

PNEUMATIC PISTON VIBRATORS





DESCRIPTION

The pneumatic piston vibrators produce unidirectional vibrations. The vibrations are produced by the motion of a piston made of bronze. The body of the vibrator and covers are made of aluminum.

OPERATING CONDITIONS

Filtered ($\leq 5\mu\text{m}$) and dehumidified compressed air is required. The pressure must be between 2[bar] and 6[bar]. Lubricated air is requested.

APPLICATIONS

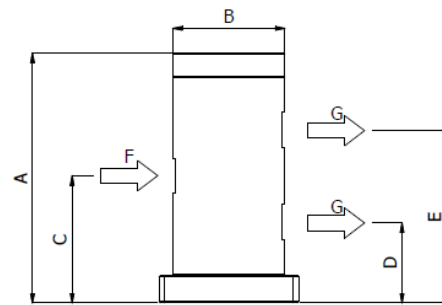
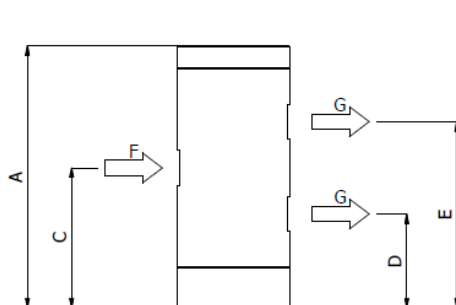
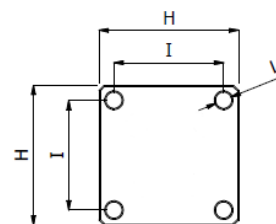
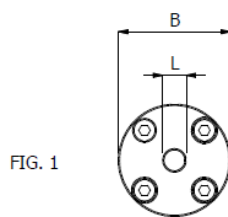
VPI pneumatic piston vibrators are used to empty chutes and hoppers. Applied on moulds or formworks they compact the material.

DATA	VIBRATIONS PER MINUTE			FORCE			AIR CONSUMPTION			NOISE LEVEL dB(A) 2 bar - 6 bar	AMBIENT TEMPERATURE	
	[n/min]			[N]			[l/min]				min	MAX
	2 bar	4 bar	6 bar	2 bar	4 bar	6 bar	2 bar	4 bar	6 bar			
VPI 15	3840	5100	6000	28	59	83	10	15	20	65 - 85	-20 [°C]	100 [°C]
VPI 22	2180	2820	3300	90	142	196	35	50	75			
VPI 30	2100	2640	3000	148	243	306	50	95	140			
VPI 45	1740	2040	2400	386	680	920	60	135	200			

The number of vibrations per minute and the centrifugal force depend on the operating pressure and the dynamic property of the structure on which they are mounted.

The data reported in the schedule have been obtained by mounting the vibrators on a vibrating table, using lubricated air and with a specific silencer.

DIMENSION	FIG.	A	B	C	D	E	F	G	H	I	L	WEIGHT [kg]
		[mm]	[mm]	[mm]	[mm]	[mm]		[mm]	[mm]			
VPI 15	1	71	38	37	24	50	M5	1/8"	-	-	M8	0,2
VPI 22	1	105	45	56	38	75	1/8"	1/8"	-	-	M10	0,5
VPI 30	1	116	60	62	40	85	1/4"	1/4"	-	-	M12	1,0
VPI 45	2	151	80	78	38	118	1/4"	1/4"	90	72	8,5	2,9



We reserve the right to modify specifications or products without any obligation.