

# Roller Vibrators R

Simply constructed high-frequency roller vibrators, wide range for many applications.

## Properties

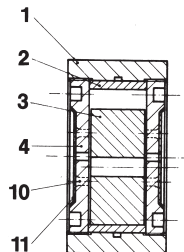
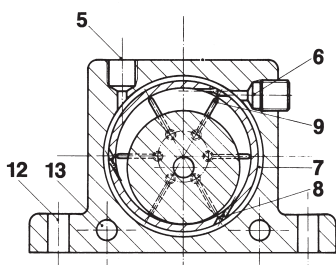
- High motive power
- Rated frequency 10'000 – 36'000 min<sup>-1</sup>
- Centrifugal force 1'070 – 12'500 N
- Continuously variable (compressed air)
- Can be used at up to 150 °C
- Resistant to extreme environmental conditions

## Typical applications

- Emptying of hoppers and chutes
- Screen filters
- Conveying of particulates
- Preventing adhesions in pipelines and silos
- Transport of fine powders
- Compacting of plastic and concrete in troughs

## Construction

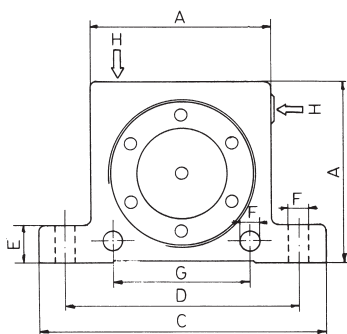
- Vibration created by a rotating precision-steel roller
- Shockproof plastic end plates
- Housing with 4 mounting bores, depending on the application



- 1 Housing made from extruded aluminium alloy
- 2 Cast iron strip
- 3 Steel roller
- 4 Plastic end plates
- 5 Vertical air entry
- 6 Horizontal air entry
- 7 Air channel
- 8 Air supply nozzles
- 9 Outlet openings
- 10 Outlet diffuser
- 11 Sound absorber plate
- 12 Base mounting bores
- 13 Sideways fitting bores

Technical Data (in detail and with PSI, LBS, CF: [www.findeva.com](http://www.findeva.com))

Model	Vibrations 1000 min <sup>-1</sup>		Centrifugal force N		Air consumption l min <sup>-1</sup>	
	2 bars	6 bars	2 bars	6 bars	2 bars	6 bars
R-50	25.0	36.0	1070	4220	100	195
R-65	19.0	26.0	2730	6120	200	400
R-80	15.5	19.0	3000	7450	290	570
R-100	11.0	16.0	3750	8900	370	730
R-120	10.0	12.5	8000	12500	500	970



Sizes and weights in mm and g (more details and including inches at [www.findeva.com](http://www.findeva.com))

Model	A	Width	C	D	E	F	G	H Thread BSP	Weight
R-50	50	29	86	68	12	7	40	1/8"	240
R-65	65	37	113	90	16	9	50	1/4"	545
R-80	80	43	128	104	16	9	60	1/4"	950
R-100	100	52	160	130	20	11	80	3/8"	1810
R-120	120	77	194	152	24	17	-	3/8"	4260