

PS - Single Impact

The PS series hammers produce a high impact force thanks to a single impact between the internal piston and the metal base welded on the walls of silos and hoppers. This action is particularly effective in moving powders that tends to compact under pressure or to

adhere to the walls, as well as the majority of granular and bulk materials. For this reason the PS series products represent the ideal solution to the problems of formation of bridges and mouse holes.



PS type "A"



PS type "B"

PS - SINGLE IMPACT - PNEUMATIC LINEAR VIBRATORS

APPLICATION	Hopper and silo
POWDER	All kind of powders and granular material, hygroscopic included
PROBLEM SOLVING	Bridge, rat-holing and incomplete clean out

FEATURES

DUTY CYCLE	Discontinuous
WORKING PRESSURE	From 3 bar to 6 bar (from 43 psi to 87 psi)
PNEUMATIC CIRCUIT	Filter + flow control valve
AIR SUPPLY QUALITY	Class 5.4.1.
WORKING TEMPERATURE	From -20 °C to 80 °C (from -4 °F to 176 °F)
MAX NOISE LEVEL	125 dB(a)
TECHNOLOGY	Single impact
MATERIAL	Aluminium body, steel attachment plate, aluminium head

OPTIONS

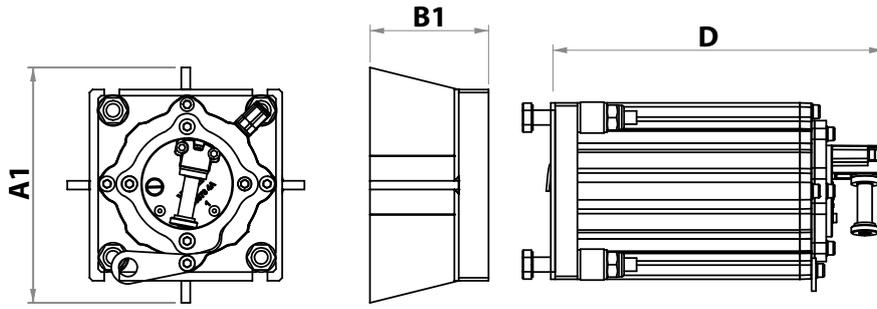
KIT ATEX	II3D Ex h IIIC T85°C Dc - PP plate, WKL® tablet
TIMER	Adjustable from 30 sec to 45 min
MULTI-TENSION COILS	From 24V (AC/DC) to 230V
ELECTRONIC BOARD AND EXTENSION	To control up to 15 hammers
FULLY PNEUMATIC KIT	Available
STAINLESS STEEL PLATE TYPE B	Available Steel AISI 304

NOTE: Dimensions with coarse degree of accuracy related to UNI 22768/1

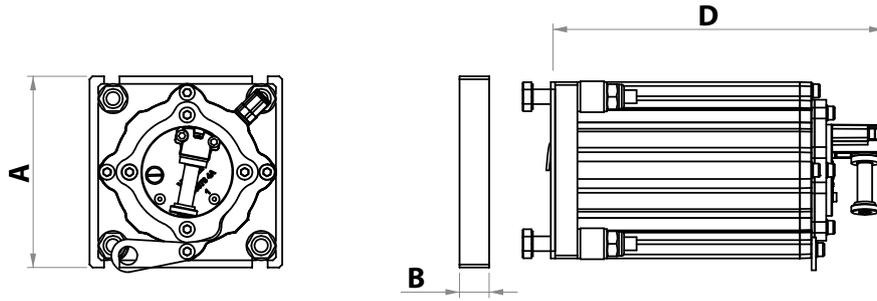
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» Conformity with European Directive
 » II3D Ex h IIIC T85°C Dc with ATEX KIT



PS TYPE "A"



PS TYPE "B"

PS TYPE "A" [≤ 3mm HOPPER THICKNESS]

Model	DIMENSIONAL SPECIFICATIONS							
	A1		B1		D		Weight	
	mm	in	mm	in	mm	in	Kg	lb
PS 40	160	6.3	80	3.1	223	8.8	6.7	14.8
PS 63	200	7.9	95	3.7	263	10.3	15.9	35.0
PS 80	250	9.8	119	4.7	318	12.5	25.6	56.4

PS TYPE "B" [> 3mm HOPPER THICKNESS]

Model	DIMENSIONAL SPECIFICATIONS							
	A		B		D		Weight	
	mm	in	mm	in	mm	in	Kg	lb
PS 40	130	5.1	20	0.7	223	8.8	5.1	11.2
PS 63	160	6.3	20	0.7	263	10.3	13.1	28.9
PS 80	200	7.9	25	1.0	318	12.5	20.1	44.3

Model	3 BAR						6 BAR						I Ø Pipe		Air inlet
	Energy		Force		Air consumption		Energy		Force		Air consumption				
	J	lbf/in	N	lb	l/cycle	Cf/cycle	J	lbf/in	N	lb	l/cycle	Cf/cycle	mm	in	BSPP
PS 40	8.4	74.3	199	44.7	2.6	0.09	18.1	160.2	429	96.4	4.6	0.16	8	0.3	1/8" BSPP
PS 63	28.8	254.9	589	132.4	6.4	0.22	62.0	548.7	1268	285.0	11.6	0.41	8	0.3	1/4" BSPP
PS 80	59.2	523.9	846	190.1	12.5	0.44	153.0	1354	2186	491.4	21.0	0.74	8	0.3	1/4" BSPP

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