

## PUL NOCKER® PK Series



**PK-30M**



**PK-30F**



**PK-43F**

PUL NOCKER® is designed as a pneumatic impacting and vibrating device for hopper walls, featuring a new mechanism that uses a magnet for the operating valve to convert compressed air to pulses. The created air pulses instantaneously push down the piston to impact on a hopper or tank wall. The pulse interval is freely controllable by using a speed control valve.

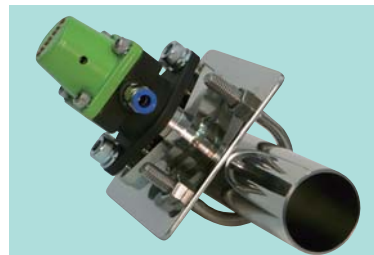
### Features

#### Driven only by compressed air

- PUL NOCKER® is very cost-effective because of its lower air consumption thanks to air pulse operation.
- The impacting interval is freely controllable by using a speed control valve, and so can be set to different operational requirements according to the characteristics of your powder or granules.
- Easy to use. A unique magnetic valve is built into PUL NOCKER®, which works by compressed air without a solenoid valve or electric control.

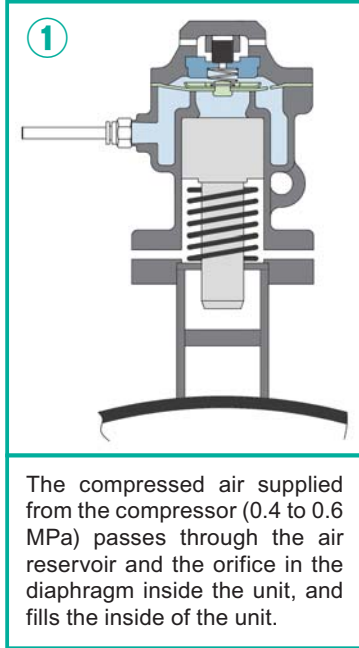
#### Small and lightweight (PK-30M)

- It can be attached to a small hopper, tank or pipe.

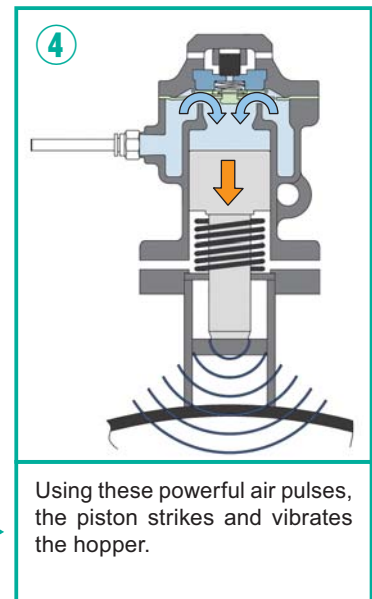
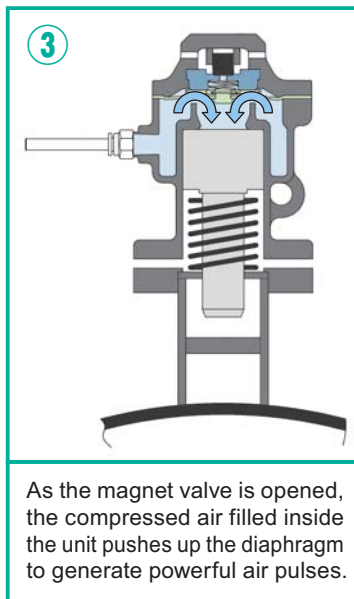
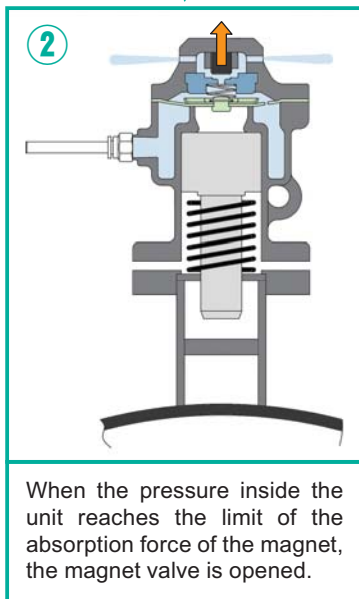
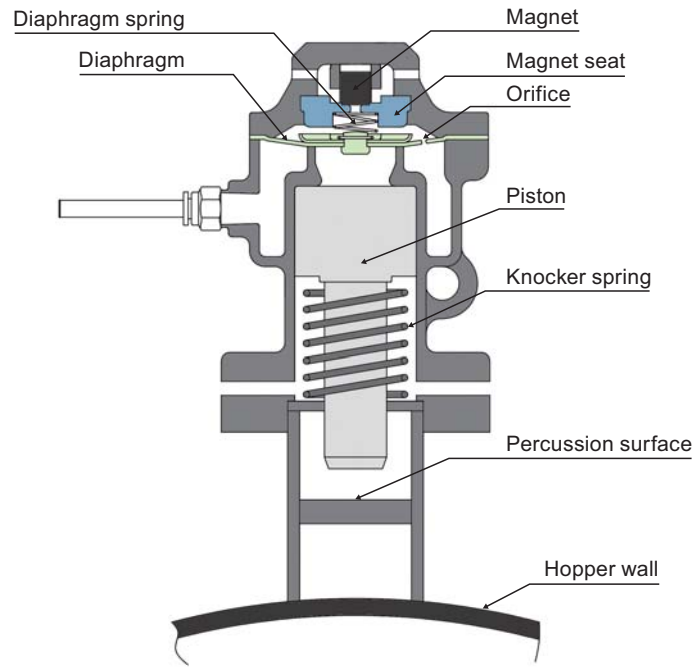


Example of attaching to a pipe

## Principle of Operation



## Names of Components



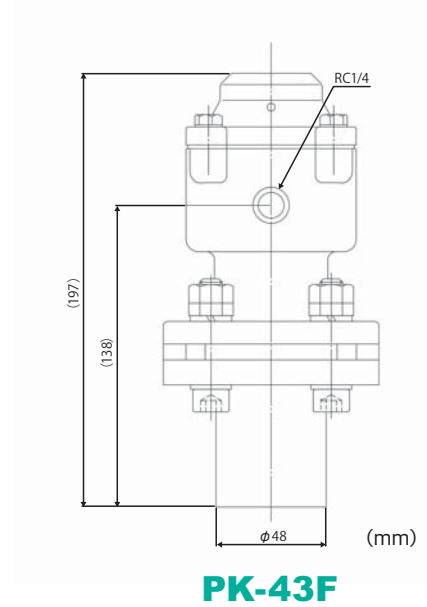
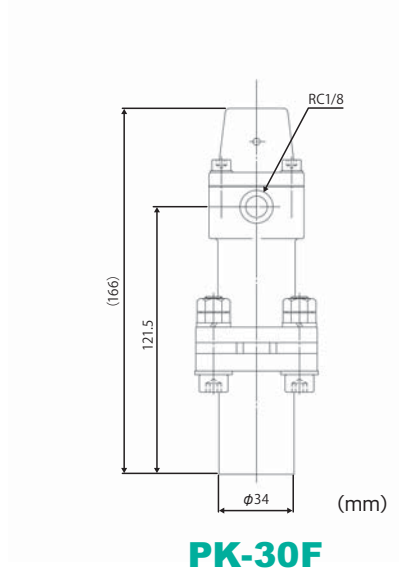
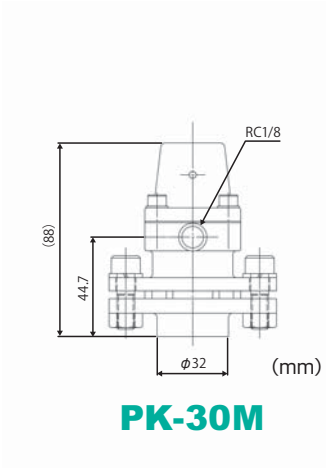
## Specifications

Model	Supply pressure [MPa]	Connection tube [mm]	Operating interval [sec]	Air quantity [L/pulse]	Impact strength [kg·m/s]	Weight [kg]
PK-30M	0.4~0.6	O.D. φ6 (I.D. φ4)	1~60	0.02~0.03	~0.38	0.5
PK-30F	0.4~0.6	O.D. φ6 (I.D. φ4)	1~60	0.02~0.05	~0.64	1.1
PK-43F	0.4~0.6	O.D. φ6 (I.D. φ4)	1~60	0.05~0.15	~1.9	2.8

Note 1: Always use the machine within the range of the specified supply pressure.  
Note 2: Use air or inert gas.

Note 3: The operating interval should be set to 1 sec or longer per pulse.  
Note 4: The maximum operating temperature is 40°C.

## Dimensions

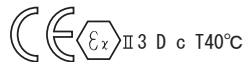


## Product code

Product code	Product name
PK30M00000	PUL NOCKER® PK-30M
PK30F00000	PUL NOCKER® PK-30F
PK43F00000	PUL NOCKER® PK-43F
PK30MAX000	PUL NOCKER® PK-30M AX1
PK30FAX000	PUL NOCKER® PK-30F AX1
PK43FAX000	PUL NOCKER® PK-43F AX1

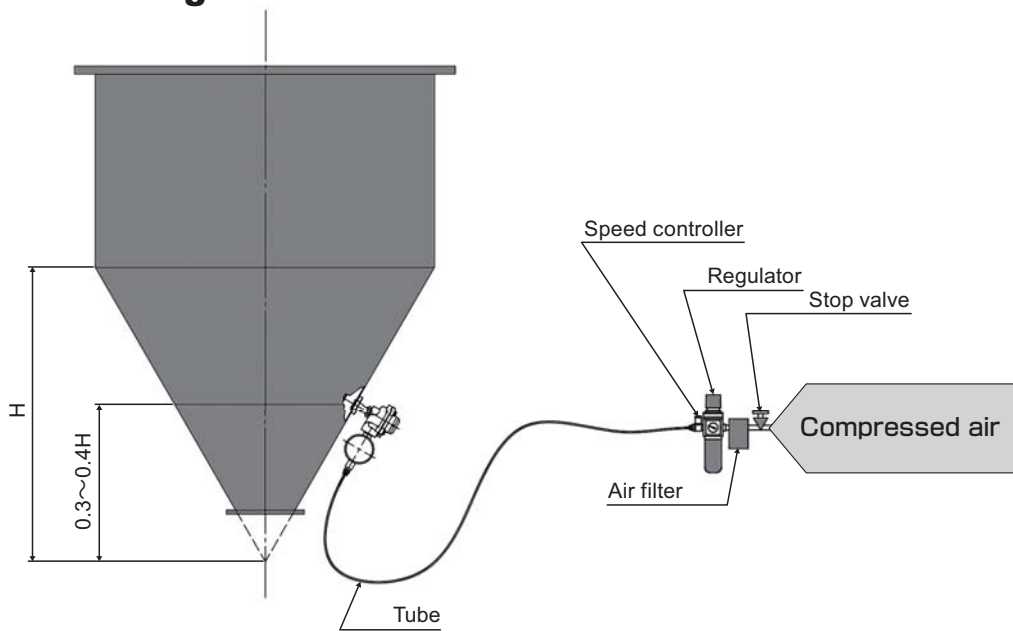
Note 1: The AX1 type is based on ATEX Directive 94/9/EC,

Note 2: Safety must be carefully evaluated to reduce the risk in an explosion-proof environment.



# Installation examples

## ■ Connection diagram



# Installation photos

