

High-frequency Knockers FPK



Properties

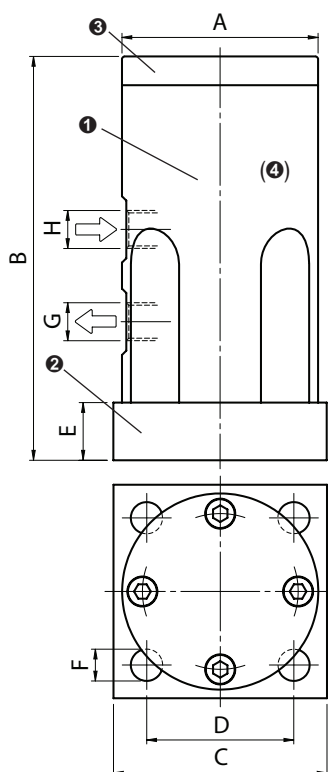
- High impact frequency 1'350 – 4'600 min⁻¹
- High force range 195 – 56'350 N
- Lubrication-free
- Applicable up to 120°C, HT version up to 150°C and LT version down to -40 °C on request
- Applicable in dusty environments
- Also available with ATEX certification

Field of application

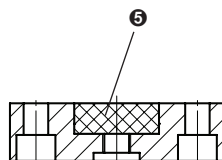
Wide range of application, for example knocking off adhering material from container walls such as silos, chutes, filter outlets, reactors and pipelines. Excellent use for food, beverage and pharmaceuticals.

Construction

- The piston bounces against an air cushion - or with impact plate - against one of the two synthetic baffle plates included in the delivery.
- Additional impact regulation is provided by the two supplied baffle plates of varying hardness.
- Extra hard and non-corrosive surface through aluminium oxide – generated by titaniferous electrolyte.



- ① Aluminium housing hard Ematal coated
- ② Baseplate hard Ematal coated
- ③ Cap hard Ematal coated
- ④ Piston of coated steel
- ⑤ Baffle plate of synthetic material



Supplied with two baffle plates. The hard one (white) is premounted.

Dimensions and weights

Model	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G Thread	H Thread	Weight [kg]
FPK-40	ø 68	140	74	51	20	11	G 1/4"	G 1/4"	1.20
FPK-55	ø 94	191	104	78	25	13	G 3/8"	G 3/8"	4.70

Technical data

Model	Baffle plate	Frequency [x 1000 min ⁻¹]			Force (peak) [N]			Air consumption [l/min]		
		2 bar	4 bar	6 bar	2bar	4 bar	6 bar	2 bar	4 bar	6 bar
FPK-40	none	2.10	2.40	2.80	195	455	730	93	150	225
	soft	2.80	3.90	4.60	3'920	10'410	15'030	100	195	360
	hard	2.80	3.90	4.60	7'240	14'990	22'750	100	195	360
FPK-55	none	1.35	1.75	2.05	510	1'165	1'985	162	360	470
	soft	2.20	3.40	4.30	5'430	21'310	36'570	230	380	500
	hard	2.20	3.40	4.30	17'570	36'960	56'350	230	380	500