

ACBMV B. CASADIO VIBRATION

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# **Turbine vibrator type T50/LP**

#### Description:

High speed and high working torque for strong vibration at great amplitude. Wide range.

TECHNICAL DATA SHEET PNEUMATIC VIBRATOR

## **VIBRATING AND PNEUMATIC CARACTERISTICS**

	2 Bars/29 PSI	4 Bars/58 PSI	6 Bars/87 PSI	
Frequency (RPM)	17000	21500	23000	
Force (N)	700	1240	1710	
Force (LBS)	157,66	279,28	385,14	
Air cons. (I/min)	67	115	165	
Air cons. (CF)	2,39	4,11	5,89	

## Typical applications:

- Emptying of bunkers
- Screen filters
- Vibrating tables
- Preventing adhesions in pipelines and silos
  Transport of fine powders
  Movement of bulk materials

#### Construction:

- Vibration with a high eccentric torque, caused by the rotor's unbalance
- Low noise level

## Properties:

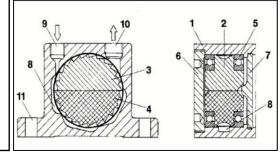
- Rated frequency 17000 23000 RPM
   Centrifugal force 700 1710 N
   Continuously variable (Compressed air)
- Can be used at up to 150°C
- Resistant to extreme environmental conditions



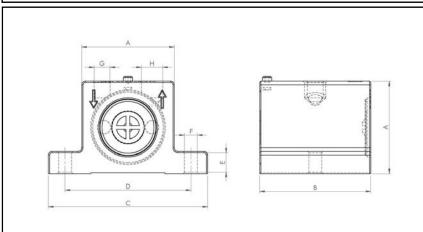
# Design:

- ${\bf 1}$  Housing made from extruded aluminium alloy with hard anodization  ${\bf 2}$  Turbine rotor
- 3 Aluminium = light

- 4 Brass = heavy 5 Ball bearing 6 Plastic end plate with screw thread
- 7 Nylon end plate
- 8 Speed channels
- 9 Air supply 10 Air outlet
- 11 Base mounting bores



## **DIMENSIONAL SPECIFICATIONS**



1		mm		inch	
	Α	50		1,97	
	В	46		1,81	·
	С	86		3,39	
	D	68		2,68	·
	E	12		0,47	
	F	7		0,28	
	G	G 1/8"		G 1/8"	
	Н	G 1/4"		G 1/4"	
		·			
			kg		LBS

	·	
Vibrator weight	0,385	0,856

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