



## AIR ADMITTANCE VALVES TECHNICAL SPECIFICATION

|                      |                  |
|----------------------|------------------|
| Job Name _____       | Item # _____     |
| Location _____       |                  |
| Engineer _____       | Contractor _____ |
| PO # _____           | Tag _____        |
| Representative _____ |                  |

### SPECIFICATIONS

The purpose of an Air Admittance Valve is to provide a method of allowing air to enter the plumbing drainage system without the use of a vent extended to open air and to prevent sewer gases from escaping into a building. An Air Admittance Valve is a one way valve designed to allow air to enter the plumbing drainage system when negative pressures develop in the piping system. The device shall close by gravity and seal the vent terminal at zero differential pressure (no flow conditions) and under positive internal pressures.

### APPROVALS & LISTINGS

ASSE 1050 & 1051

ICC ESR-1664

NSF Standard 14

IAPMO – Classified Mark

ASTM D 2665/D 2661

International Plumbing Code (IPC) 2003

International Residential Code (IRC) 2003



### FEATURES & MATERIALS

|                  |                                                                                                              |
|------------------|--------------------------------------------------------------------------------------------------------------|
| Tension Membrane | Silicone                                                                                                     |
| Sweet Spot™      | Sweet Spot™ technology opens at -0.01 psi and seals at 0 psi and above                                       |
| Screening        | Screening on air inlets to guard the seal                                                                    |
| Grip             | Protective sleeve provides grip for installation and keeps valve free from debris                            |
| Tested           | 100% functionally tested at 1/4" H <sub>2</sub> O and 30" H <sub>2</sub> O ensuring trouble free performance |
| Warranty         | Limited Warranty                                                                                             |

### INSTALLATION

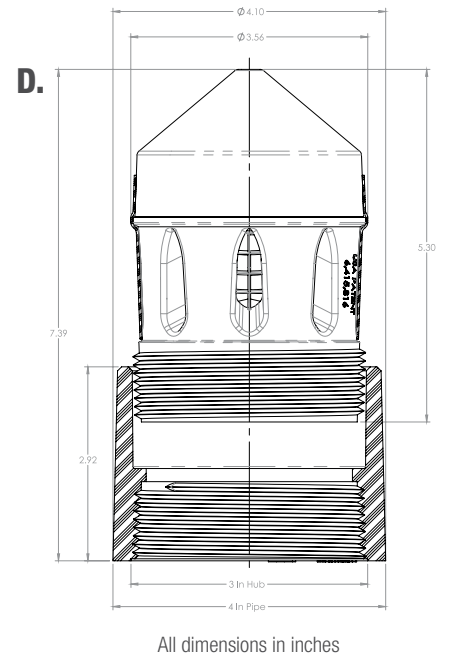
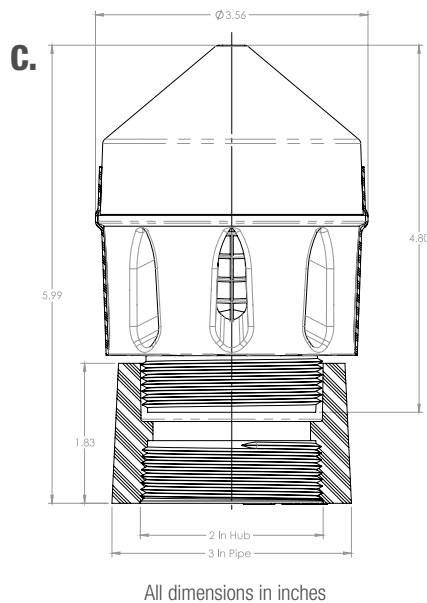
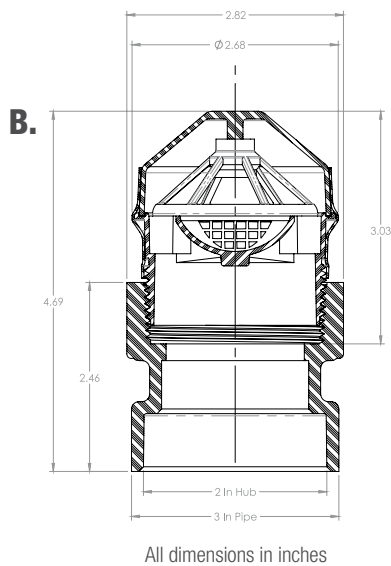
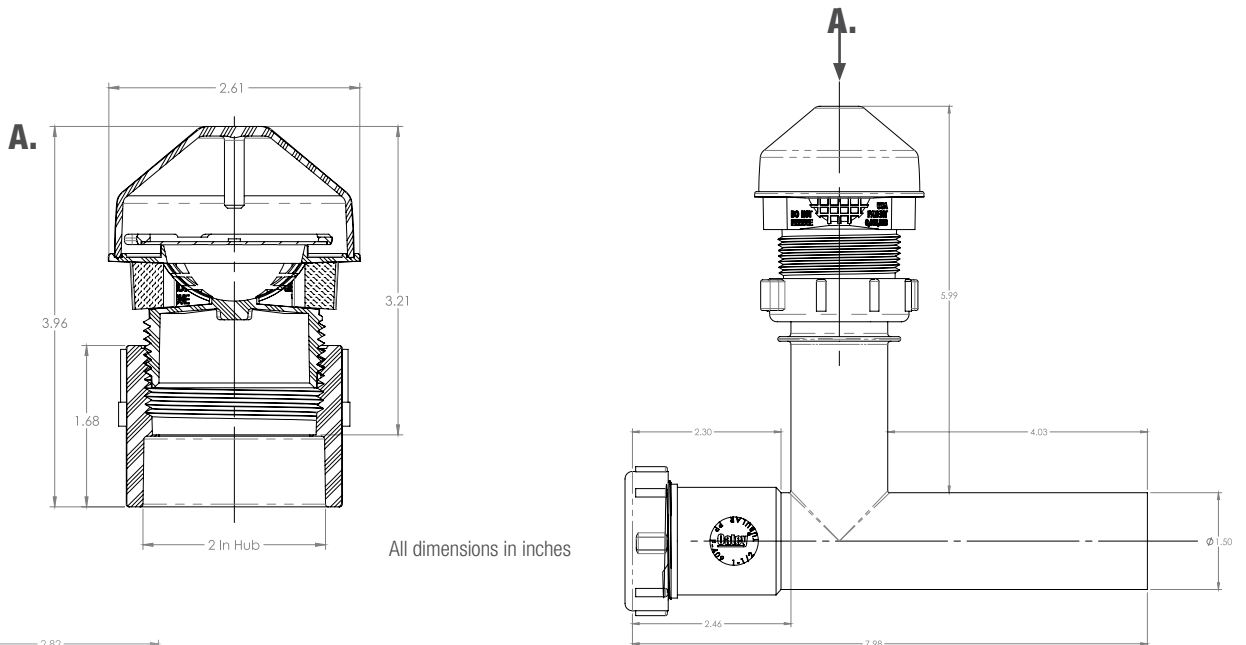
Read installation instructions prior to use of this product. Always consult local plumbing codes prior to installing an AAV. Individual, branch and circuit vents are permitted to terminate with a connection to a Sure-Vent® AAV. The Sure-Vent® AAV will only vent fixtures that are on the same floor and connect to a horizontal branch drain. The horizontal branch drain shall connect to the drainage stack a maximum of four branch intervals from the top of the stack. The Sure-Vent® AAV should be located within the maximum developed length permitted for the vent. The Sure-Vent® AAV must be located a minimum of 4 inches above the horizontal branch drain and 6 inches above any insulation material and within 15 degrees of vertical. Every structure in which plumbing is installed shall have at least one primary stack vent. The stack vent should run as directly as possible from the building drain through to the open air.

Apply approved pipe joint compound or thread seal tape to the male threads of the valve. Remove protective sleeve after installation.

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|   | DFU Rating            | Connection           | Membrane | Adapter              |
|---|-----------------------|----------------------|----------|----------------------|
| A | 20 Branch, 8 Stack    | 1.5" PVC NPT Threads | Silicone | 1.5" PVC             |
| B | 160 Branch, 24 Stack  | 2" PVC NPT Threads   | Silicone | 1.5" x 2" PVC or ABS |
| C | 160 Branch, 72 Stack  | 2" PVC NPT Threads   | Silicone | 2" x 3" PVC or ABS   |
| D | 160 Branch, 500 Stack | 3" PVC NPT Threads   | Silicone | 3" x 4" PVC or ABS   |





## AIR ADMITTANCE VALVES TECHNICAL SPECIFICATION

### PRODUCT SELECTOR

#### 20 BRANCH, 8 STACK DFU SURE-VENT AIR ADMITTANCE VALVE WITH SCHEDULE 40 ADAPTER

| ✓ | Product Number | Description                                                             | Pack |
|---|----------------|-------------------------------------------------------------------------|------|
|   | 39228          | 20 BRANCH, 8 STACK DFU SURE-VENT, 1.5 IN, W/PVC SCHED 40 ADAPTER        | 6    |
|   | 39229          | 20 BRANCH, 8 STACK DFU SURE-VENT, 1.5 IN, W/ABS SCHED 40 ADAPTER        | 6    |
|   | 39005          | 20 BRANCH, 8 STACK DFU SURE-VENT, 1.5 IN PVC SCHED 40 ADAPTER           | 50   |
|   | 39227          | 20 BRANCH, 8 STACK DFU SURE-VENT, 1.5 IN W/ABS SCHED 40 ADAPTER         | 6    |
|   | 39250          | 20 BRANCH, 8 STACK DFU SURE-VENT, 1.5 IN, 90 DEG PVC SCHED 40 ADAPTER   | 50   |
|   | 39251          | 20 BRANCH, 8 STACK DFU SURE-VENT, 1.5 IN, 90 DEG ABS SCHED 40 ADAPTER   | 6    |
|   | 39252          | 20 BRANCH, 8 STACK DFU SURE-VENT, 1.5 IN, 90 DEG PVC SCHED 40 ADAPTER   | 6    |
|   | 39253          | 20 BRANCH, 8 STACK DFU SURE-VENT, 1.5 IN, W/90 DEG ABS SCHED 40 ADAPTER | 6    |
|   | 39254          | 20 BRANCH, 8 STACK DFU SURE-VENT, 1.5 IN, STRAIGHT PVC SCHED 40 ADAPTER | 50   |
|   | 39256          | 20 BRANCH, 8 STACK DFU SURE-VENT, 1.5 IN, STRAIGHT ABS SCHED 40 ADAPTER | 50   |
|   | 39255          | 20 BRANCH, 8 STACK DFU SURE-VENT, 1.5 IN, STRAIGHT PVC SCHED 40 ADAPTER | 6    |
|   | 39020          | 20 BRANCH, 8 STACK DFU SURE-VENT, 1.5 IN, NO ADAPTER                    | 50   |

#### 20 BRANCH, 8 STACK DFU SURE-VENT AIR ADMITTANCE VALVE WITH TUBULAR ADAPTER

| ✓ | Product Number | Description                                                                   | Pack |
|---|----------------|-------------------------------------------------------------------------------|------|
|   | 39225          | 20 BRANCH, 8 STACK DFU SURE-VENT, 1.5 IN WHITE TUBULAR ADAPTER                | 6    |
|   | 39226          | 20 BRANCH, 8 STACK DFU SURE-VENT, 1.5 IN BLACK TUBULAR ADAPTER                | 6    |
|   | 39239          | 20 BRANCH, 8 STACK DFU SURE-VENT, 1.5 IN, INSTALLATION PACK W/TUBULAR ADAPTER | 6    |
|   | 39020          | 20 BRANCH, 8 STACK DFU SURE-VENT, 1.5 IN, NO ADAPTER                          | 50   |
|   | 392393         | 20 BRANCH, 8 STACK DFU SURE-VENT, 1.5 IN, INSTALLATION PACK- 3 PACK           | 6    |
|   | 39245          | 20 BRANCH, 8 STACK DFU SURE-VENT, 1.5 IN, TRAP PACK                           | 20   |

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## AIR ADMITTANCE VALVES TECHNICAL SPECIFICATION

### PRODUCT SELECTOR

| 160 BRANCH, 24 STACK DFU SURE-VENT AIR ADMITTANCE VALVE WITH SCHEDULE 40 ADAPTER  |                |                                                                     |      |
|-----------------------------------------------------------------------------------|----------------|---------------------------------------------------------------------|------|
| ✓                                                                                 | Product Number | Description                                                         | Pack |
|                                                                                   | 39016          | 160 BRANCH, 24 STACK DFU SURE-VENT, 1.5 X 2 IN PVC SCHED 40 ADAPTER | 6    |
|                                                                                   | 39018          | 160 BRANCH, 24 STACK DFU SURE-VENT, 1.5 X 2 IN ABS SCHED 40 ADAPTER | 6    |
|                                                                                   | 39017          | 160 BRANCH, 24 STACK DFU SURE-VENT, 1.5 X 2 IN PVC SCHED 40 ADAPTER | 50   |
|                                                                                   | 39019          | 160 BRANCH, 24 STACK DFU SURE-VENT, 1.5 X 2 IN ABS SCHED 40 ADAPTER | 50   |
|                                                                                   | 39238          | 160 BRANCH, 24 STACK DFU SURE-VENT, 1.5 IN W/MECHANICAL ADAPTER     | 12   |
|                                                                                   | 39018C         | 160 BRANCH, 24 STACK DFU SURE-VENT, 1.5-2 IN ABS CANADA             | 6    |
| 160 BRANCH, 72 STACK DFU SURE-VENT AIR ADMITTANCE VALVE WITH SCHEDULE 40 ADAPTER  |                |                                                                     |      |
| ✓                                                                                 | Product Number | Description                                                         | Pack |
|                                                                                   | 39220          | 160 BRANCH, 72 STACK DFU SURE-VENT, 2 X 3 IN PVC SCHED 40 ADAPTER   | 6    |
|                                                                                   | 39221          | 160 BRANCH, 72 STACK DFU SURE-VENT, 2 X 3 IN ABS SCHED 40 ADAPTER   | 6    |
| 160 BRANCH, 500 STACK DFU SURE-VENT AIR ADMITTANCE VALVE WITH SCHEDULE 40 ADAPTER |                |                                                                     |      |
| ✓                                                                                 | Product Number | Description                                                         | Pack |
|                                                                                   | 39223          | 160 BRANCH, 500 STACK DFU SURE-VENT, 3 X 4 IN PVC SCHED 40 ADAPTER  | 6    |
|                                                                                   | 39224          | 160 BRANCH, 500 STACK DFU SURE-VENT, 3 X 4 IN ABS SCHED 40 ADAPTER  | 6    |

Data is subject to manufacturing tolerances.

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