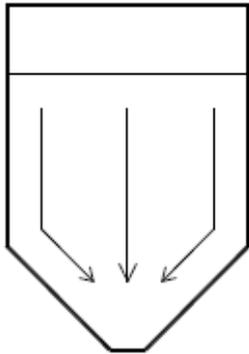
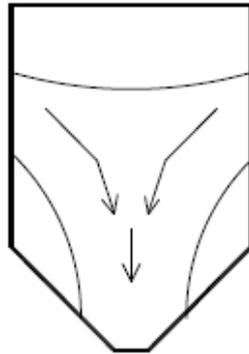


Pneumatic Impactor

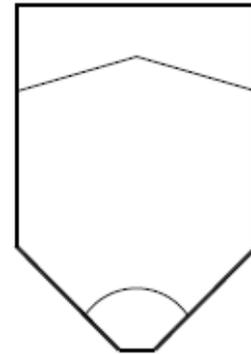
In silos, tanks, reactors or conveyor systems a continued flow or a good emptying of bulk material is wished. Depending of the equipment construction or the bulk material features sediments are built up or material bridges stop continued flow.



optimal



kein gleichmäßiges
Entleeren



Materialbrücke
Entleerung blockiert

A pneumatic impactor (pneumatic beater / pneumatic hammer) helps. The function is comparable with a rubber hammer, pneumatic accelerated.



The pneumatic impactor, type FWA (former MCTAG), generates through its nearly unresistant bearing a high and energy efficient impulse.

The features are:

- high duration of life (> 1.000.000 cycles)
- minimum air consumption, minimum energy cost
- integrated compressed air reservoir
- operational pressure 0,5 up to 2 (3) bar (exception MAX 60)
- adjustable punch force through operating pressure
- operation with oil-free and dry air
- impactor body manufactured out of stainless steel
- electric power supply 24 V DC or 230 V AC
- impactor mounting angle to horizontal 15° respectively 20° disposed

There exist four versions

Type	punch force	thickness of tank	mounting position	air consumption	P _{max} / S _{max}
MI 70	4 kg	2,5 mm	20° + 2°	0,4 Liter	3 bar / 12 kg
EA 102	15 kg	2,5 – 4 mm	15° + 2°	0,8 Liter	2 bar / 30 kg
MA 102	25 kg	> 4 mm	15° + 2°	1,2 Liter	2 bar / 50 kg
MAX 60		> 5 mm	any	n/a	7 bar / 60 kg

Annotation:

- The punch force corresponds to the effect of the same weight, which falls from the height of 1 m.
- Figures of air consumption per stroke and punch force with adjusted operating pressure of 1 bar.
- Roughly estimated maximum punch force S_{max} at maximum operating pressure P_{max}.
- MAX 60, operating pressure 4 – 7 bar, servo actuated system, 4/2-way-pilotvalve 24 V DC, life cycles > 600.000 cycles

Standard

Impactor with solenoid



Heavy duty

Impactor with connection for external pilot valve



Picture right: example two mounted pneumatic impactors

Additional components for quick mounting and installation:

- fastener for mounting (welding) at tank
- electronic and pure pneumatic impulse / pause controller
- pilot valve (relief) for mounting or in box mounted
- pressure regulator for adjusting the force of punch

Interested? Please ask for more detailed information.

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