

Oil-Free

DESIGN AND APPLICATION

The FPLF-series pneumatic piston vibrators have the same technical features like the FP-series. They produce a linear vibration with an infinitely variable amplitude and frequency. The frequency is controlled by the air pressure.

A spring is used in the vibrator body to aid starting. Minimum operating pressure 2 Bar (29 P.S.I.).

The aluminium body is hard coated and is corrosion resistant. The power-to-weight ratio of the unit makes it particularly efficient for feeder applications. Explosion proof, light weight, compact, quiet and efficient, these units are ideal for most applications. Easy to install and designed to work continuously under the most arduous conditions.

INSTALLATION INSTRUKTIONEN

Use a 5-Micron-Filter. Lubrication is not necessary.

GENERAL MAINTENANCE

The FPLF-series vibrators have a long life with no undue piston or cylinder wear. The air line filter must be inspected and cleaned at regular intervals. Dirt will slow down or stop the vibrator.

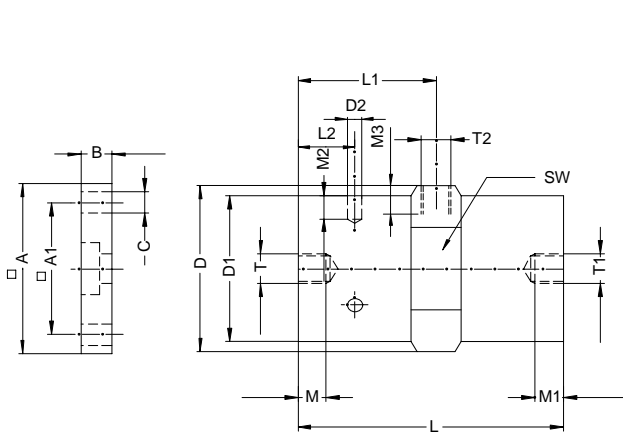
| model | FREQUENCY min ⁻¹ | | | CENTRIFUGAL FORCE N | | | AIR CONSUMPTION l / min | | | NOISE LEVEL | |
|------------|--------------------------------|-------|--------|------------------------|-------|-------|----------------------------|-------|-------|----------------|-------|
| | 2 bar | 4 bar | 6 bar | 2 bar | 4 bar | 6 bar | 2 bar | 4 bar | 6 bar | dBA* | dBA** |
| FPLF-12-XS | 6'000 | 9'000 | 11'500 | 22 | 48 | 68 | 0.8 | 6 | 15 | 60-64 | |
| FPLF-12-S | 6'200 | 7'800 | 9'300 | 34 | 70 | 92 | 0.8 | 7.5 | 25 | 57-61 | |
| FPLF-12-M | 5'000 | 6'000 | 6'700 | 34 | 58 | 74 | 0.5 | 4 | 19 | 57-61 | |
| FPLF-12-L | 4'000 | 4'800 | 5'400 | 32 | 58 | 81 | 1 | 3 | 20 | 58-60 | |
| FPLF-18-S | 5'000 | 6'400 | 7'700 | 66 | 134 | 187 | 5 | 33 | 57 | 62-71 | |
| FPLF-18-M | 4'000 | 5'000 | 5'900 | 68 | 134 | 188 | 4 | 28 | 52 | 61-67 | |
| FPLF-18-L | 3'100 | 4'000 | 4'600 | 64 | 150 | 206 | 5 | 23 | 46 | 61-68 | |
| FPLF-25-S | 3'600 | 4'300 | 5'500 | 126 | 270 | 416 | 13 | 54 | 93 | 70-75 | 61-67 |
| FPLF-25-M | 3'000 | 3'800 | 4'200 | 142 | 364 | 504 | 23 | 50 | 87 | 73-75 | 62-66 |
| FPLF-25-L | 2'400 | 3'100 | 3'700 | 186 | 392 | 594 | 18 | 62 | 93 | 72-75 | 60-65 |
| FPLF-35-S | 3'800 | 4'700 | 5'800 | 294 | 668 | 1'038 | 23 | 101 | 162 | 72-77 | 71-73 |
| FPLF-35-M | 3'000 | 4'000 | 4'600 | 248 | 778 | 1'080 | 24 | 83 | 141 | 74-78 | 70-73 |
| FPLF-35-L | 2'400 | 3'100 | 3'600 | 282 | 680 | 1'066 | 38 | 89 | 135 | 74-80 | 68-74 |
| FPLF-50-M | 1'850 | 2'300 | 2'800 | 490 | 970 | 1'660 | 48 | 120 | 192 | 70-77 | |
| FPLF-60-M | 1'950 | 2'400 | 2'700 | 610 | 1'400 | 2'170 | 90 | 180 | 275 | 73-79 | |
| FPLF-95-M | 1'800 | 2'400 | 2'800 | 1'620 | 4'060 | 6'150 | 170 | 300 | 490 | 88-93 | |

* with Customary Silencer

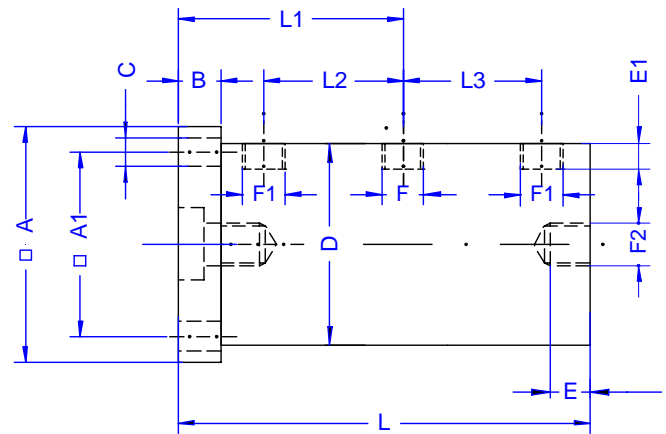
** with ¼"-Free-Flow Silencer

Data obtained with a Kistler 3-Axis Dynamometer on a heavy laboratory test block and displayed by a Kistler control monitor (COMO). Frequency and force will decrease on a less rigged mount. We reserve the right to improve, modify or withdraw specifications or products without notice or obligation.

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FPLF-12-XS up to FPLF-35-L



FPLF-50-M up to FPLF-95-M

DIMENSIONS in mm

| model | A* | A1* | B* | C* | D | D1 | D2 | L | L1 | L2 | M | M 1 | M 2 | M 3 | T | T1 | T2 | SW | kg | kg | kg |
|------------|------|------|------|-----|------|------|----|-------|------|----|------|------|-----|-----|------|-------|-------|------|-----------------|-------------------|-----------------|
| | | | | | | | | | | | | | | | | | | | weight/ body | weight/ piston | total weight |
| FPLF-12-XS | | | | | 37.0 | 31.0 | | 50.0 | 25.0 | | 11.0 | 11.0 | | 7.0 | M 8 | G1/8" | G1/8" | 34.0 | | | 0.105 |
| FPLF-12-S | | | | | 37.0 | 31.0 | | 71.0 | 35.5 | | 11.0 | 11.0 | | 7.0 | M 8 | G1/8" | G1/8" | 34.0 | 0.125 | 0.020 | 0.145 |
| FPLF-12-M | | | | | 37.0 | 31.0 | | 81.0 | 40.5 | | 11.0 | 11.0 | | 7.0 | M 8 | G1/8" | G1/8" | 34.0 | 0.140 | 0.030 | 0.170 |
| FPLF-12-L | | | | | 37.0 | 31.0 | | 94.0 | 47.0 | | 11.0 | 11.0 | | 7.0 | M 8 | G1/8" | G1/8" | 34.0 | 0.165 | 0.040 | 0.205 |
| FPLF-18-S | | | | | 45.0 | 40.0 | | 81.0 | 40.5 | | 13.0 | 11.0 | | 7.0 | M 10 | G1/8" | G1/8" | 42.0 | 0.220 | 0.060 | 0.280 |
| FPLF-18-M | | | | | 45.0 | 40.0 | | 94.0 | 47.0 | | 13.0 | 11.0 | | 7.0 | M 10 | G1/8" | G1/8" | 42.0 | 0.260 | 0.080 | 0.340 |
| FPLF-18-L | | | | | 45.0 | 40.0 | | 109.0 | 54.5 | | 13.0 | 11.0 | | 7.0 | M 10 | G1/8" | G1/8" | 42.0 | 0.300 | 0.110 | 0.410 |
| FPLF-25-S | 90.0 | 72.0 | 20.0 | 9.0 | 53.5 | 48.0 | | 98.0 | 41.5 | | 15.0 | 11.0 | | 7.0 | M 12 | G1/4" | G1/8" | 50.0 | 0.375 | 0.155 | 0.530 |
| FPLF-25-M | 90.0 | 72.0 | 20.0 | 9.0 | 53.5 | 48.0 | | 116.0 | 60.5 | | 15.0 | 11.0 | | 7.0 | M 12 | G1/4" | G1/8" | 50.0 | 0.435 | 0.215 | 0.650 |
| FPLF-25-L | 90.0 | 72.0 | 20.0 | 9.0 | 53.5 | 48.0 | | 136.0 | 70.5 | | 15.0 | 11.0 | | 7.0 | M 12 | G1/4" | G1/8" | 50.0 | 0.500 | 0.290 | 0.790 |
| FPLF-35-S | 90.0 | 72.0 | 20.0 | 9.0 | 69.0 | 58.0 | | 98.0 | 41.5 | | 15.0 | 11.0 | | 9.0 | M 12 | G1/4" | G1/4" | 65.0 | 0.530 | 0.315 | 0.845 |
| FPLF-35-M | 90.0 | 72.0 | 20.0 | 9.0 | 69.0 | 58.0 | | 116.0 | 60.5 | | 15.0 | 11.0 | | 9.0 | M 12 | G1/4" | G1/4" | 65.0 | 0.610 | 0.430 | 1.040 |
| FPLF-35-L | 90.0 | 72.0 | 20.0 | 9.0 | 69.0 | 58.0 | | 136.0 | 70.5 | | 15.0 | 11.0 | | 9.0 | M 12 | G1/4" | G1/4" | 65.0 | 0.700 | 0.580 | 1.280 |

*optional

| model | A | A1 | B | C | D | E | E1 | F | F1 | F2 | L | L1 | L2 | L3 | | | | | kg | kg | kg |
|-----------|-----|-----|----|------|-------|----|----|-------|-------|-------|-------|------|------|------|--|--|--|--|-------|-------|-------|
| FPLF-50-M | 90 | 72 | 20 | 8.8 | 84.0 | 13 | 10 | G1/4" | G1/4" | G1/4" | 154.0 | 78.5 | 41.5 | 41.5 | | | | | 1.350 | 1.500 | 3.250 |
| FPLF-60-M | 110 | 90 | 20 | 8.8 | 94.0 | 13 | 10 | G1/4" | G3/8" | G1/4" | 154.0 | 78.5 | 41.5 | 41.5 | | | | | 1.520 | 2.150 | 4.250 |
| FPLF-95-M | 150 | 124 | 19 | 13.0 | 140.0 | | 12 | G3/8" | G3/8" | | 156.0 | 77.5 | 35.0 | 35.0 | | | | | 2.600 | 4.900 | 9.400 |

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