



Pneumatic Roller Vibrator

TMN-PRV

Series TMN-PRV Pneumatic Roller Vibrators have a high vibration frequency feature that can prevent material jams in pipe delivery. It can also be applied for bridge-break or concrete injection operation conditions.

HOW IT OPERATES

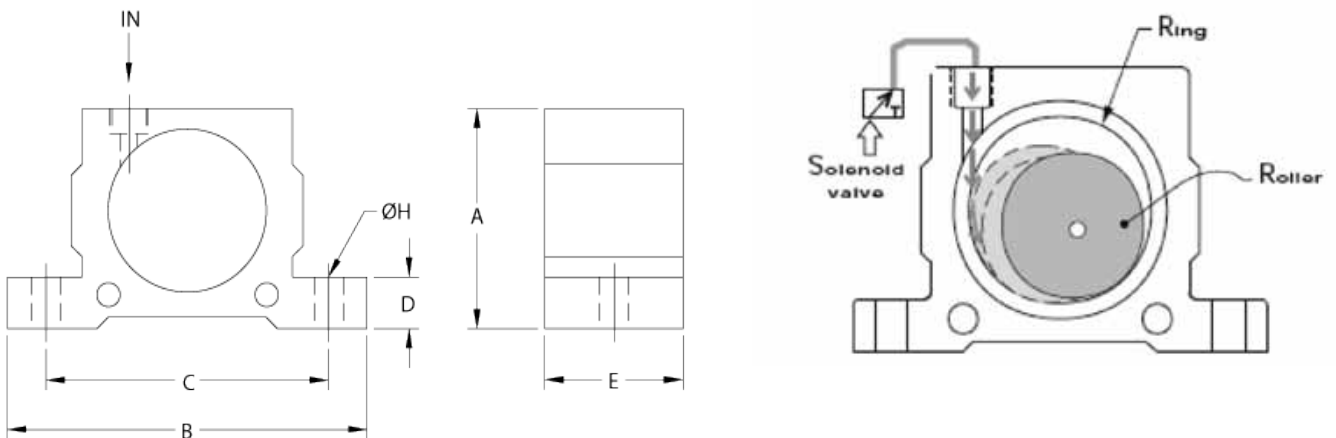
The special aluminum body is equipped with a roller and ring with multi-nozzles. It is tightly closed by plastic side covers. Vibration is caused when the roller pushed by compressed air runs in a rotary motion to produce centrifugal force.



Specifications

Temperature Limit: 212°F (100°C).
 Noise Level Range: 75-100 dBA.
 Supply Pressure: 29 to 87 psi (2 to 6 bar).
 Air Consumption: See chart on Catalog Page.
 Air Connection: 1/8" BSPT female with 1/8" NPT female adapter on PRV-1.
 1/4" BSPT female with 1/4" NPT female adapter on PRV-2 and PRV-3.
 3/8" BSPT female with 3/8" NPT female adapter on PRV-4.

Dimensions



Model Number	A	B	C	D	E	ØH	Connection
PRV-1	2.01" (51 mm)	3.39" (86 mm)	2.68" (68 mm)	0.47" (12 mm)	1.14" (29 mm)	0.28" (7 mm)	1/8"
PRV-2	2.64" (67 mm)	4.45" (113 mm)	3.54" (90 mm)	0.63" (16 mm)	1.46" (37 mm)	0.35" (9 mm)	1/4"
PRV-3	3.27" (83 mm)	5.04" (128 mm)	4.09" (104 mm)	0.63" (16 mm)	1.67" (42.5 mm)	0.35" (9 mm)	1/4"
PRV-4	4.06" (103 mm)	6.30" (160 mm)	5.12" (130 mm)	0.79" (20 mm)	2.06" (52 mm)	0.43" (11 mm)	3/8"

MODEL NO.	Frequency (V.P.M.)			Force lbf (N)			Air Consumption cfm (l/min)			Weight lb (kg)
	Pressure Input			Pressure Input			Pressure Input			
	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-PRV-1	25000	35000	36000	241 (1070)	656 (2920)	948 (4200)	3.53 (100)	5.12 (145)	6.89 (195)	.53 (0.24)
TMN-PRV-2	19000	21000	26000	614 (2730)	1086 (4830)	1376 (6120)	7.06 (200)	10.59 (300)	14.13 (400)	1.19 (0.54)
TMN-PRV-3	15500	18500	19000	674 (3000)	1369 (6090)	1675 (7450)	0.24 (290)	15.19 (430)	20.13 (570)	2.1 (0.95)
TMN-PRV-4	11000	14000	16000	843 (3750)	1517 (6750)	2001 (8900)	13.07 (370)	19.42 (550)	25.78 (730)	3.97 (1.8)

V.P.M. = vibrations per minute

All specifications are subject to change without notice



TECHMARK

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