



URBAR
ingenieros s.a.



Sacudidor percusor

Serie PKL

- High impact power.
- Low compressed air requirement per impact.
- Low noise versions with elastomer insert EE.
- Versions with automatic control ST.
- ATEX or stainless steel versions available.



Applications

Series PKL pneumatic impactors are particularly suitable for knocking stubborn residues from walls, pipes and containers.

Examples of applications include: elimination of tube forming, bridging and evacuation of residues.

Design and Function

The impact (similar to a hammer) is created by the piston. With PKL 125 to 150 the impact is produced directly against the surface upon which the impactor is mounted.

From PKL 170 upwards the impact is produced against the base plate. The compressed air pushes the piston against one or two springs. The fast exhausting of the piston chamber causes the piston to strike abruptly against the impact surface.

Series PKL impactors can be operated using non lubricated compressed air.

A directional control valve is necessary for activation (not included). The maximum impact sequence is 10 impacts in a row, at a rate of 15 impacts per minute and 180 impacts per hour.

Permissible Operating Conditions: Drive Medium:

Compressed air or nitrogen, preferably with oil mist.

Operating Pressure:

2,5 bar to 6 bar

Ambient Temperature:

- 20°C to 60°C

- HT version up to 160°C



PKL 170



PKL 150



PKL 200

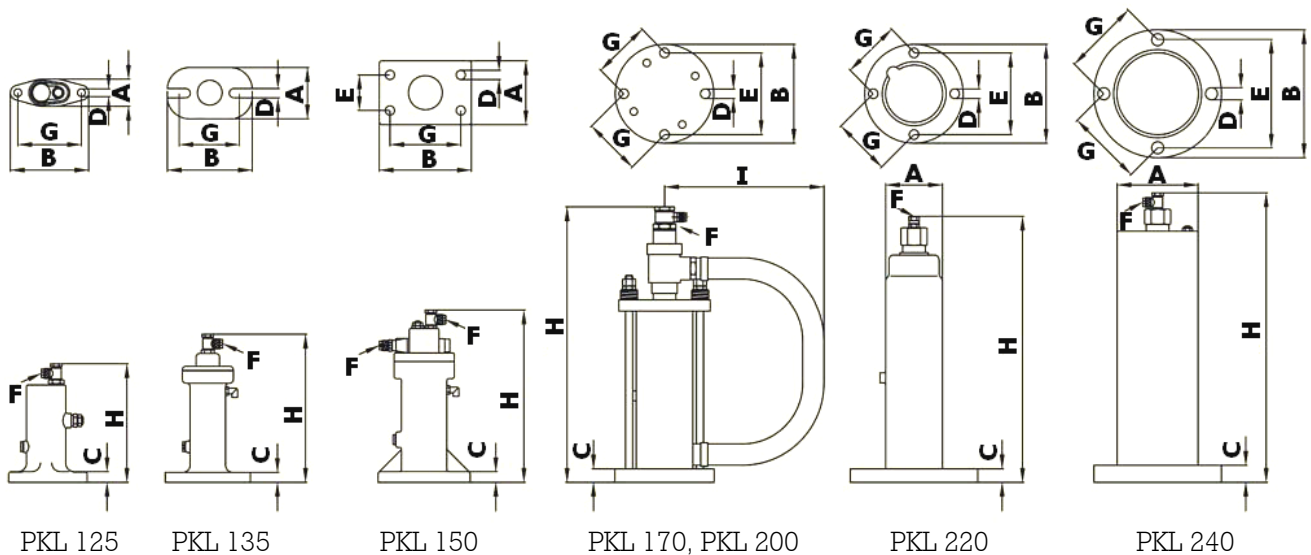


Technical data

Modelo	Optimum operating pressure bar	Impact force* kg	Air requirement / impact at optimum pressure l	Weight kg	Suitable for wall thickness mm
PKL 125/4	4,0	0,43	0,09	0,8	1 – 2
PKL 125/6	5,3	0,60	0,14	0,8	1 – 2
PKL 135/4	3,0	0,56	0,13	1,5	1 – 3
PKL 135/6	4,5	0,92	0,18	1,5	1 – 3
PKL 150/4	3,8	1,80	0,38	2,6	2 – 4
PKL 150/6	5,0	2,70	0,54	2,6	2 – 4
PKL 170/5	5,0	6,30	1,41	10,5	3 – 5
PKL 200/5	4,0	7,55	2,40	19,9	4 – 8
PKL 220/4	3,5	5,50	1,43	8,5	8 – 12
PKL 220/6	5,6	8,80	2,10	8,6	8 – 12
PKL 240/4	4,5	12,40	2,00	24,0	10 – 12
PKL 240/6	6,0	16,60	3,01	24,1	> 10
PKL 240/8	7,0	19,30	3,97	24,2	> 10

*) The impact corresponds to the effect of the given weight, when dropped from a height of 1 m.

Dimensions (mm)



Type	A	B	C	∅D	E	F	G	H	I
PKL 125	38	111	15	9,0	-	G1/8, NW 6x1	90,0	167	-
PKL 135	72	120	14	13,0	-	G1/8, NW 6x1	90,0	204	-
PKL 150	90	130	15	12,5	50	G1/8, NW 6x1	100,0	240	-
PKL 170	-	∅ 140	19	13,5	∅ 115	G1/8, NW 6x1	81,5	397	~230
PKL 200	-	∅ 180	24	17,0	∅ 152	G1/8, NW 6x1	107,5	425	~230
PKL 220 ♣	∅ 80	∅ 140	18	13,5	∅ 115	G1/8, NW 6x1	81,5	380	-
PKL 220 ♠	∅ 80	∅ 180	22	17,0	∅ 152	G1/8, NW 6x1	107,5	384	-
PKL 240	∅ 114	∅ 180	27	17,0	∅ 152	G1/8, NW 6x1	107,5	405	-

♣ With fixing dimensions as for PKL 170 ♠ With fixing dimensions as for PKL 200



"ST" kit

The ST kit enables a continuous impact sequence when connected to a permanent compressed air supply.

"EE" kit

The EE kit replaces the steel plate and is used to produce a low noise impact or "rubber hammer effect".

PKL E (ATEX)

PKL E pneumatic impactors comply with directive 94/9/EC (ATEX product directive) device group II and are suitable for use in potentially explosive areas of category 2 (2G and 2D 85°C[T6]) in zones 1, 2, 21 and 22.

PKL S (Stainless Steel)

Stainless steel intermittent impactors satisfy the specific requirements for chemical resistance of the surfaces.

PKL HT (High Temperature)

The HT series is designed for use at ambient temperatures of up to 160°C .

Working pressure

PKL series work generally speaking, under a 4 – 6 bar pressure.

