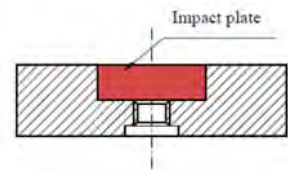


OILFREE



DESIGN AND APPLICATION

The FPK-series high frequency knockers & piston vibrators are versatile dual purpose continuous units and can simply be converted to operate in either cushioned or impacting mode. They are supplied for cushioned use and with a hard and soft pad (impact plate) for converting to impacting. Simply remove the base plate (4 allen screws) and place or remove one of the pads in the counterbore and refit the base plate. The hard pad is already installed - the soft pad is added separately. They produce a linear vibration with or without impacts with an infinitely variable amplitude and frequency. The frequency is controlled by the air pressure.

The aluminium body is hard coated and is corrosion resistant. Explosion proof (optional), light weight, compact and efficient, these units are ideal for most applications. Easy to install and designed to work continuously under the most arduous conditions.

INSTALLATION INSTRUKTIONEN

GENERAL MAINTENANCE

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

On request can be supplied with ATEX certification to Ex II 2 G / D c T6 T85°C.

TECHNICAL DATA FPK-40

	FREQUENCY			FORCE			AIR CONSUMPTION		
	min ⁻¹			N			l / min		
operating condition:	2 bar	4 bar	6 bar	2 bar	4 bar	6 bar	2 bar	4 bar	6 bar
without impact plate (vibrator)	2100	2400	2600	195	455	730	93	150	225
with soft impact plate installed	2800	3900	4600	3920	10410	15030	100	195	360
with hard impact plate installed *	2800	3900	4600	7240	14990	22750	100	195	360

TECHNICAL DATA FPK-55

	FREQUENCY			FORCE			AIR CONSUMPTION		
	min ⁻¹			N			l / min		
operating condition:	2 bar	4 bar	6 bar	2 bar	4 bar	6 bar	2 bar	4 bar	6 bar
without impact plate (vibrator)	1350	1750	2050	510	1165	1985	162	360	470
with soft impact plate installed	2200	3400	4300	5430	21310	36570	230	380	500
with hard impact plate installed *	2200	3400	4300	17570	36960	56350	230	380	500

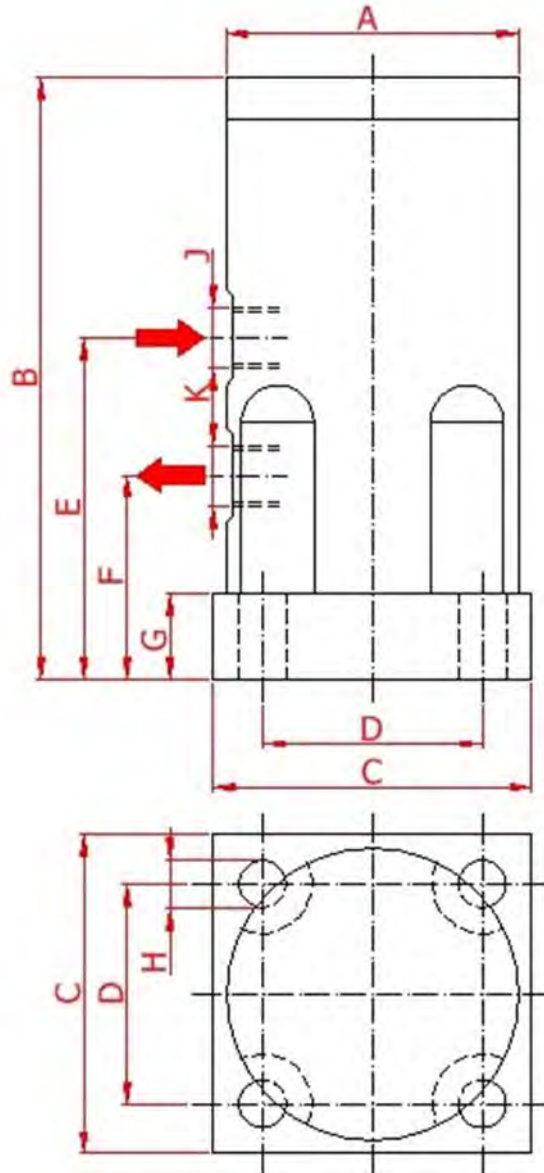
* standard when delivered

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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The ground plate offers four bore holes to fix the vibrator easily (allen screws grade 8.8 are recommendet). The air inlet and outled at the side of the vibrator body are 1/4"-tapped holes to fit connectors and silencers. The ambient temperature should not exceed 100°C (212°F). The FPK-types can be mounted and work in any position. Filtered compressed air (2 up to 6 bar / filter < 5 µm) is necessary.

DIMENSIONS in mm



DIMENSIONS in mm											weight
Type	A	B	C	D	E	F	G	H	J	K	kg
FPK-40	68	140	74	51	80	48	20	11	G1/4"	G1/4"	1,68
FPK-55	94	191	104	78	111	60	25	13	G3/8"	G3/8"	2,50

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