

"R"... Rotary vibrator

Flat bottom rotary vibrators are perfect for treating large and bulky as well as delicate parts. The flat bottom ensures a perfect immersion of the parts into the media mass. For parts that need to be processed individually without touching each other, so-called "paddle wheels" with dividers are available which create separate processing chambers in the work bowl. Finished parts are usually taken out manually. Bottom unload gates allow complete evacuation of the work bowl and external separation of media from parts (option).

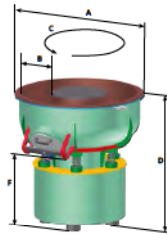
Technical details:

- ▶ Flat bottom processing channel
- ▶ Reversing of rotational direction of vibratory motor moves the parts to the top of the media mass for easy manual removal
- ▶ Rösler double-flange vibratory motor with 2 speeds (1,500 and 1,000 rpm at 50 Hz); easy and safe lubrication of the bearings
- ▶ Adjustable imbalance weights allow different grinding intensities
- ▶ Wear resistant lining made from hot poured polyurethane
- ▶ Flexible design of control panels and compound dosing systems



Multi-Power package:

Two levels of vibratory intensity (amplitude) can be automatically selected for aggressive de-burring followed by gentle smoothing.



"R"...HS high speed vibrators

Process bowl:

- ▶ Made with specially treated steel
- ▶ Special gusseting for extra strength
- ▶ Wear resistant, double-thick lining made from hot poured polyurethane
- ▶ Special high performance Rösler vibratory motor Power+, amplitude up to app. 10 mm
- ▶ Central lubrication



"R"...KP special ball burnishing systems

For extra heavy loads:

Specially designed for ball burnishing or high-pressure de-burring with steel/stainless steel media.

- ▶ Work bowl re-enforced
- ▶ Rubber lining of work bowl
- ▶ Recommended accessories: Suction pump and splash guard



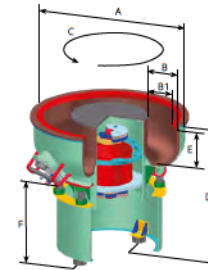
Special work bowl versions R range ...

"R"... rotary vibrators in E-PUR version

Outer wall of process channel equipped with triangular wedge made from polyurethane.

Benefits:

The wedge profile in the outer wall of the process channel speeds up and optimizes the processing of small, delicate parts by preventing them from sticking to the channel wall. The wedge is also very useful for part-on-part processing without media.



Type		R 220 E-PUR	R 320 E-PUR	R 620 E-PUR
Process bowl				
Total volume	l	220	320	620
External diameter max.	mm A	1,190	1,350	100
Process bowl width	mm B	260	330	430
Max. parts width	mm B1	185	240	300
Overall length of processing channel	mm C	2,600	2,840	3,510
Machine height	mm D	1,070	1,070	1,200
Process bowl useable depth	mm E	250	280	340
Height media unload plug	mm F	645	595	625
Drive power				
Speed (at 50 Hz/60 Hz)*	RPM	1,500	1,500	1,500
Connected load	kW	3	3	7.5
Media unload plug				
	Ø mm	190	190	190

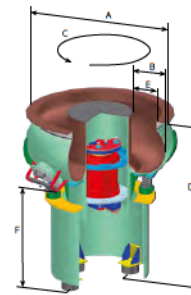
* Standard speed 1,500 and 1,000 RPM · Variable speed with frequency inverter

"R"... rotary vibrators in E-M version

The outer wall of the process channel has a curved profile.

Benefits:

The curved exterior wall of the process channel optimizes the rotational movement of the parts/ media mass. Especially beneficial for processing of light-weight parts which do not easily immerse into the media but tend to float on the top.



Type		R 125 E-M	R 220 E-M	R 320 E-M	R 420 E-M	R 620 E-M
Process bowl						
Total volume	l	125	220	320	420	620
External diameter max.	mm A	850	1,130	1,280	1,440	1,595
Process bowl width	mm B	215	260	335	350	430
Overall length of processing channel	mm C	1,950	2,600	2,840	3,250	3,510
Machine height	mm D	1,010	1,030	1,100	1,165	1,240
Max. parts width	mm E	160	200	240	260	310
Height media unload plug	mm F	640	570	580	620	625
Drive power						
Speed (at 50 Hz/60 Hz)*	RPM	1,500	1,500	1,500	1,500	1,500
Connected load	kW	0.75	3	3	7.5	7.5
Media unload plug						
	Ø mm	105	190	190	190	190

* Standard speed 1,500 and 1,000 RPM · Variable speed with frequency inverter

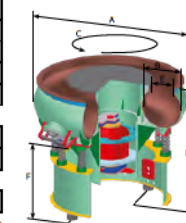
"R"... rotary vibrators in 2-E version

Work bowl with double curved wall processing channel.

Benefits:

Both, inner and outer wall of the processing channel are curved. This creates an ideal rotational movement of the parts/media mass: Specifically recommended for:

- ▶ ISF/REM® Superfinishing applications
- ▶ Light-weight parts
- ▶ Delicate parts



Type		R 420 2-E	R 620 2-E
Process bowl			
Total volume	l	330	530
External diameter max.	mm A	1,440	1,595
Process bowl width	mm B	365	430
Overall length of processing channel	mm C	3,250	3,510
Machine height	mm D	1,010	1,210
Max. parts width	mm E	220	235
Height media unload plug	mm F	530	645
Drive power			
Speed (at 50 Hz/60 Hz)*	RPM	1,500	1,500
Connected load	kW	7.5	7.5
Media unload plug			
	Ø mm	190	190

* Standard speed 1,500 and 1,000 RPM · Variable speed with frequency inverter

Type	R 125		R 220	R 320			R 420	R 620			R 780		R 1050	R 1400	R 2600	R 3500	
	R 125	R 125 KP		R 320	R 320 KP	R 320 HS		R 620	R 620 KP	R 620 HS	R 780	R 780 HS					
Process bowl																	
Total volume	l	125	125	220	320	320	320	420	620	620	620	780	780	1,050	1,400	2,600	3,500
External diameter max.	mm A	910	910	1,190	1,350	1,350	1,350	1,520	1,695	1,695	1,695	1,805	1,810	1,805	2,210	2,520	2,905
Process bowl width	mm B	210	210	250	330	335	305	360	430	430	430	435	435	455	650	765	890
Overall length of processing channel	mm C	1,950	1,950	2,600	2,840	2,840	2,840	3,250	3,510	3,510	3,510	3,815	3,815	3,750	4,400	4,900	5,660
Machine Height	mm D	1,010	1,010	1,070	1,070	1,110	1,110	1,235	1,200	1,280	1,225	1,225	1,225	1,225	1,385	1,780	1,765
Height media unload plug	mm F	630	620	645	595	630	630	705	625	625	705	600	600	550	675	840	815
Drive power																	
Speed (at 50 Hz/60 Hz)*	RPM	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500
Connected load	kW	0.75	0.75	3	3	7.5	7.5	7.5	7.5	7.5	Power*12.5	7.5	Power*12.5	7.5	12.5	15	22
Media unload plug																	
	Ø mm	105	105	190	190	190	190	190	190	190	190	190	190	190	□ 320x220	□ 490x320	□ 350x250

* Standard speed 1,500 and 1,000 RPM · Variable speed with frequency inverter

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