

FP series piston reciprocating vibrator (without bottom seat)

Characteristic

- High power, slightly lubricated, quiet
- Nominal frequency: 3000-6700/min
- Excitation force: 34-1080 Newton
- Frequency and amplitude continuously adjustable
- Maximum operating temperature: 100 °C
- Can be used in harsh environments

Typical applications

- Vibration material trough and conveying device
- Vibration and compaction of materials
- Start mechanical process
- Filling equipment

Structure

Aluminum shell, Corrosion-resistant

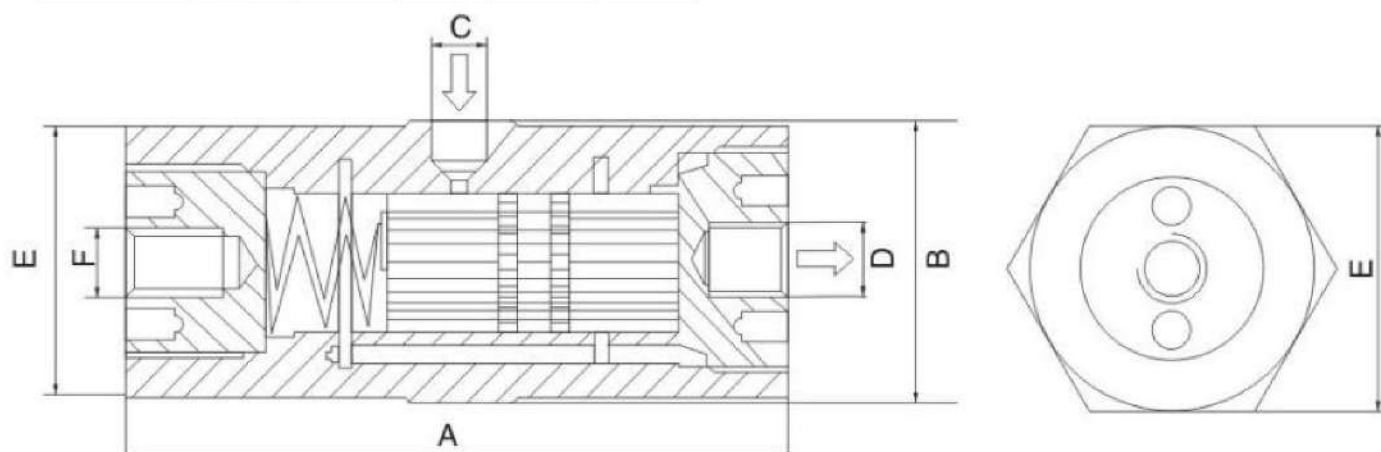
Performance Parameter **Parameter conversion: 1 Kg=9.8 Newton**

MODEL	Frequency/Min		Centrifugal force/Newton		Air Consumption	Weight
	0.2MPa	0.6MPa	0.2MPa	0.6MPa	L/Min	g
FP-12-M	5000	6700	34	74	0.5-19	178
FP-18-M	4000	5900	68	188	4-52	352
FP-25-M	3000	4200	450	504	23-87	672
FP-35-M	3000	4600	550	1080	24-141	1135



Dimensions

MODEL	A (mm)	C	D (mm)	E (mm)	F
FP-12-M	81	G1/8	M-8	32	G1/8
FP-18-M	94	G1/8	M-10	41	G1/8
FP-25-M	100	G1/8	M-12	48	G1/4
FP-35-M	109	G1/4	M-12	63	G1/4



FP series piston reciprocating vibrator (with bottom seat)

Characteristic

- High power, slightly lubricated, quiet
- Nominal frequency: 1700-4850/min
- Excitation force: 265-5250 Newton
- Frequency and amplitude continuously adjustable
- Maximum operating temperature: 100 °C
- Can be used in harsh environments

Typical applications

- Vibration material trough and conveying device
- Vibration and compaction of materials
- Start mechanical process
- Filling equipment

Structure

Aluminum shell, Corrosion-resistant

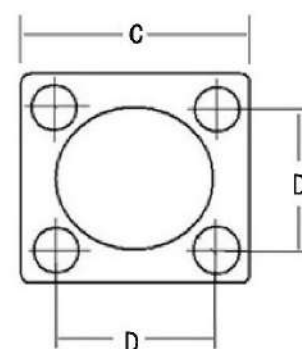
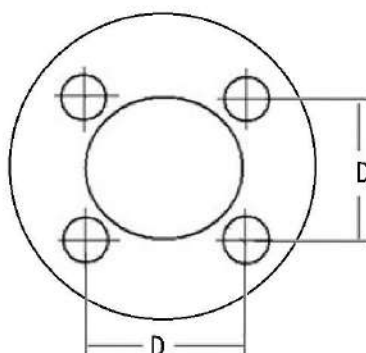
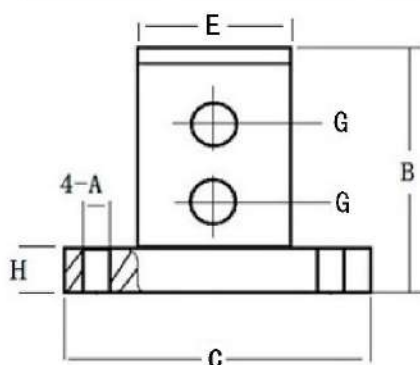


Performance Parameter Parameter conversion: 1 Kg=9.8 Newton

MODEL	Frequency/Min			Centrifugal force/Newton			Weight
	0.2MPa	0.4MPa	0.6MPa	0.2MPa	0.4MPa	0.6MPa	g
FP-32	3250	4 000	4850	265	550	865	33-108
FP-40-M	2550	3080	3560	350	850	1550	50-198
FP-50-M	1880	2350	2850	450	1050	1750	96-336
FP-60-M	1780	2250	2780	550	1305	2150	96-336
FP-80-M	1700	2150	2680	600	3000	5250	96-336

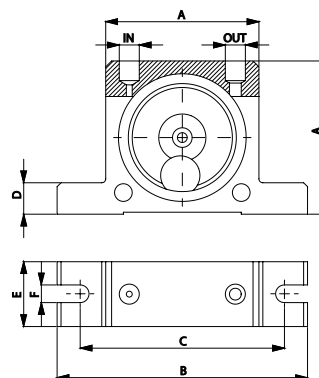
Dimensions:

MODEL	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G
FP-32	7	92	60	46	57	15	G1/8
FP-40-M	9	122	80	47	60	15	G1/8
FP-50-M	11	140	94	54	68	15	G1/4
FP-60-M	11	185	120	67	92	20	G3/8
FP-80-M	13	193	116	82	114	20	G3/8



FP-32、FP-80-M
The 2 models with square bottom seat

The OLI “S” series pneumatic rotational vibrators generate high frequency vibration thanks to a steel ball that rotates inside two housings made of hardened and ground steel.



DIMENSIONAL SPECIFICATIONS															
Model	A		B		C		D		E		F		IN-OUT	Weight	
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in		kg	lb
S8	50	2.0	86	3.4	68	2.7	12	0.5	20	0.8	7	0.3	1/8" BSPP	0.13	0.29
S10	50	2.0	86	3.4	68	2.7	12	0.5	20	0.8	7	0.3	1/8" BSPP	0.13	0.29
S13	65	2.6	113	4.5	90	3.5	16	0.6	25	1.0	9	0.4	1/4" BSPP	0.26	0.57
S16	65	2.6	113	4.5	90	3.5	16	0.6	28	1.1	9	0.4	1/4" BSPP	0.30	0.66
S20	80	3.2	128	5.1	104	4.1	16	0.6	33	1.3	9	0.4	1/4" BSPP	0.53	1.17
S25	80	3.2	128	5.1	104	4.1	16	0.6	38	1.5	9	0.4	1/4" BSPP	0.63	1.39
S30	100	3.9	160	6.3	130	5.1	20	0.8	45	1.8	11	0.4	3/8" BSPP	1.13	2.49
S36	100	3.9	160	6.3	130	5.1	20	0.8	50	2.0	11	0.4	3/8" BSPP	1.34	2.95

Model	VIBRATION			C.F. MAX						AIR CONSUMPTION					
	Vpm			2 bar (29 psi)		4 bar (58psi)		6 bar (87 psi)		2 bar (29 psi)		4 bar (58psi)		6 bar (87 psi)	
	2 bar (29 psi)	4 bar (58psi)	6 bar (87 psi)	kg	lb	kg	lb	kg	lb	l/min	CF/min	l/min	CF/min	l/min	CF/min
S8	25500	31000	35000	13	29	26	57	36	79	83	2.9	145	5.1	195	6.9
S10	22500	28000	34000	25	55	47	103	71	156	92	3.2	150	5.3	200	7.1
S13	15000	18500	22500	32	70	55	121	87	191	94	3.3	158	5.6	225	7.9
S16	13000	17000	19500	45	99	80	176	110	242	122	4.3	200	7.1	280	9.9
S20	10500	14500	16500	72	158	122	268	172	378	130	4.6	230	8.1	340	12.0
S25	9200	12200	14000	93	205	157	345	205	451	160	5.7	290	10.2	425	15.0
S30	7800	9700	12500	151	332	247	543	321	706	215	7.6	375	13.2	570	20.1
S36	7300	9000	10000	206	453	315	693	405	891	260	9.2	475	16.8	675	23.8

Indicates in l/min the total air consumption normalized at the rated pressure.

S - BALL - PNEUMATIC ROTARY VIBRATORS

APPLICATION Hopper and silo - screen - vibrating table - chute

POWDER Dry and granular

PROBLEM SOLVING Bridge and rat-holing - friction reduction - separation

FEATURES

DUTY CYCLE Discontinuous

WORKING PRESSURE From 2 bar to 6 bar (from 29 psi to 87 psi)

PNEUMATIC CIRCUIT Filter + flow control valve + lubrication + 3/2 ways valve N.C.

AIR SUPPLY QUALITY Class 5.4.4.

WORKING TEMPERATURE From -20 °C to 150 °C (from -4 °F to 302 °F)

MAX NOISE LEVEL 90 dB(a)

TECHNOLOGY Rotary vibration - high frequency

ATEX II 2D c Tx
II 2G c Tx

MATERIAL Aluminium body, zinc plate cover and Ixe® covers

NOTE: Dimensions with coarse degree of accuracy related to UNI 22768/1

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