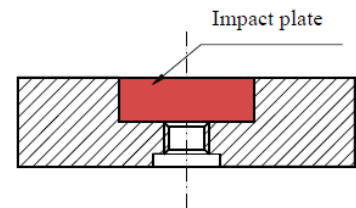


**OILFREE**



**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**

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.

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

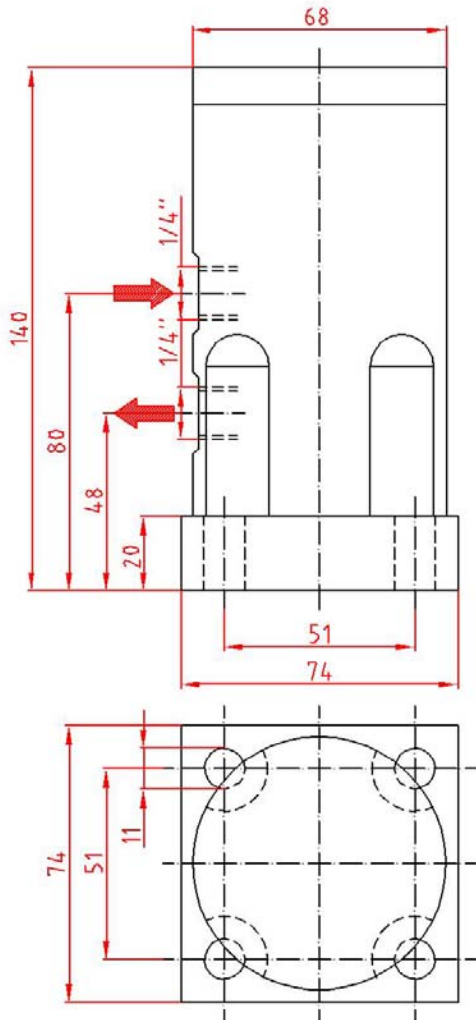
**TECHNICAL DATA FPK-40**

	FREQUENCY			FORCE			AIR CONSUMPTION		
	min <sup>-1</sup>			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)	1900	2200	2600	160	350	620	90	130	220
with soft impact plate installed	2400	3500	4300	300	6200	8300	110	180	270
with hard impact plate installed *	2400	3500	4300	7200	14000	16100	110	180	270

\* 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.

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 FPK-40 in mm**

weight: 1,68 kgs net • 1,76 kgs gross

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