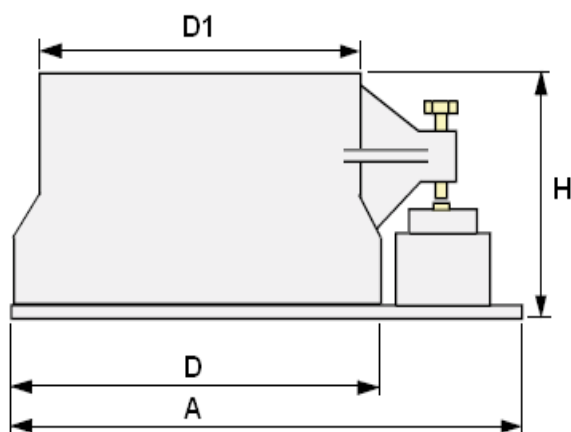


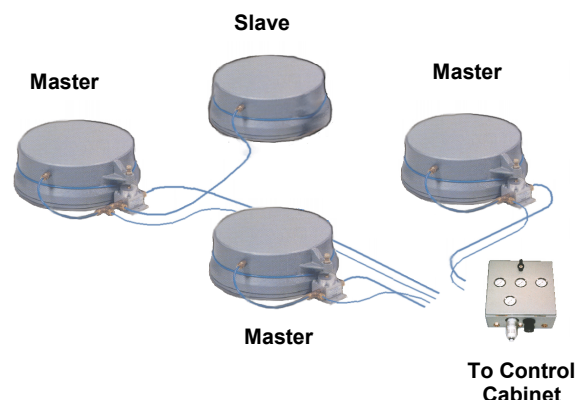
## Dimensions and Capacities:

| Part No. | Type         | Dimensions (mm) |     |            |            |     | Lifting Capacity Per Mount At Max Working Pressure Of 6.9 Bar (100 PSI) |
|----------|--------------|-----------------|-----|------------|------------|-----|-------------------------------------------------------------------------|
|          |              | D1              | D   | Deflated H | Max Lift H | A   |                                                                         |
| VS5911.  | CAL 1.0L (M) | 181             | 204 | 160        | 165        | 291 | 1.0 Tonnes                                                              |
| VS5912.  | CAL 1.0L (S) | 181             | 204 | 160        | 165        | 204 | 1.0 Tonnes                                                              |
| VS5921.  | CAL 2.5L (M) | 230             | 262 | 148        | 153        | 353 | 2.5 Tonnes                                                              |
| VS5922.  | CAL 2.5L (S) | 230             | 262 | 148        | 153        | 262 | 2.5 Tonnes                                                              |
| VS5921T  | CAL 2.5T (M) | 230             | 262 | 300        | 305        | 353 | 2.5 Tonnes                                                              |
| VS5922T  | CAL 2.5T (S) | 230             | 262 | 300        | 305        | 262 | 2.5 Tonnes                                                              |
| VS5901.  | CAL 6.0L (M) | 350             | 385 | 148        | 153        | 470 | 6.0 Tonnes                                                              |
| VS5902.  | CAL 6.0L (S) | 350             | 385 | 148        | 153        | 385 | 6.0 Tonnes                                                              |
| VS5901T  | CAL 6.0T (M) | 350             | 385 | 300        | 305        | 470 | 6.0 Tonnes                                                              |
| VS5902T  | CAL 6.0T (S) | 350             | 385 | 300        | 305        | 385 | 6.0 Tonnes                                                              |

(High lift 8mm version using Type 4 valve available for special applications).



## Typical Four Mount Arrangement:



## Operation:

The three masters in any system determine the installation height. Compressed air is fed at a controlled pressure to each master via the control valve and as the pressure builds, the equipment lifts to a height determined by the positions of the levelling screw on each master mount. Individual masters or master / slave group combinations act independently, the pressure in each master or master / slave group being determined by the mount / group positions in relation to the equipment centre of gravity.

Lift and levelling of the system is achieved by adjustment of the mount levelling screws at the three master mount locations. Should there be a failure in the air supply, pressure within the mounts will drop slowly and the equipment settles to the solid height of the mounts. When pressure is restored, the mounts automatically return the equipment to the pre-set height.

Static loads transmitted by the isolators to the foundation will depend upon the weight of the supported machine and the position of the equipment centre of gravity. Dynamic loadings will generally be negligible. Where the system is to be installed by the client, a piping circuit diagram and instructions will be provided by Vibracoustics Ltd, identifying the positions of the master and slave units.

