



V200C



V170C



V150C

Linear Impactor

High Force

Robust Construction

Suitable for temperature up to 80 °C

Primary use for discharge aid on Hoppers, Silos, Bunkers

On request can be supplied with ATEX certification to ATEX 2014/34/EU  II 2 G & D Zone 1, 2 & 21, 22

PERFORMANCE

MODEL	Impacts per Minute @ 5.5 Bar	Air Consumption @ 5.5 Bar	Hopper Wall mm	Weight kgs	Impact Force * Kg	Work (Nm)/Blow with Optimum Pressure
V150S	Single Impact	0.8 litres per impact	2 - 4	3.30	2.70	30Nm
V150C	Continuous Impacts variable from 6-100/min	0.8 litres per impact	2 - 4	3.80	2.70	30Nm
V170S	Single Impact	1.7 litres per impact	3 - 5	11.0	6.30	84Nm
V170C	Continuous Impacts variable from 6-100/min	1.7 litres per impact	3 - 5	11.5	6.30	84Nm
V200S	Single Impact	3.6 litres per impact	4 - 8	22.0	7.55	141Nm
V200C	Continuous Impacts variable from 6-100/min	3.6 litres per impact	4 - 8	22.5	7.55	141Nm

* The impact Corrsponds to the effect of the given weight, when dropped from a height of 1 mtr

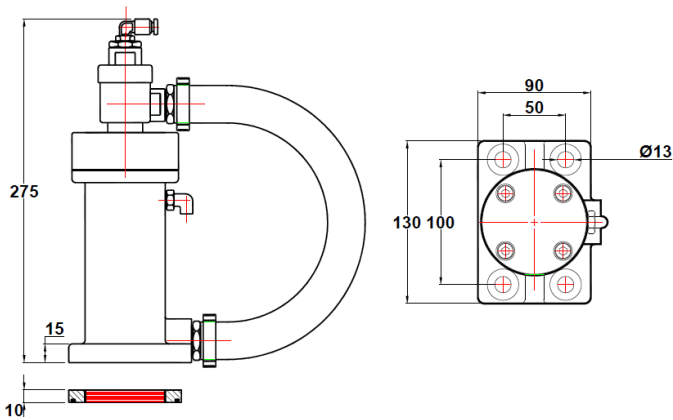
VIBRATECHNIQUES LTD

20 Cecil Pashley Way, Shoreham Airport, Shoreham by Sea, West Sussex, BN43 5FF

Tel: +44 (0)1273 430977 Fax: +44 (0)1273 430978 Email: sales@vibtec.com Web: www.vibtec.com

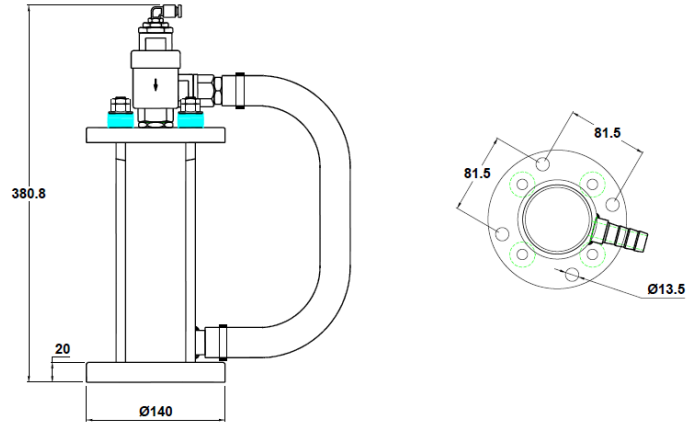
V150 DIMENSIONS

V170 DIMENSIONS



Can be used as direct impact without plate

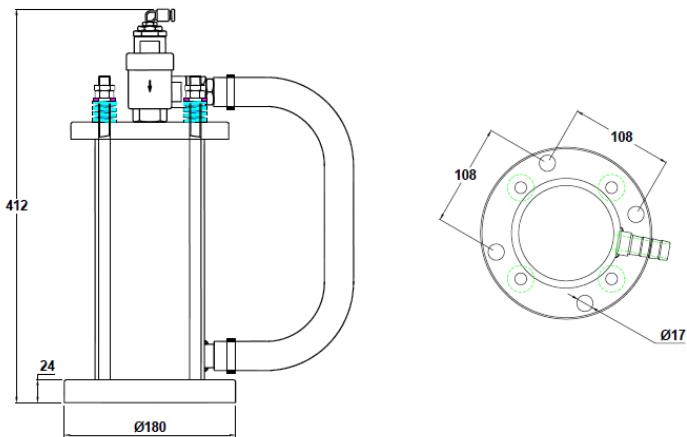
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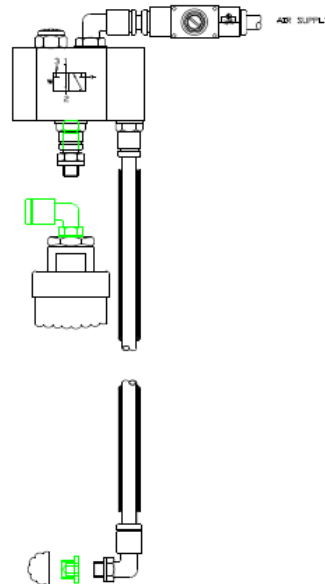
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V200 DIMENSIONS

P Kit



Drawing No 045103



P Kit converts Single Impact Vibrator to Continuous Impact Vibrator. When ordering Continuous Vibrator order a P Kit separately. When converting to Continuous Impact remove existing top inlet fitting and 1/8 BSP bottom plug and attach valve assembly and lower swivel elbow.

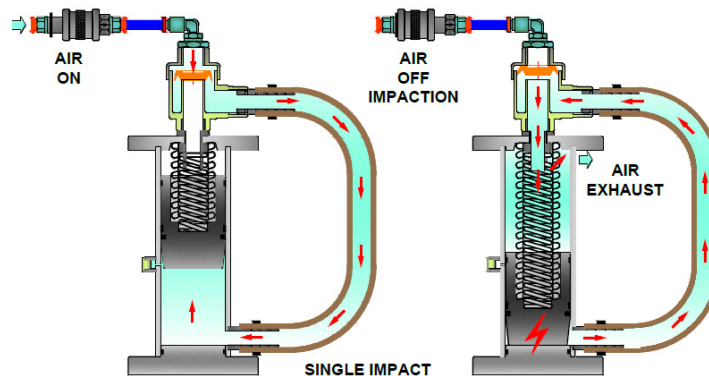
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20 Cecil Pashley Way, Shoreham Airport, Shoreham by Sea, West Sussex, BN43 5FF

Tel: +44 (0)1273 430977 Fax: +44 (0)1273 430978 Email: sales@vibtec.com Web: www.vibtec.com

SINGLE IMPACT



Single Impact operation

When air turned on, air is delivered via the side hose to the base of piston.

Piston rises and compresses the springs.

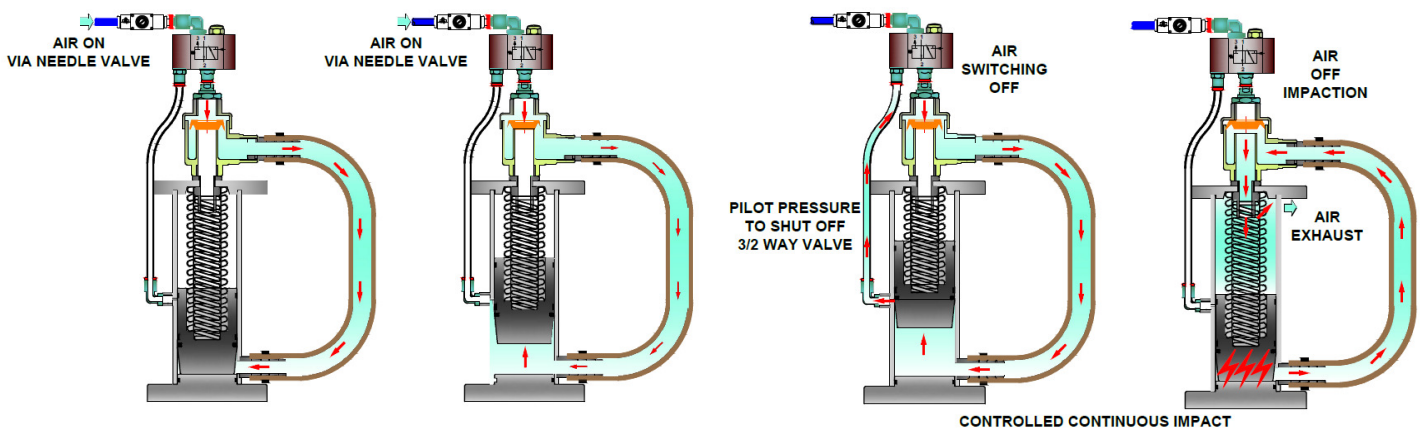
Piston held in charged position whilst air supply is on

When air supply shut off, the quick exhaust valve opens. Air exhausts and the springs assisted by the re-cycling air forces piston to impact on the base plate.

Cycle is repeated by the air supply being turned on and off.

NB: DO NOT PRESSURISE UNIT WHEN NOT IN USE, SPRINGS NEED TO BE AT FULL LENGTH

CONTINUOUS IMPACT



Continuous Impact operation

When air turned on, air is delivered via the side hose to the base of piston.

Piston rises and compresses the springs

When the base of the piston reaches the side port, air is delivered to the 3/2 valve, which shuts.

The quick exhaust valve opens. Air exhausts and the springs assisted by the re-cycling air forces piston to impact on the base plate. After the air is exhausted through the quick exhaust valve, the 3/2 valve opens automatically and the cycle is repeated until the air supply is shut off.

The frequency of the impacts is controlled by the air restricting needle valve