

## Air Admittance Valves (AAV's) Plumbing Solutions – edition 6

**Air Admittance Valves (AAV's) to be installed must be of an approved type and comply with product standard AS/NZS 4936. AAV's may come as a single unit or be formed as an integral part of a fixture trap.**

### Location

AAV'S must be located so that:

- they are accessible for service and replacement
- adequate air can enter the valve
- when installed within a wall space ventilation openings are provided
- when installed in a ceiling space the AAV should be 150mm above the ceiling to clear any insulation.

### Installation

When installing AAV's the valve shall be:

- connected in accordance with the manufacturer's instructions
- no more than 1000mm below the fixture flood level of the fixture it is connected to
- installed within 5% of a vertical position
- installed in areas where the ambient temperature or water discharge may vary between 0°C and 60°C
- connected to a fixture discharge pipe for a trap vent (Fig 1 on the reverse side of this page) or a fixture discharge pipe or common discharge pipe for a group vent (Fig 2 on the reverse side of this page) or to a discharge stack as a stack vent (Fig 3 on the reverse side of this page)
- protected from insect attack, ultra violet rays and mechanical damage
- only installed as a stack vent where the stack extends through less than 10 floor levels.

### Restrictions

AAV's must only be used on sanitary plumbing systems that have at least one open air vent on the drain.

### Permitted use

AAV's are permitted:

- as a trap vent in:
  - the fully vented system of plumbing
  - the single stack system of plumbing
- as a group vent in:
  - the fully vented modified system of plumbing
  - as a stack vent in any system of plumbing
  - as a branch drain vent.

If you have any questions about Air Admittance Valves or the AS/NZS3500 Plumbing and Drainage Standard, please contact:

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Alternatively, if you would like additional copies of this or other issues of Plumbing Solutions, please contact Brenton Jenner on (08) 7424 1360 or email [plumbooking@sawater.com.au](mailto:plumbooking@sawater.com.au)

We welcome your feedback. If you have any comments about Plumbing Solutions, or would like to suggest a topic for a future edition please send us an email at [plumbooking@sawater.com.au](mailto:plumbooking@sawater.com.au).

*Information sourced from the Plumbing and Drainage Standard AS/NZS3500*

**Further information**  
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FIG (1) AS A TRAP VENT

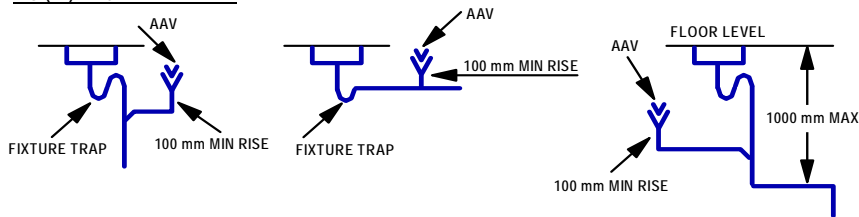


FIG (2) AS A GROUP VENT

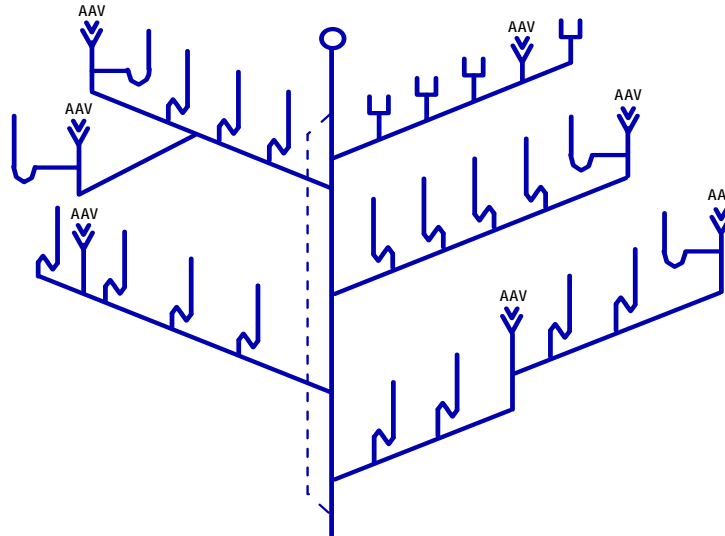
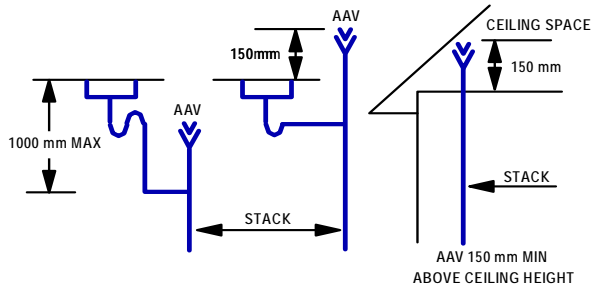


FIG (3) AS A STACK VENT



Information sourced from the Plumbing and Drainage Standard AS/NZS3500