



Pneumatic Turbine Vibrator

TMN-PTV

Series TMN-PTV Pneumatic Turbine Vibrators are the best choice of high vibration frequency types for a low noise environment. It is usually installed on a vibrating separator, conveyor, automatic arrangement machine, packing machine, or filling machine.

HOW IT OPERATES

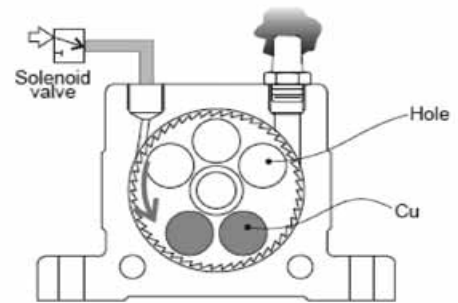
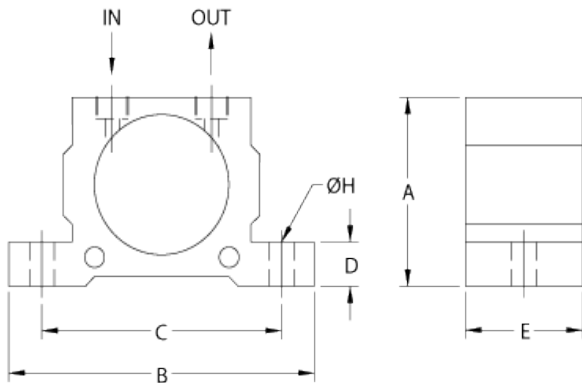
The vibration is produced by centrifugal force which arises from the imbalance of movement when compressed air impacts the tangent of the turbine to make it move. The operation noise is low because of ball bearing supports on the running turbine.



Specifications

- Temperature Limit:: 212°F (100°C).
- Noise Level: 60-75 dBA.
- Supply Pressure: 29 to 87 psi (2 to 6 bar).
- Air Consumption: See chart on Catalog Page.
- Air Connection: BSPT female with NPT female adapter, see Dimensional Drawing. Also includes muffler for exhaust port.
- Housing Material: Aluminum.

Dimensions



Model Number	A	B	C	D	E	øH	Connection
PTV-1	2.01" (51 mm)	3.39" (86 mm)	2.68" (68 mm)	0.47" (12 mm)	1.30" (33 mm)	0.28" (7 mm)	1/8"
PTV-2	2.64" (67 mm)	4.45" (113 mm)	3.54" (90 mm)	0.63" (16 mm)	1.65" (42 mm)	0.35" (9 mm)	1/4"
PTV-3	2.64" (67 mm)	4.45" (113 mm)	3.54" (90 mm)	0.63" (16 mm)	1.65" (42 mm)	0.35" (9 mm)	1/4"
PTV-4	3.27" (83 mm)	5.04" (128 mm)	4.09" (104 mm)	0.63" (16 mm)	2.20" (56 mm)	0.35" (9 mm)	1/4"
PTV-5	3.27" (83 mm)	5.08" (129 mm)	4.09" (104 mm)	0.63" (16 mm)	2.20" (56 mm)	0.35" (9 mm)	1/4"

MODEL NO.	Frequency (V.P.M.) Pressure Input			Force lbf (N) Pressure Input			Air Consumption cfm (l/min) Pressure Input			Weight lb (kg)
	29 psi (2 bar)	58 psi (4 bar)	87 psi (6 bar)	29 psi (2 bar)	58 psi (4 bar)	87 psi (6 bar)	29 psi (2 bar)	58 psi (4 bar)	87 psi (6 bar)	
TMN-PTV-1	27500	35000	37500	189 (840)	312 (1390)	540 (2400)	1.62 (46)	2.83 (80)	4.0 (112)	.56 (0.26)
TMN-PTV-2	26000	30000	33000	315 (1400)	549 (2440)	839 (3730)	4.24 (120)	7.06 (200)	10.2 (290)	1.25 (0.57)
TMN-PTV-3	17000	21500	24000	274 (1220)	470 (2090)	710 (3160)	4.24 (120)	7.06 (200)	10.2 (290)	1.28 (0.58)
TMN-PTV-4	17000	20000	23000	488 (2170)	908 (4040)	1241 (5520)	6.53 (185)	11.5 (325)	16.1 (455)	2.4 (1.1)
TMN-PTV-5	12000	15500	17000	477 (2120)	789 (3510)	1140 (5070)	6.53 (185)	11.5 (325)	16.1 (455)	2.4 (1.1)

V.P.M. = vibrations per minute

All specifications are subject to change without notice



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