

ACBMV B. CASADIO VIBRATION

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# TECHNICAL DATA SHEET PNEUMATIC VIBRATOR

# **Turbine vibrator type T80/LP**

#### Description:

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

### **VIBRATING AND PNEUMATIC CARACTERISTICS**

	2 Bars/29 PSI	4 Bars/58 PSI	6 Bars/87 PSI	
Frequency (RPM)	9000	11500	13000 3790 853,60	
Force (N)	1840	2960		
Force (LBS)	414,41	666,67		
Air cons. (I/min)	150	260	385	
Air cons. (CF)	5,36	9,29	13,75	

## 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:

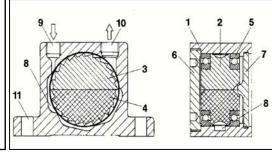
- Rated frequency 9000 13000 RPM
  Centrifugal force 1840 3790 N
- Continuously variable (Compressed air)
- Can be used at up to 150°C
- Resistant to extreme environmental conditions



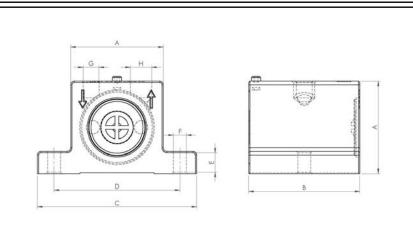
# Design:

- ${\bf 1}$  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**



	mm	inch	
А	80	3,15	
В	56	2,21	
С	128	5,04	
D	104	4,10	
E	16	0,63	
F	11	0,43	
G	G 1/4"	G 1/4"	
Н	G 3/8"	G 3/8"	
	k	g IBS	

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		kg		LBS
	Vibrator weight	1,2	1	2,689

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