TECHNICAL DATA SHEET PNEUMATIC VIBRATOR

ACBMV B. CASADIO VIBRATION
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Roller vibratortype R50 EX

CE EX II 2 G/D c T6 T85°C

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

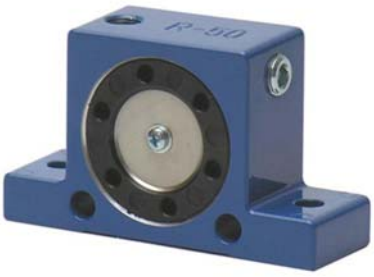
VIBRATING AND PNEUMATIC CARACTERISTICS

	2 Bars/29 PSI	4 Bars/58 PSI	6 Bars/87 PSI
Frequency (RPM)	25000	35000	36000
Force (N)	1070	2920	4220
Force (LBS)	240,99	657,66	950,45
Air cons. (l/min)	100	145	195
Air cons. (CF)	3,57	5,18	6,96

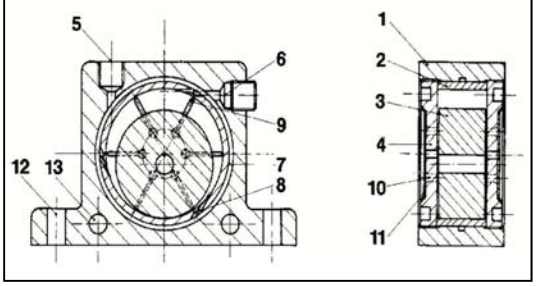
Typical applications:
- Emptying of hoppers and chutes
- Screen filters
- Conveying of particulates
- Preventing adhesions in pipelines and silos
- Transport of fine powders
- Compacting of plastic and concrete in troughs

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

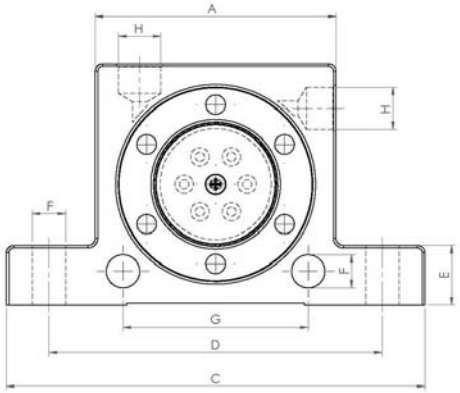
Properties:
- High motive power
- Rated frequency 25000 – 36000 RPM
- Centrifugal force 1070 – 4220 N
- Continuously variable (compressed air)
- Can be used at up to 150°C
- Resistant to extreme environmental conditions

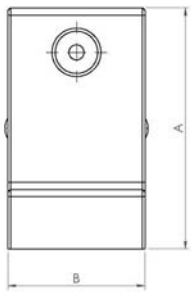


Design:
1 Housing made from extruded aluminium alloy
2 Cast iron strip
3 Steel roller
4 Plastic end plates
5 Vertical air entry
6 Horizontal air entry
7 Air channel
8 Air supply nozzles
9 Outlet openings
10 Outlet diffuser
11 Sound absorber plate
12 Base mounting bores



DIMENSIONAL SPECIFICATIONS





	mm	inch
A	50	1,97
B	29	1,14
C	86	3,39
D	68	2,68
E	12	0,47
F	7	0,28
G	40	40
H	G 1/8”	G 1/8”

	kg	LBS
Vibrator weight	0,24	0,533

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