The **P.A.P.A.**™ is a device used to eliminate the harmful effects of positive transients generated in gravity fed systems in multi-storey buildings.

### Installation of the **P.A.P.A.**™

The **P.A.P.A.**™ is provided with a rubber connector on the base and with a separate O-ring and male thread adapter to allow greater versatility.

#### I) Installation of the **P.A.P.A.**™ with the rubber connector:

- a) ensure the rubber connector is securely fitted to the base of the **P.A.P.A.**™;
- b) push-fit the rubber connector fitted to the base of the **P.A.P.A.**™ onto a 75mm or into a 110mm pipe connection.

#### II) Installation of a Maxi-Vent™ on top of the **P.A.P.A.**™:

- a) fit O-ring to the male thread adapter;
- b) fit the male thread adapter to the base of the Maxi-Vent™ and glue into place sparingly using ABS solvent;
- c) wipe away any excess solvent to ensure this does not get into the Maxi-Vent™, as this will affect its operation;
- d) unscrew the cap on the top of the **P.A.P.A.**™;
- e) when the solvent has fully dried, screw the male thread adapter fitted to the base of the Maxi-Vent™ into the top of the **P.A.P.A.**™
III) Installation of the P.A.P.A.™ in series:

a) up to four P.A.P.A.™s may be installed in series;
b) ensure the rubber connector is securely fitted to the base of the bottom-most P.A.P.A.™;
c) push-fit the rubber connector fitted to the base of this P.A.P.A.™ onto a 75mm or into a 110mm pipe connection;
d) unscrew the cap on the top of this P.A.P.A.™
e) remove the rubber connector fitted to the base of the next P.A.P.A.™ to be installed;
f) fit O-ring to the male thread adapter;
g) fit the male thread adapter to the base of this P.A.P.A.™ and glue into place sparingly using ABS solvent;
h) wipe away any excess solvent;
i) when the solvent has fully dried, screw the male thread adapter fitted to the base of this P.A.P.A.™ into the top of the bottom-most P.A.P.A.™;
j) repeat steps d) to i) up to a MAXIMUM of four P.A.P.A.™s;
k) ensure the cap of the top P.A.P.A.™ is securely screwed in, or replace with a Maxi-Vent™ as described in II) overleaf.

IV) Installation of the P.A.P.A.™ horizontally:

a) when a Maxi-Vent™ is NOT used the P.A.P.A.™ may be installed horizontally;
ensure the rubber connector is securely fitted to the base of the P.A.P.A.™;
b) push-fit the rubber connector fitted to the base of the P.A.P.A.™ onto a 75mm or c) into a 110mm "T" pipe connection into the stack using a 45 degree "T" joint on the stack and a 45 degree bend to place the P.A.P.A.™ into a horizontal position - this prevents water penetrating the unit.

For extra security it is recommended that the P.A.P.A.™ is secured to an adjacent pipe or support strut using a pipe clip or clamp.