PNEUMATIC VIBRATOR

ISO 9001 2015 CERTIFIED

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SAIDEEP
VIBRATORS PVT LTD

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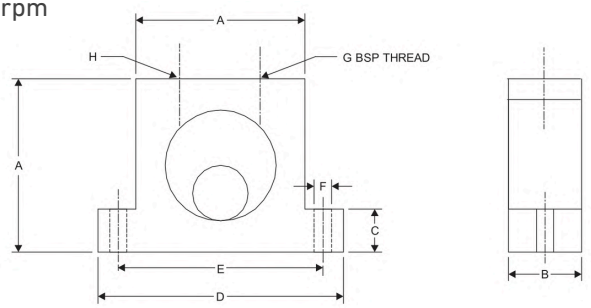
SPT Pneumatic Ball Vibrator

Properties:

- Powerful
- Rated frequency 8200 - 31,000 rpm
- Centrifugal force 260-3750 N
- Continuously variable
- Can be used up to 200°C



Application:

- Emptying of bunkers
- Screen filters
- Vibrating tables
- Preventing adhesions in piplines and silos
- Moving of goods

Model	Centrif. Force N			Frequency VPM			Air Consumption LPM			Dimensions								
										A	B	C	D	E	F	G	H	Weight
	2 bar	4 bar	6 bar	2 bar	4 bar	6 bar	2 bar	4 bar	6 bar	mm	mm	mm	mm	mm	mm	BSP	BSP	kg.
SPT - 0	130	260	360	25500	31000	35000	83	145	195	50	22	12	86	68	7	1/8"	1/8"	0.15
SPT - 1	450	800	1100	13000	17000	19500	122	200	280	65	30	16	113	90	9	1/4"	1/4"	0.35
SPT - 2	930	1570	2050	9200	12200	14000	160	290	425	80	38	16	128	104	9	1/4"	1/4"	0.7
SPT - 3	2060	3150	4050	7300	9000	10000	260	450	625	100	50	20	160	130	11	3/8"	3/8"	1.3
SPT - 4	2450	3750	4880	6800	8200	9100	300	500	750	120	54	32	180	150	13	3/8"	3/8"	2.5

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SAIDEEP
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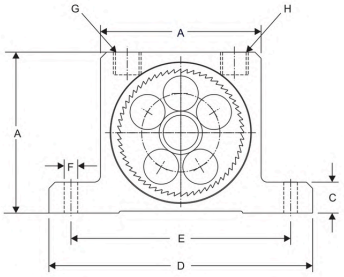
SPGT Pneumatic Turbine Vibrator

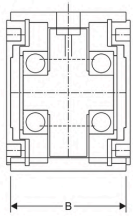
Properties:

- Rated frequency 8,500 - 42,000 rpm
- Centrifugal force 2000 - 7250 N Continuously variable
- Can be used up to 200°C
- Resistant to extreme environmental conditions

Application :

- Emptying of bunkers
- Screen filters
- Vibrating tables
- Preventing adhesions in pipelines and silos
- Transporting of fine powders
- Moving of bulk material





Model	Centrif. Force N			Frequency VPM			Air Consumption LPM			Dimensions								
										A	B	C	D	E	F	G	H	Weight
	2 bar	4 bar	6 bar	2 bar	4 bar	6 bar	2 bar	4 bar	6 bar	mm	mm	mm	mm	mm	mm	BSP	BSP	kg.
SPGT - 0	1000	2050	2900	36000	42000	46000	46	80	112	50	33	12	86	68	7	1/8"	1/8"	0.25
SPGT - 1	1400	2450	3700	26000	30000	33000	120	200	300	65	42	16	113	90	9	1/4"	1/4"	0.6
SPGT - 2	2170	3500	5000	12000	15000	17000	185	325	455	80	34	16	128	104	9	1/4"	1/4"	1
SPGT - 3	2500	4200	5900	10000	12500	14000	250	425	595	80	56	16	128	104	9	1/4"	1/4"	1.15
SPGT - 4	3380	5425	7500	8000	10000	13000	330	530	750	100	73	20	160	130	11	3/8"	3/8"	2.3
SPGT - 5	4500	7250	9750	7750	8800	9500	425	700	975	120	83	24	194	152	17	3/8"	3/8"	3.8

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SAIDEEP
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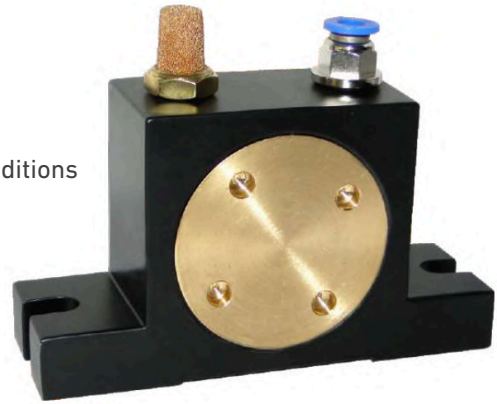
SPR Pneumatic Roller Vibrator

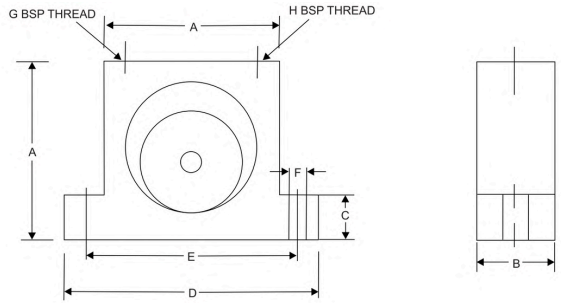
Properties:

- High torque
- Rated frequency 11,500 - 35, 000 rpm
- Centrifugal 2,920 - 10,000 N
- Continuously variable
- Can be used up to 200°C
- Resistant to extreme environmental conditions



Application :

- High torque
- Rated frequency 11,500 - 35, 000 rpm
- Centrifugal 2,920 - 10,000 N
- Continuously variable
- Can be used up to 200°C
- Resistant to extreme environmental conditions



Model	Centrif. Force N			Frequency VPM			Air Consumption LPM			Dimensions								
										A	B	C	D	E	F	G	H	Weight
	2 bar	4 bar	6 bar	2 bar	4 bar	6 bar	2 bar	4 bar	6 bar	mm	mm	mm	mm	mm	mm	BSP	BSP	kg.
SPR - 1	1070	2920	4220	25000	35000	36000	100	145	195	50	29	12	86	68	7	1/8"	1/8"	0.25
SPR - 2	2730	4830	6120	19000	21000	26000	200	300	400	65	37	16	113	90	9	1/4"	1/4"	0.6
SPR - 3	3000	6090	7450	15500	18500	19000	290	430	570	80	43	16	128	104	9	1/4"	1/4"	1
SPR - 4	3750	6750	8900	11000	14000	16000	370	550	730	100	52	20	160	130	11	3/8"	3/8"	1.85
SPR - 5	8000	10000	12500	10000	11500	12500	500	730	970	120	77	24	194	152	17	3/8"	3/8"	4.3

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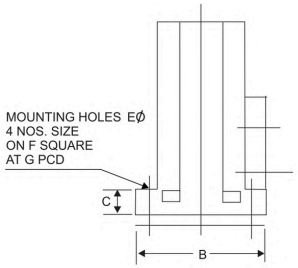
SPI Pneumatic Piston Vibrator

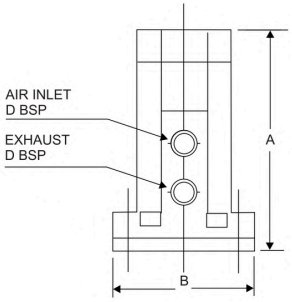
Benefits:

- Maintenance free
- Cost effective
- Unaffected by dust, dirt, moisture and even splashing water
- Self cooling suitable even for hot ambient

Applications:

- Dislodging materials sticking & clinging to walls of storage containers,cyclone separators, bag house hoppers.
- Promoting material discharge from tote bins, bulk tankers, bottom discharge rail cars etc..
- Clearing clogged pneumatic conveying lines.
- Imparting vibrations to moulds & containers for material compaction, densification and settling and help reduce packaging cost.
- As pneumatic hammers for making or breaking assemblies.
- Unlocking bottles, cans, caps and similar objects on or in their vibrating conveyors, tracks and vibrating feed cages.
- Vibrating funnels to hasten material transfer in to narrow necked pharma & cosmetic containers.
- Driving small screens for separation & grading and vibratory test & material settling/densification tables.





Model	Centrif. Force N			Frequency VPM			Air Consumption LPM			Dimensions							
										A	B	C	D	E	F	G	Weight
	2 bar	4 bar	6 bar	2 bar	4 bar	6 bar	2 bar	4 bar	6 bar	mm	mm	mm	BSP	mm	mm	mm	kg.
SPI - 0	2070	3450	4800	4250	5000	5750	100	175	250	89	55	17	1/8"	9	40	56	1.3
SPI - 1	4200	7000	9750	4000	4700	5400	170	280	400	110	70	20	1/4"	12	50	71	2.5
SPI - 2	7890	13150	18500	3100	3700	4250	250	410	575	139	80	25	1/4"	13	60	85	4.7
SPI - 3	12250	20500	28500	2375	2800	3220	325	535	750	172	110	30	3/8"	13	75	108	9
SPI - 4	19250	32200	45000	1750	2050	2350	400	660	925	215	135	40	3/8"	21	95	135	16

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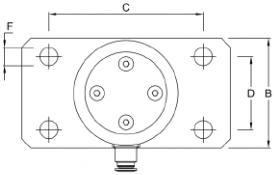
Pneumatic Piston Knockers

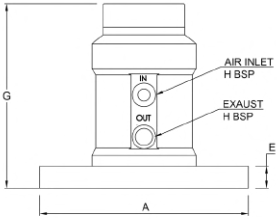
Properties

- Linear motion pneumatic knocker
- Springless Design
- Low maintenance
- Noise: Approx 100 Db
- MOC: SG Iron body, hard chrome plated piston

Application

- Knocking off material on container walls such as silos, chutes, filter outlets, reactors & pipelines.
- Clearing clogged pneumatic conveying lines.
- Screen filters
- Vibrating tables
- Hopper





SPK Pneumatic Piston Knockers

Model	Centrif. Force	Frequency	Air Consumption	Dimensions								
	N	VPM	LPM									
				A	B	C	D	E	F	G	H	Weight
	4 bar	4 bar	4 bar	mm	mm	mm	mm	mm	mm	mm	BSP	kg
SPK-20	3540	5000	85	115	60	85	40	12	10	101	1/8"	1.9
SPK-31	13150	3700	170	150	86	123	60	16	13	149	1/4"	6.1

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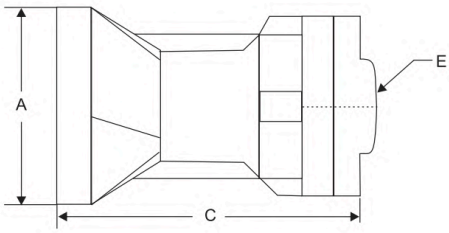
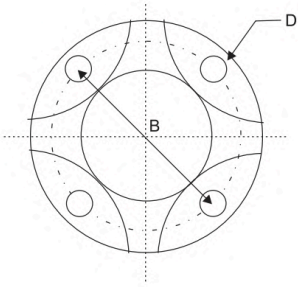
SX Air Hammer

Features :

- Highly strengthened aluminum body
- Low frequency/continuous impact model, sudden activation/deactivation is allowed
- Frequency and amplitude of impact can be adjusted as required
- Direct impact onto target object to produce the optimum vibration feedback.





Model	Dimensions								
	A	B	C	D	E	Pressure	Air Consum.	Impact	Weight
	mm	mm	mm	mm	BSP	kgf/cm2	LPM	kg.	kg.
SX - 30	82	67	135	9	1/4"	3 ~ 7	0.028	~ 0.75	1.1
SX - 40	98	77	175	11	1/4"	3 ~ 7	0.082	~ 2.2	1.8
SX - 60	143	110	220	12.5	1/4"	3 ~ 7	0.228	~ 7.4	5.3
SX - 80	170	140	275	17	3/8"	4 ~ 5	0.455	~ 16.4	6.5

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SAIDEEP
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SP Piston Impact Vibrator

Properties:

- Continuos Duty
- Working temperature: 20 °C to 110 °C
- Noise: Approx 100 dB
- MOC: Cast Iron Body (Power Painted)
- Aliminium cover

Application :

- Cement & Concrete
- Sugar
- Wet Sand
- Salt
- Chemicals & Minerals
- Detergents
- Fly-Ash

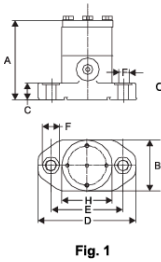
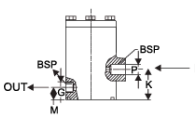


Fig. 1



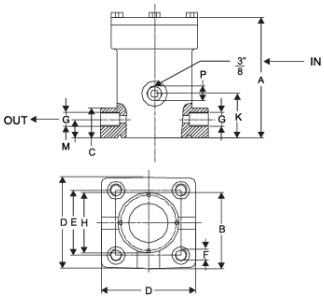


Fig. 2

Model	Fig	Centrif. Force N			Frequency VPM			Working Moment Kg*cm			Air consumption LPM	Dimensions											
												A	B	C	D	E	F	G	K	P	L	M	Weight
		2 bar	4 bar	6 bar	2 bar	4 bar	6 bar	2 bar	4 bar	6 bar		mm	mm	mm	mm	mm	mm	mm	33	mm	mm	mm	kg.
SP - 25	1	294	680	954	2500	3800	4500	0.43	0.43	0.43	200	92	70	22	115	85	13	1/4"	30	1/4"	25	10.5	2.2
SP - 40	1	484	860	1396	1650	2200	2800	1.63	1.63	1.63	250	121	91	24	148	110	16.5	3/8"	45	3/8"	35	16	4.5
SP - 60	2	1296	2304	3250	1200	1600	1900	4.11	4.11	4.11	400	163	125	28	138x142	99x99	17	2x1/2"	60	1/2"	60	27	11

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SK Cushioned Linear Vibrator

BENEFITS :

- Silent operation
- Clean and lightweight design
- Easy fitting Retrofitting

Application:

- Equipment for Handling of Biomass for Combustion
- Past Processing Plant Equipment
- Plastics Processing Plant Equipment
- Sheet Metal Cutting Machine Accessory Equipment
- Sugar Processing Plant Equipment

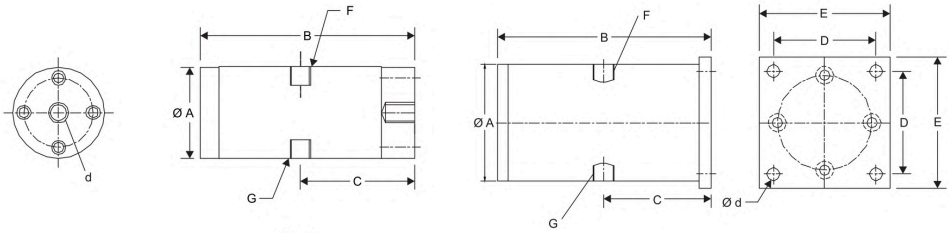

Fig.1

Model	Centrif. Force N			Frequency VPM			Air Consumption LPM			Dimensions									
										A	B	C	D	E	F	G	d	Weight	Fig.
	2 bar	4 bar	6 bar	2 bar	4 bar	6 bar	2 bar	4 bar	6 bar	mm	mm	mm	mm	mm	mm			kg.	
SK-15	35	60	85	5610	6600	7600	10	15	20	32	70	37	**	**	M5	1/8"	M8	0.18	1
SK-22	85	140	195	3400	4000	4600	35	50	70	45	105	56	**	**	1/8*BSP	1/8"	M10	0.52	1
SK-30	150	245	340	2930	3450	3900	55	90	125	60	115	62	**	**	1/4*BSP	1/4"	M12	1.05	1
SK-45	410	685	960	2200	2600	3000	75	125	175	80	150	78	72	90	1/4*BSP	3/8"	ϕ8.5	2.86	2
SK-60	660	1100	1540	1450	1700	1950	75	125	175	115	225	115	102	130	1/2*BSP	1/2"	ϕ13	7.5	2

• Temperature Implication upto 150 °C • Explosion Proof and Maintennce Free • Adjustable Frequency and Amplitude • Minimum Sound/Low Air Consumption

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SAIDEEP
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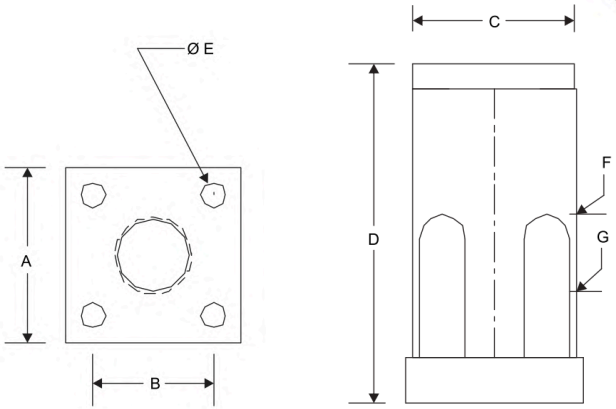
NTP Piston Type Hammer

Properties:

- High impact frequency 1,350 - 4,600 vpm
- High power range 195 - 56,350 N
- Lubrication-free can be used up to 120°C
- Can be used in a dusty environments

Application:

For foodstuffs and pharmaceuticals, complies with FDA specifications Knocking off adhering material on chutes, silos and filter outlets.



Model	Dimensions										
	A	B	C	D	E	F	G	Torque	Air Consum.	Impact	Weight
	mm	mm	mm	mm	mm	BSP	BSP	kg/cm	LPM	kg.	kg.
NTP - 25	60	45	57	93	7	1/8"	1/8"	80-1000	1.1	150-1900	0.78
NTP - 32	75	51	68	143	11	1/4"	1/8"	150-2500	1.7	140-2800	1.65
NTP - 48	100	78	92	192	13	3/8"	3/8"	150-4500	3.3	130-5700	4.20

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SAIDEEP
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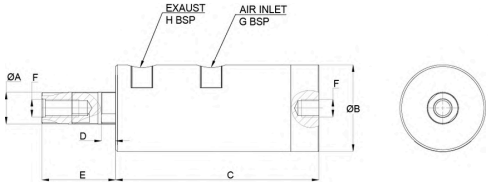
Pneumatic Linear Vibrator

Properties

- Strengthened aluminium body & aluminium or MS cover
- Clean and lightweight design
- Variable additional weights
- Frequency and amplitude are separately adjustable
- Noise : Lower than 80 dB

Application

- Suitable for conveying, compacting and loosening bulk material
- Stimulate and influence the production process
- Vibrating tables
- Hopper, silo



STK Pneumatic Linear Vibrator

Model	Oscillating Part	Working Moment			Centrif.Force			Frequency			Air Consumption	Dimensions								
	Assembly	Kg*Cm			N			VPM			LPM								
												A	B	C	D	E	F	G	H	Weight
		2 Bar	4 Bar	6 Bar	2 Bar	4 Bar	6 Bar	2 Bar	4 Bar	6 Bar	2 Bar - 6 Bar	mm	mm	mm	mm	mm	mm	BSP	BSP	Kg
STK-18	Piston	0.29	0.33	0.36	41	70	109	1600	1980	2350	19-68	18	49	116	8	46	M10	1/8"	1/8"	0.71
	Piston+SM 16-1	1.18	1.47	1.41	61	141	191	972	1321	1572	13-58									
	Piston+SM 16-2	1.96	2.29	2.16	83	171	223	878	1168	1371	11-56									
	Piston+SM 16-1+SM 16-2	3.27	3.27	3.21	98	167	242	738	965	1174	10-50									
	Piston+2xSM 16-2	3.86	4.13	3.93	104	184	233	702	902	1039	9-46									

Note : • The additional weights SM 16-1 (0.29kg) & SM-16-2 (0.5kg) increase the mass of the piston and in consequence the amplitude
• Cover available in MS & AL

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SAIDEEP
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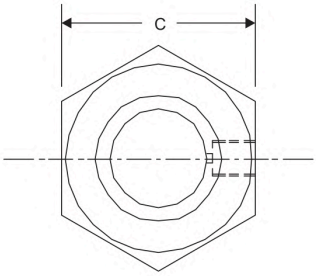
SFP Spring Type Piston Vibrator

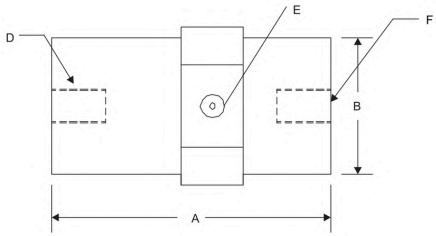
Properties:

- Quiet and efficient
- Rated frequency 4000 - 6000 vpm
- Force 58 - 778 N
- Continuously variable
- Can be used up to 150°C
- Resistant to extreme environmental conditions

Application:

- Driving conveyor and discharge chutes
- Loosening or compacting of bulk materials
- Filling facilities





Model	Centrif. Force N			Frequency VPM			Air Consumption LPM			Dimensions						
										A	B	C	D	E	F	Weight
	2 bar	4 bar	6 bar	2 bar	4 bar	6 bar	2 bar	4 bar	6 bar	mm	mm	mm	mm	mm	BSP	kg.
SFP - 12	34	58	74	5000	6000	6700	0.5	4	19	81	31	34	M8	1/8"	1/8"	0.17
SFP - 18	68	134	188	4000	5000	5900	4	28	52	94	40	42	M10	1/8"	1/8"	0.35
SFP - 25	142	364	504	3000	3800	4200	23	50	87	99	48	50	M12	1/8"	1/8"	0.53

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