

ACBMV B. CASADIO VIBRATION

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# TECHNICAL DATA SHEET PNEUMATIC VIBRATOR

# <u>Lubrication free external piston vibratortype FAL25</u>

#### Description:

 $\label{lem:problem} \mbox{Pneumatic piston vibrators for linear vibration with unlimited fine-tuning facilities for amplitude and frequency. Wide range.}$ 

### **VIBRATING AND PNEUMATIC CARACTERISTICS**

	2 Bars/29 PSI	4 Bars/58 PSI	6 Bars/87 PSI	
Frequency (strike/min)	1130	1550	2020	
Force (N)	120	265	530	
Force (LBS)	27,03	59,68	119,37	
Air cons. (I/min)	40	110		
Air cons. (CF)	1,43	3,93	5,54	

## Typical applications:

- Foodstuffs and pharmaceuticals (lubrication free version FAL)
- Driving conveyor and discharge chutes
- Loosening or compacting of bulk materials
- Starting up of mechanical processesFilling facilities

#### Construction:

- With a freely flying piston, the tapered end of which protrudes from the vibrator's housing.
  Lubrication free operation possible (FAL).
- Its optimum power to weight ratio makes its employment in producing conveying impulses particularly efficient.

### Properties:

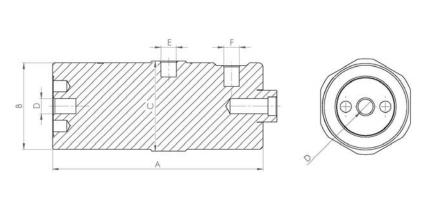
- Quiet and efficient
- Nominal frequency 1130 2020 strikes/min
  Centrifugal force 120 530 N
- Frequency and amplitude can be regulated
- Can be used at temperatures up to 150°C
  Resistant to extreme environmental conditions
- · Extremely low noise level



## Design:

Housing made from hard-anodized aluminium alloy, steel or plastic Piston made from leaded-bronze or steel Threaded insert for mounting purposes

### **DIMENSIONAL SPECIFICATIONS**



2					
		mm		inch	
	Α	139		5,48	
	В	60		2,36	
1	С	69		2,72	
1	D	M16		M16	
1	E	G 1/4"		G 1/4"	
1	F	G 1/4"		G 1/4"	
1					
1					
1					
1					
1			kg		LBS
J	Vibrator w	orator weight		1	3,133
	Housing weight		0,78		1,733

0,56

1.244

Piston weight