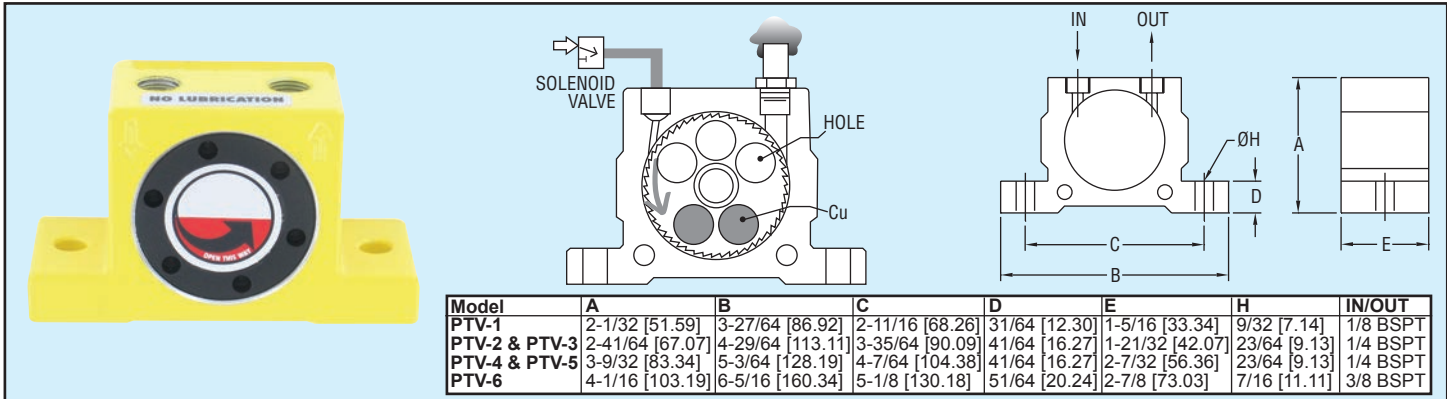




Series
PTV

Pneumatic Turbine Vibrator

Low Noise, High Vibration Frequency



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. 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 to 75 dBA.

Supply Pressure: 29 to 87 psi (2 to 6 bar).

Air Consumption: See model chart.

Air Connection: 1/8" BSPT female with 1/4" OD push to connect adapter on PTV-1. 1/4" BSPT female with 1/4" OD push to connect adapter on PTV-2, PTV-3, PTV-4, and PTV-5. 3/8" BSPT female with 3/8" OD push to connect adapter on PTV-6. Also includes muffler for exhaust port.

Housing Material: Aluminum.

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)
PTV-6	13000	14000	16000	760 (3380)	1221 (5430)	1695 (7540)	11.65 (330)	18.71 (530)	26.3 (745)	4.8 (2.2)

V.P.M. = vibrations per minute