TECHNICAL DATA SHEET PNEUMATIC VIBRATOR

Roller vibratortype R80

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

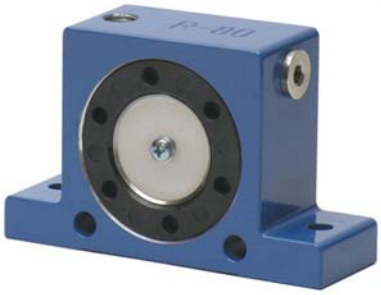
VIBRATING AND PNEUMATIC CARACTERISTICS

	2 Bars/29 PSI	4 Bars/58 PSI	6 Bars/87 PSI
Frequency (RPM)	15500	18500	19000
Force (N)	3000	6090	7450
Force (LBS)	675,68	1371,62	1677,93
Air cons. (l/min)	290	430	570
Air cons. (CF)	10,36	15,36	20,36

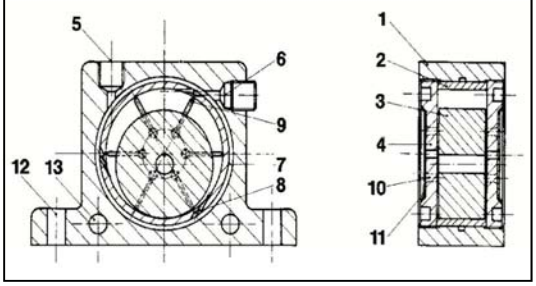
Typical applications:
- Emptying of hoppers and chutes
- Screen filters
- Conveying of particulates
- Preventing adhesions in pipelines and silos
- Transport of fine powders
- Compacting of plastic and concrete in troughs

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

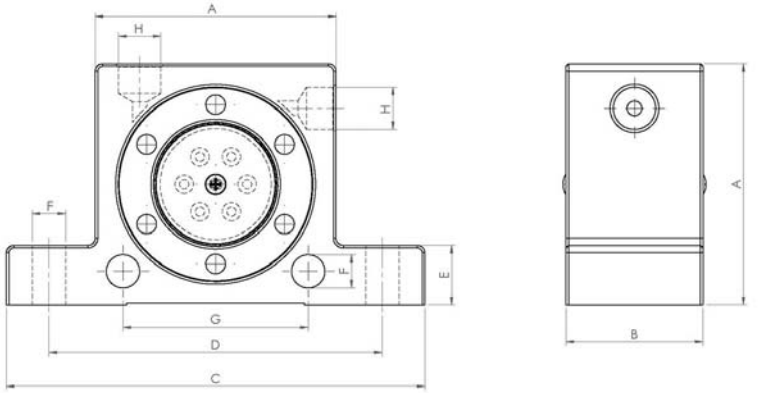
Properties:
- High motive power
- Rated frequency 15500 – 19000 RPM
- Centrifugal force 3000 – 7450 N
- Continuously variable (compressed air)
- Can be used at up to 150°C
- Resistant to extreme environmental conditions



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	80	3,15
B	43	1,69
C	128	5,04
D	104	4,10
E	16	0,63
F	9	0,35
G	60	60
H	G 1/4”	G 1/4”

	kg	LBS
Vibrator weight	0,95	2,111

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