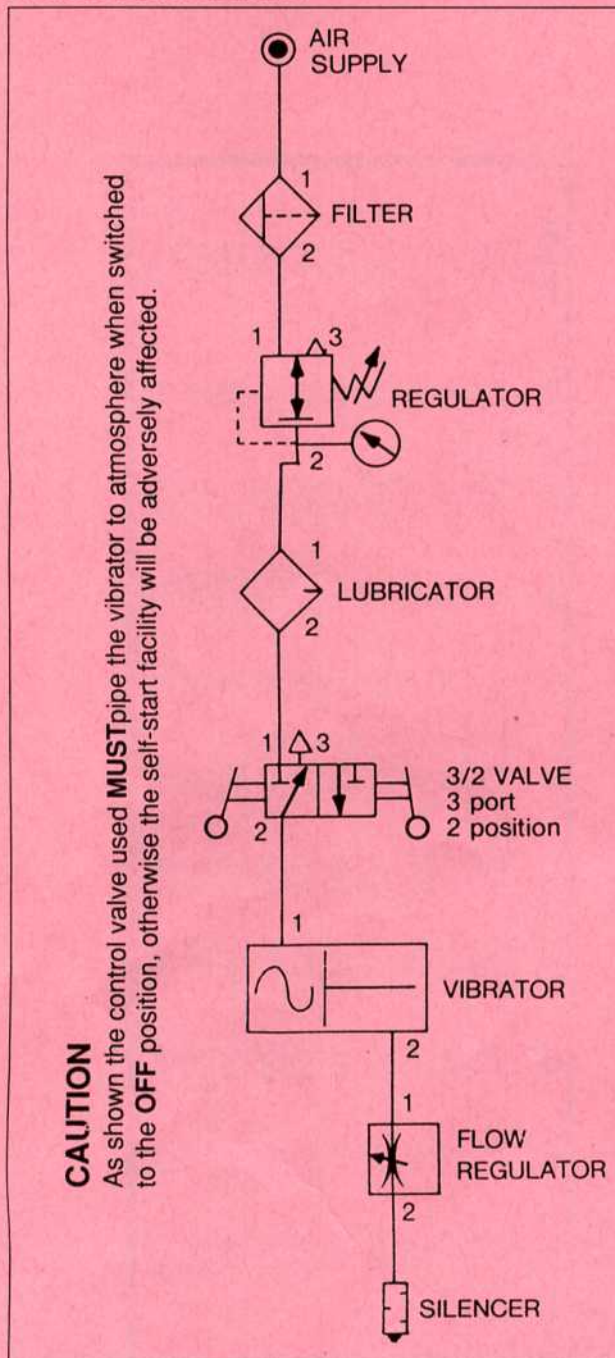


Directions for the Installation and Operation of Pulsepower Vibrators

(Linear Piston - Air Cushion Type)

PIPING ARRANGEMENT



A PULSEPOWER vibrator has only one moving part, a piston, which under air pressure oscillates in a cylinder, turning at each end of its stroke on a cushion of air. The frequency of the vibrator can be altered by varying the air inlet pressure. The amplitude can be altered by restricting the air flow from the vibrator, thus creating a back pressure inside the vibrator which affects the stroke of the piston.

IMPORTANT

PULSEPOWER vibrators are not designed to function without some form of lubrication. A light lubrication should be provided similar to the requirements of pneumatic valves. In view of the minimal clearance of the piston in its cylinder, the air supply must not contain any solid particles whatsoever. If the vibrator ceases to function, this is usually caused by the air supply becoming contaminated which fouls the cylinder, preventing the piston from oscillating. Remove the end flange, and wash the piston and cylinder in petrol or paraffin, and reassembled with light oil. Seal the cylinder to outer casing with 'Silcoset' or similar.

MOUNTING

The Vibrator may be installed in any position and will function correctly if the piping installation is as per the piping arrangement shown.

MAXIMUM AMPLITUDE OPERATION

Irrespective of the mode of mounting the vibrator, omit the flow control valve shown in the piping arrangement.

INSTALLATION

The use of taper pipe fittings with tape or liquid sealant is not recommended on inlet piping. When piping, always use the largest pipe size possible for both inlet and outlet ports.

The recommended size of pipe (inside diameter) for each BSP, GAS, or NPT port size is as follows:-

$\frac{1}{8}$ " - 8mm,	$\frac{1}{4}$ " - 8mm,	$\frac{3}{8}$ " - 10mm,
$\frac{1}{2}$ " - 12mm,	$\frac{3}{4}$ " - 15mm,	1" - 20mm.

WARRANTY

Following the reasonable assumption that any inherent defect which might prevail in a product will become apparent to the user within 90 days from the date of purchase, all equipment of our manufacture is warranted against defects in workmanship and materials under normal use and service, and we will repair or replace at our factory any equipment or part thereof which shall within 90 days after delivery to the original purchaser indicate upon examination to have been defective.

Our obligation is contingent upon proper use in accordance with factory recommendations and instructions and shall not apply to equipment which has been subject to misapplication, misuse, negligence, accident or tampering in a way so as to affect its normal performance.

PULSEPOWER

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