



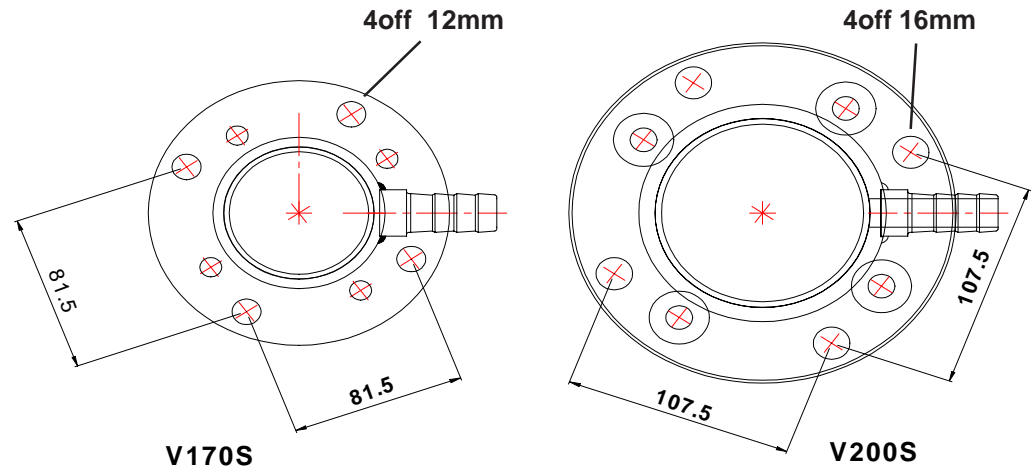
Description

The **V170 / V200** impacting piston vibrators are of robust construction having a steel case and a hardened steel piston. They are designed so that the piston strikes the base plate of the vibrator and is therefore totally enclosed. If the Damper Kit (supplied as standard) is used between the vibrator and the mounting plate noise is reduced significantly.

Application

The **V170 / V200** impacting piston vibrators are designed to give a high shock force suitable for knocking off stubborn material adhering to hopper walls, which in turn would diminish the possibility of bridging and ratholing. Suitable for hopper wall thickness 6mm - 10mm (V170), 10mm - 12mm (V200). Please allow us to quote you for other fittings and control equipment.

BASE BOLT FIXINGS



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03/04



Operating and Maintenance Instructions

V170S & V200S Impacting vibrators are operated single impact. They operate from 5.5 Bar min. up to 6.5 bar max. via a regulator / filter unit. For operating at lower pressure see below. The working temperature should be in the range +5° / +100°. The vibrator must be securely mounted to a flat smooth surface.. Noise level will exceed 85dB(A), therefore special precautions must be taken.



Do not attempt to run vibrator when it is unattached to a mounting plate.
Before starting the vibrator for the first time ensure all bolts, screws and hose connections are secure.

V170S & V200S Single Impacting

Setup the vibrator for single impacting (see next page). Connect vibrator to a manual, electrical or pneumatic operated 3/2 valve. Air on - vibrator is charged, air off - vibrator impacts.

V170C & V200C Continuous impacting

Setup the vibrator for continuous impacting (see next page). Connect vibrator to main air supply via a manual, electrical or pneumatic operated on / off valve. Vibrator impaction can be varied from 6-100 blows per minute by adjusting the sequence control.

V170 & V200 Lower Pressure Operation

To operate at lower pressure from 3.5 Bar to 5.5 Bar, lift off top plate assy by removing the 4 off locknuts, washers and rubbers (V170) or springs (V200). Re assemble without the central inner spring. When tightening the nuts of the V170S, the rubbers should be compressed to approx.18mm. When tightening the nuts of the V200, the springs should be compressed to approx.26mm.

MAINTENANCE

Generally little maintenance is required if good filtered air is used. If the vibrator is not to be used for some time, add a few drops of oil and run briefly. If necessary the vibrator can be carefully dismantled by unscrewing the 4 bolts. Be careful to note the position of the plain washers, rubber washers and rubber mounts for re assembling. Carefully part top and base plates from housing. Gently push out piston ensuring not to damage guides and seals. Carefully wash and clean with parafin and re assemble.

SAFETY



Always ensure compressed air is off during installation or maintenance.



Always ensure the air filter is working adequately.



Always use locknuts, locking washers or Loctite with fixing bolts.

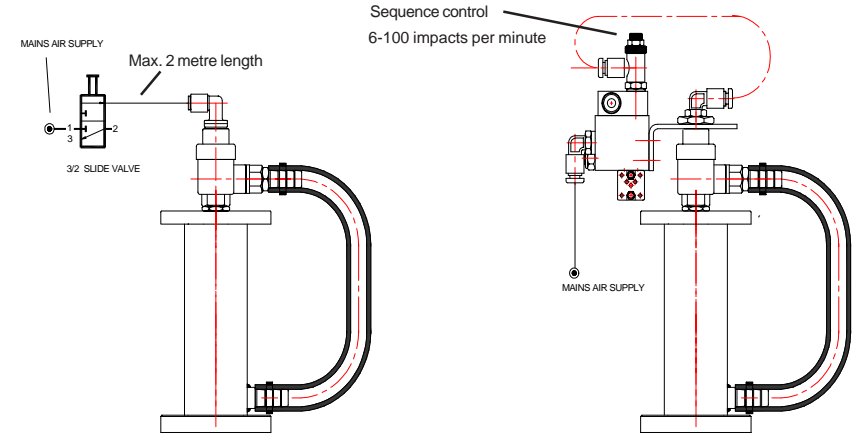


Always maintain a regular check on the tightness of the fixing bolts.



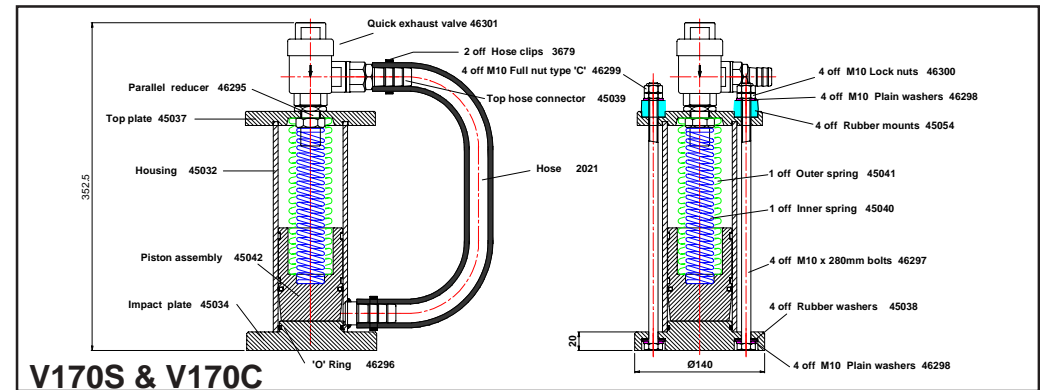
Always check hose connections regularly.

Control circuits for V170 & V200 Impacting Vibrators

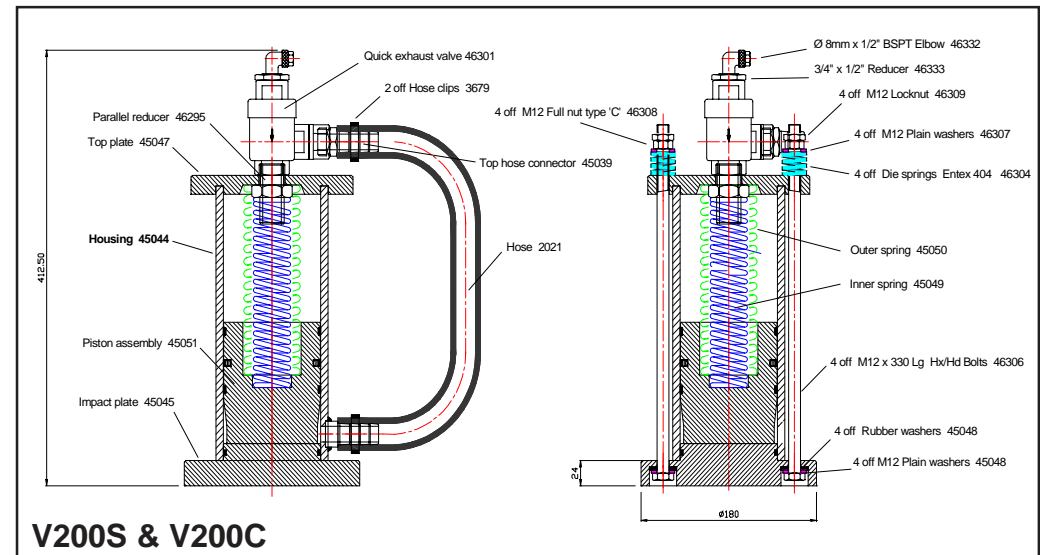


V170S & V200S single

V170C & V200C continuous



V170S & V170C



V200S & V200C