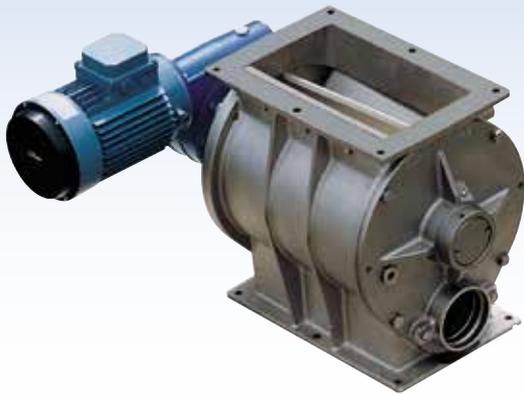


Plastics Processing

RVS Blow-Through Rotary Valves



15



Description ▼

RVS Blow-Through Rotary Valves consist of a tubular cast iron or stainless steel casing, a horizontally mounted rotor with a certain number of oblique V-shaped cross section compartments, a drive unit and a casing cover at each end.

Function ▼

Two compartments at a time of the continuously turning rotor are filled up with material through the inlet at the top of the Rotary Valve. After less than half a turn the material falls through the bottom opening into an air stream passing through a pneumatic conveying duct connected with the bottom part of the Rotary Valve.



Applications ▼

RVS Blow-Through Rotary Valves are usually fitted at the outlet of a bin, silo or hopper upstream of a pneumatic conveying duct into which they accurately feed the material.

Benefits ▼

- ✓ No product contamination due to the 304/316 SS construction and air-injected seals;
- ✓ Zone 22 ATEX-certified;
- ✓ 304 SS insert for granules;
- ✓ Cast iron or 304/316 SS construction material, nickel coating and various other rotor versions available to offer the best configuration for most application requirements;
- ✓ Pipe connections already included simplify unit installation and removal.

Plastics Processing

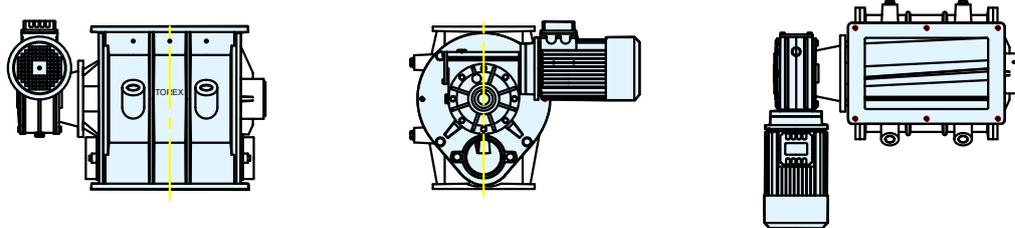
RVS Blow-Through Rotary Valves



Technical Features / Performance ▼

- ▶ Feed rates: 5, 9, 14, 20, 38 litres per revolution (0.17, 0.3, 0.5, 0.7, 1.3 cu ft per revolution)
- ▶ Working temperature: -20 °C to 150 °C (-4° F to 240° F)
- ▶ Maximum differential pressure: 0.8 bar (11.6 PSI)
- ▶ Cast iron or 304/316 SS construction
- ▶ Nickel coating available
- ▶ Rotor with chamfered blades
- ▶ Easy access to internal mechanical parts
- ▶ Sturdy compact structure
- ▶ Small footprint
- ▶ Drive unit mounted directly on shaft without any further bearing assembly or coupling
- ▶ Rectangular inlet flanges
- ▶ Counterflanges to be welded on pneumatic duct to ease rotor movement
- ▶ Blade scraper installed inside the inlet
- ▶ Different construction materials and treatments available depending on material handled

Overall Dimensions ▼



Dimensions in mm									Motor	
Type	Q1	Q2	Q3	R1	R2	R3	H	kW	min-1	
30 RPM	RVS/C35	890	558	332	740	217	523	530	2,2	1400
	RVS/C20	705	444	261	608	181	426	447	1,5	1400
	RVS/C15	605	390	215	588	162	426	399	1,1	1400
	RVS/C10	572	372	200	560	140	420	339	0,75	1400
	RVS/C05	505	342	163	550	130	420	335	0,55	1400

Dimensions in mm									Motor	
Type	Q1	Q2	Q3	R1	R2	R3	H	kW	min-1	
20 RPM	RVS/C35	890	558	332	740	217	523	530	1,5	900
	RVS/C20	705	444	261	608	181	426	447	1,1	900
	RVS/C15	605	390	215	588	162	426	399	0,75	900
	RVS/C10	572	372	200	560	140	420	339	0,55	900
	RVS/C05	505	342	163	550	130	420	335	0,55	900

Dimensions in mm									Motor		Pre-Torque
Type	Q1	Q2	Q3	R1	R2	R3	H	kW	min-1		
10 RPM	RVS/C35	890	558	332	740	217	523	530	1,1	900	NO
	RVS/C20	658	397	261	591	181	410	447	0,75	1400	YES
	RVS/C15	585	370	215	572	162	410	399	0,55	1400	YES
	RVS/C10	542	342	200	527	140	387	339	0,37	1400	YES
	RVS/C05	475	342	163	517	130	387	335	0,37	1400	YES

This datasheet might not show the complete range but only the models most suitable for the application.