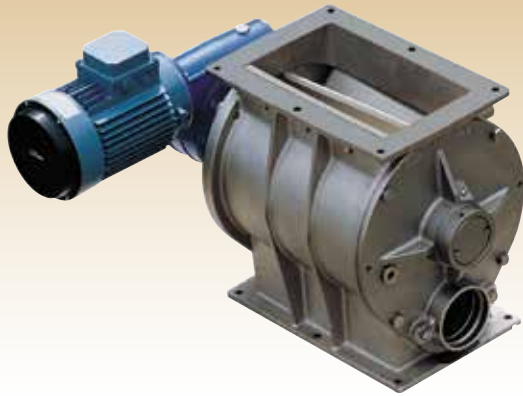


Biscuit Processing

RVS Blow-Through Rotary Valves



2



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.

Application ▼

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 the material is accurately fed.

Benefits ▼

- ✓ No product contamination due to 304/316 SS design and air-injected seals;
- ✓ Zone 22 ATEX-certified;
- ✓ 304 SS inserts for granules;
- ✓ Cast iron or 304/316 SS 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.

Biscuit Processing

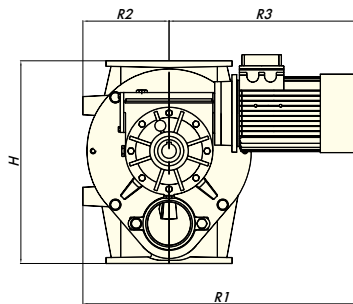
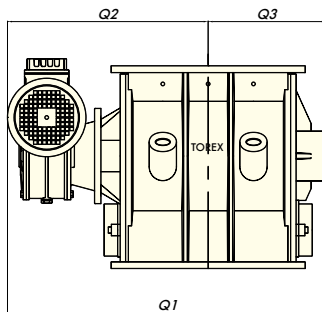
RVS Blow-Through Rotary Valves



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
- ▶ Nickel coating available
- ▶ Rotor with bevelled 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
- ▶ Blade scraper installed inside the inlet to ease rotor movement
- ▶ Different materials and treatments available depending on material handled

Overall Dimensions



	TYPE	Dimensions in mm						Electric Motor		
		Q1	Q2	Q3	R1	R2	R3	H	kW	min ⁻¹
30 RPM	RVS/C 05	505	342	163	550	130	420	335	0.55	1,400
	RVS/C 10	572	372	200	560	140	420	339	0.75	1,400
	RVS/C 15	605	390	215	588	162	426	399	1.1	1,400
	RVS/C 20	705	444	261	608	181	426	447	1.5	1,400
	RVS/C 35	890	558	332	740	217	523	530	2.2	1,400
	RVS/C 80	1,165	718	447	890	277	613	677	3.0	1,400

	TYPE	Dimensions in mm						Electric Motor		
		Q1	Q2	Q3	R1	R2	R3	H	kW	min ⁻¹
20 RPM	RVS/C 05	505	342	163	550	130	420	335	0.55	900
	RVS/C 10	572	372	200	560	140	420	339	0.55	900
	RVS/C 15	605	390	215	588	162	426	399	0.75	900
	RVS/C 20	705	444	261	608	181	426	447	1.1	900
	RVS/C 35	890	558	332	740	217	523	530	1.5	900
	RVS/C 80	1,165	718	447	883	277	556	677	2.2	900

	TYPE	Dimensions in mm						Electric Motor		Pre-Torque	
		Q1	Q2	Q3	R1	R2	R3	H	kW		min ⁻¹
10 RPM	RVS/C 05	475	342	163	517	130	387	335	0.37	1,400	YES
	RVS/C 10	542	342	200	527	140	387	339	0.37	1,400	YES
	RVS/C 15	585	370	215	572	162	410	399	0.55	1,400	YES
	RVS/C 20	658	397	261	591	181	410	447	0.75	1,400	YES
	RVS/C 35	890	558	332	740	217	523	530	1.1	1,400	NO
	RVS/C 80	1,150	703	447	832	277	555	677	1.5	1,400	NO

Rights reserved to modify technical specifications.

DS.2130.RVS.ET.Novembre 2013..R00

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



www.wamgroup.com