Piston-Vibrators FP-12 to 35

Pneumatic piston vibrators for linear vibration with unlimited fine-tuning facilities for amplitude and frequency. Wide range.

socket as accessoire

Properties

- Quiet and efficient
- Rated frequency 2'400 – 9'300 min^{-1}
- Force 32 – 6'066 N
- Continuously variable
- Applicable up to 150°C, LT version down to -40° C on request
- Resistant against extreme environmental conditions
- Also available with ATEX certification ⟨Ex⟩

Field of application

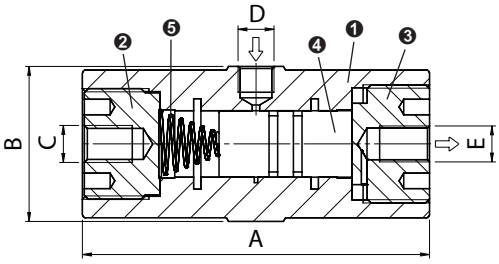
- Driving conveyor and discharge chutes
- Loosening or compacting of bulk solids
- Activating of mechanical processes
- Filling facilities

Construction

Aluminium housing surface-hardened and corrosion-resistant

Dimensions and weights

Model	A [mm]	B (ws) [mm]	C [mm]	D Thread	E BSP	Weight [kg]
FP-12-S	71	34	M8	G 1/8"	G 1/8"	0.15
FP-12-M	81	34	M8	G 1/8"	G 1/8"	0.17
FP-12-L	94	34	M8	G 1/8"	G 1/8"	0.21
FP-18-S	81	42	M10	G 1/8"	G 1/8"	0.30
FP-18-M	94	42	M10	G 1/8"	G 1/8"	0.35
FP-18-L	109	42	M10	G 1/8"	G 1/8"	0.42
FP-25-S	98	50	M12	G 1/8"	G 1/4"	0.55
FP-25-M	116	50	M12	G 1/8"	G 1/4"	0.67
FP-25-L	136	50	M12	G 1/8"	G 1/4"	0.82
FP-35-S	98	65	M12	G 1/4"	G 1/4"	0.92
FP-35-M	116	65	M12	G 1/4"	G 1/4"	1.13
FP-35-L	136	65	M12	G 1/4"	G 1/4"	1.38



❶ Housing of hard anodized aluminium alloy
❷ Hard anodized aluminium socket
❸ Cap anodized
❹ Piston of leaded-bronze
❺ Compression spring

Technical data

Model	Vibrations [x 1000 min^{-1}] 2 bar	4 bar	6 bar	Force [N] 2 bar	4 bar	6 bar	Air consumption [l/min] 2 bar	4 bar	6 bar
FP-12-S	6.2	7.8	9.3	34	70	92	0.8	7.5	25.0
FP-12-M	5.0	6.0	6.7	34	58	74	0.5	4.0	19.0
FP-12-L	4.0	4.8	5.4	32	58	81	1.0	3.0	20.0
FP-18-S	5.0	6.4	7.7	66	134	187	5.0	33.0	57.0
FP-18-M	4.0	5.0	5.9	68	134	188	4.0	28.0	52.0
FP-18-L	3.1	4.0	4.6	64	150	206	5.0	23.0	46.0
FP-25-S	3.6	4.3	5.5	126	270	416	13.0	54.0	93.0
FP-25-M	3.0	3.8	4.2	142	364	504	23.0	50.0	87.0
FP-25-L	2.4	3.1	3.7	186	392	594	18.0	62.0	93.0
FP-35-S	3.8	4.7	5.8	294	668	1'038	23.0	101.0	162.0
FP-35-M	3.0	4.0	4.6	248	778	1'080	24.0	83.0	141.0
FP-35-L	2.4	3.1	3.6	282	680	1'066	38.0	89.0	135.0