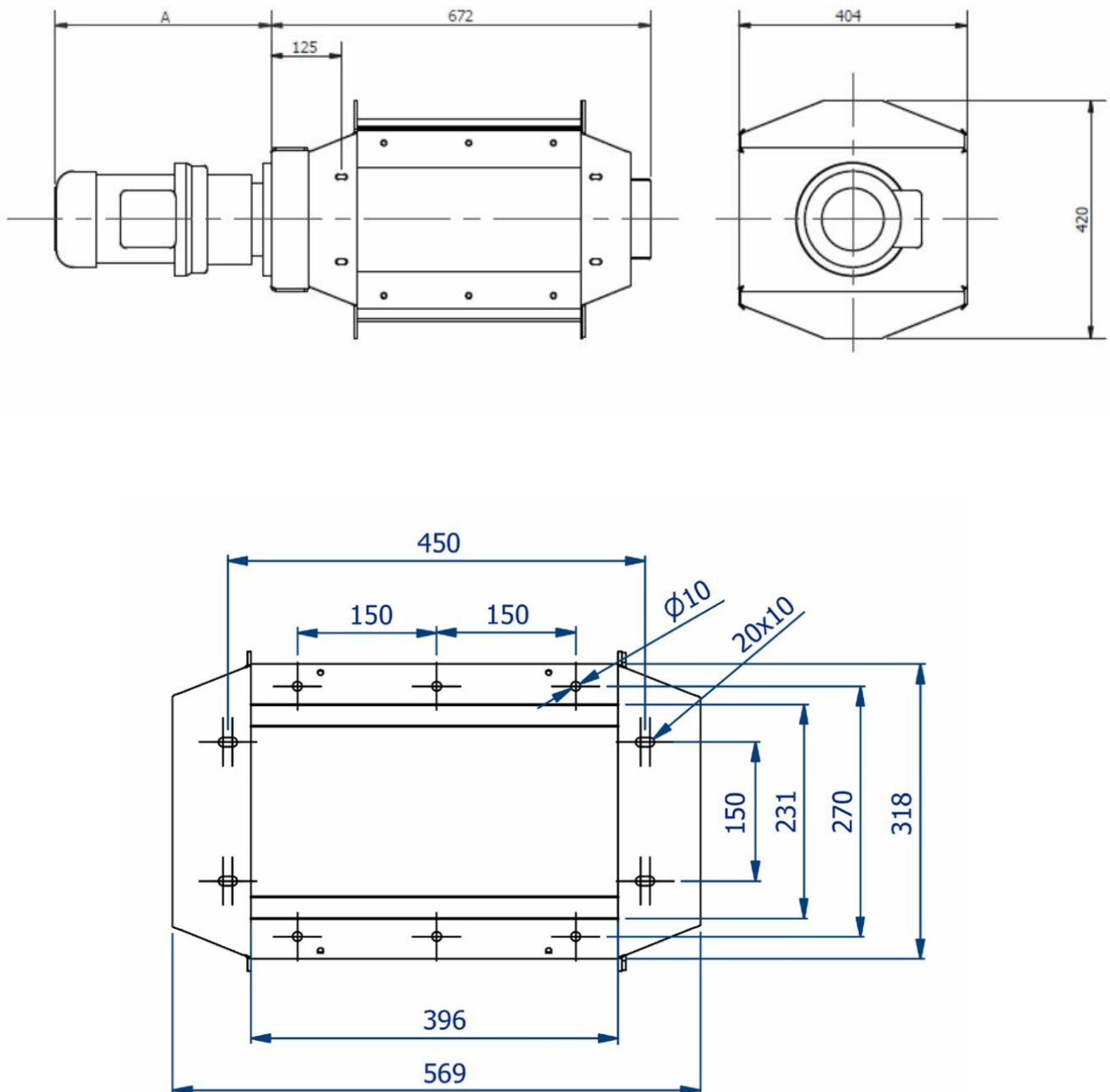
^[7] Capacity at 100% filling - 314 m³/h

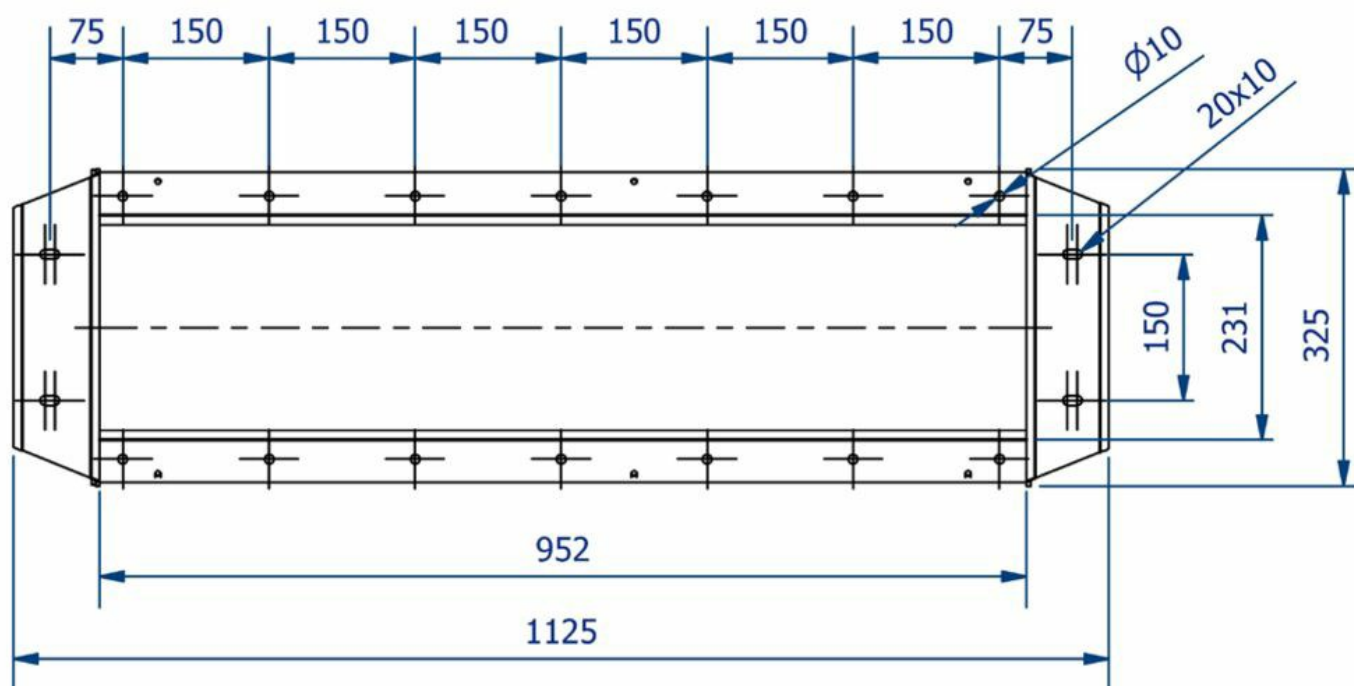
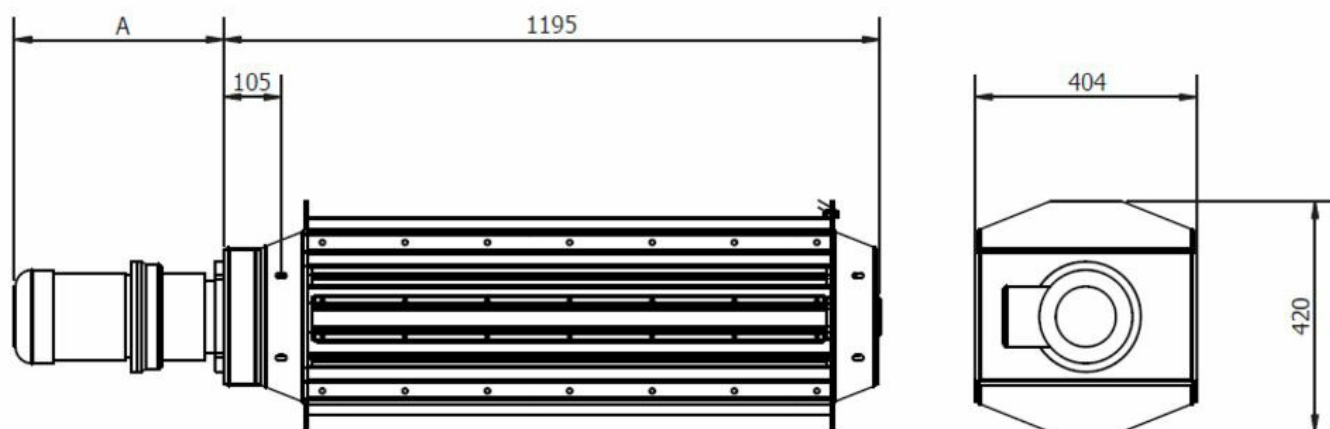
^[8] Without motor. Capacity at 100% filling - 14,7 m³/h per RPM

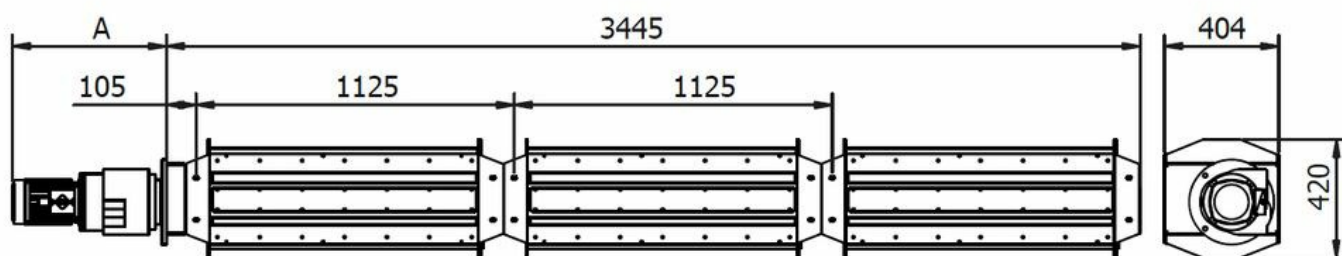
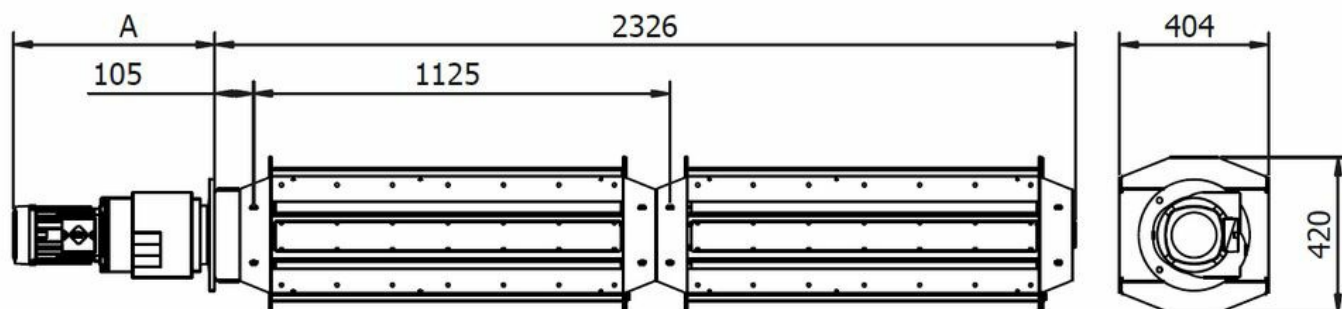
^[9] Capacity at 100% filling - 471 m³/h

Accessories

	Accessory	Item no
	Rotation sensor for NRS with assembly kit	73008689







Leakage

The leakage of the rotary valve during shutdown (S) and during operation (R) depends on the pressure drop over the rotor. See the chart:

