Asphalt Mixing

Blow-Through Rotary Valves RVS

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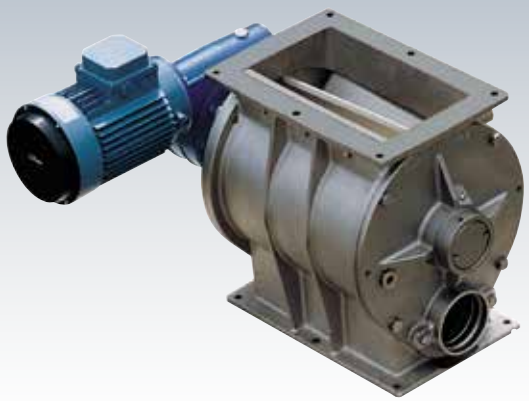

Description

RVS Blow-Through Rotary Valves consist of a tubular cast iron 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 hopper upstream of a pneumatic conveying duct into which the additive is accurately fed into the weigh hopper on top of the twin shaft mixer.

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Benefits

- ✓ **Material: cast iron, chromed body and various rotor versions available;**
- ✓ **Pipe connections included simplifying unit installation and removal.**

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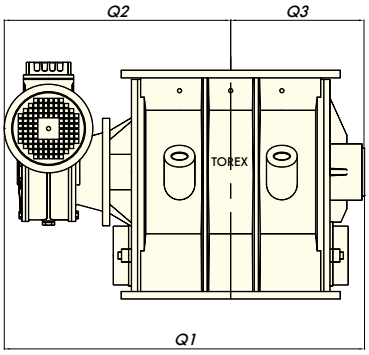
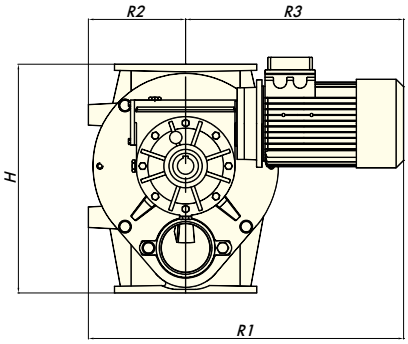
Technical Features / Performance

- Feed rates: 9, 14, 20, 38, litres per revolution (0.3, 0.5, 0.7, 1.3, cu ft per revolution)
- Working temperature: -20 °C ~ 220 °C (-4° F ~ 428° F)
- Maximum differential pressure: 0.8 bar (11.6 psi)
- Cast iron
- Rotor with beveled blades
- Chrome-plated casing for abrasive materials
- 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 conveying duct
- Blade scraper installed inside the inlet to ease rotor movement

Overall Dimensions





	TYPE	Dimensions in mm							Electric Motor	
		Q1	Q2	Q3	R1	R2	R3	H	kW	min^{-1}
30 RPM	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

	TYPE	Dimensions in mm							Electric Motor	
		Q1	Q2	Q3	R1	R2	R3	H	kW	min^{-1}
20 RPM	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

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