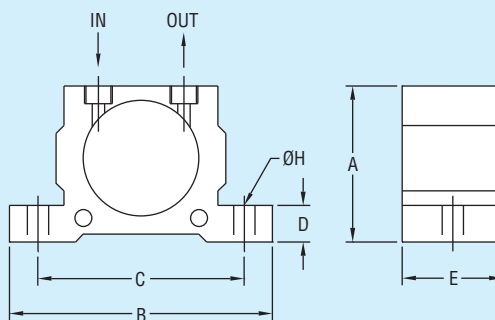


Pneumatic Turbine Vibrator

Low Noise, High Vibration Frequency

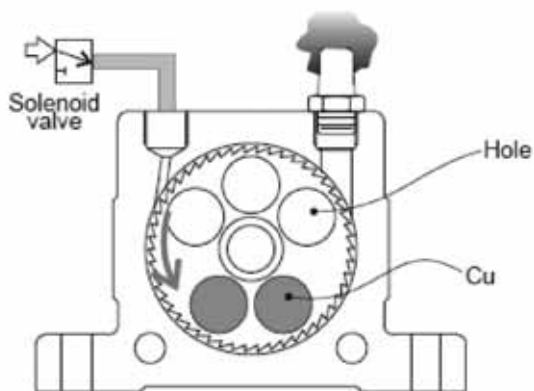


Model	A	B	C	D	E	H	Connection
PTV-1	2.01" (51 mm)	3.39" (86 mm)	2.68" (68 mm)	0.47" (12 mm)	1.30" (33 mm)	0.28" (ø7 mm)	1/8"
PTV-2	2.64" (67 mm)	4.45" (113 mm)	3.54" (90 mm)	0.63" (16 mm)	1.65" (42 mm)	0.35" (ø9 mm)	1/4"
PTV-3	2.64" (67 mm)	4.45" (113 mm)	3.54" (90 mm)	0.63" (16 mm)	1.65" (42 mm)	0.35" (ø9 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" (ø9 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" (ø9 mm)	1/4"

Series 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 model chart.

Air Connection: BSPT female with NPT female adapter, see dimension chart. Also includes muffler for exhaust port.

Housing Material: Aluminum.

FEATURES

- Aluminum body allows low noise and high vibration frequency
- Small in size and light-weight
- Sudden power on/off is allowed
- Frequency and amplitude of vibration can be adjusted as required

Model	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)	
PTV-1	27500	35000	37500	189 (840)	312 (1390)	540 (2400)	1.62 (46)	2.83 (80)	4.0 (112)	.56 (0.26)
PTV-2	26000	30000	33000	315 (1400)	549 (2440)	839 (3730)	4.24 (120)	7.06 (200)	10.2 (290)	1.25 (0.57)
PTV-3	17000	21500	24000	274 (1220)	470 (2090)	710 (3160)	4.24 (120)	7.06 (200)	10.2 (290)	1.28 (0.58)
PTV-4	17000	20000	23000	488 (2170)	908 (4040)	1241 (5520)	6.53 (185)	11.5 (325)	16.1 (455)	2.4 (1.1)
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