SERVICES & SUPPORT

System Design

- Studor® assists engineers and architects with the design of Studor systems that best fit the project
- Studor assists builders to ensure they are receiving the best Studor designed system
- Studor works with plumbing contractors on design/build projects to ensure properly designed Studor system
- Studor offers these services at no charge

Technical Support

- Studor assists in solving issues with conventional plumbing systems as well as other existing drain waste and vent (DWV) systems throughout the world

Training

- Studor trains contractors to ensure a properly installed Studor systems
- Studor trains building Officials and Plumbing Inspectors
- Studor trains engineers to ensure properly designed Studor system

Approvals

- International Plumbing Code (IPC) - section 917
- International Residential Code (IRC) - section T3114
- Uniform Plumbing Code (UPC) - section 301.2 Alternative Materials and Methods
- National Standard Plumbing Code (NSPC) - Appendix “E” - Special Design System
- National Plumbing Code Canada

Performance Standards

- ASSE 1050 - Stack type AAVs
- ASSE 1051 - Single fixture and branch type AAVs
- NSF Standard 14 (plastic components)

Listings

- ASSE Seal of Approval
- IAMPO - Classified Marking file No. C-3803
- ICC-ES PMG-1025
- NSF International (NSF standard 14)
- Warnock Hersey (ITS-Intertek Testing Services)
- Underwriters Laboratories (UL) - R20814

Note: *Listings are subject to change without notice. Please verify specifications with manufacturer and local code officials before installing.*

STUDOR®
IPS CORPORATION
InVENTive TECHNOLOGY®

The Right Valve
For the Right Job

500 Distribution Parkway, Collierville, TN 38017
1-800-888-8312 FAX: 901-853-5008
E-Mail: watertite@ipscorp.com ipscorp.com

ASSE 1050
ASSE 1051
NSF dwv C US
C IAPMO TM
ICC ES PMG
PMG-1025
C HH US Intertek
CLASSIFIED UL

STUDOR®
IPS CORPORATION

Studor® Air Admittance Valves

Not all Valves are Created Equally.
It’s Not a Studor Valve Unless it Says So!

IPS CORPORATION

STUDOR®
IPS CORPORATION

"Not all valves are created equal"

In 1970 AAV technology was developed in Europe by Studor's founder, Sture Ericson. In 1986, the revolutionary Studor product is introduced in the United States. Today, Studor remains the world's only specialized AAV manufacturer with millions of valves successfully installed in North America and around the world.

STUDOR TECHNOLOGY

- Several other brands of valves are available on the market today, but there is only one original Studor—"It's not a Studor® valve unless it Says So"
- Studor has over 30 years of proven quality and technology
- Only Studor features both inside and outside screens to protect the seal & seat from insects, debris or foreign objects
- Only Studor offers products specifically designed for commercial and industrial applications
- Only Studor offers innovative positive pressure transient protection technology for commercial buildings
- Studor also offers accessories for extra protection against extreme temperature conditions

THE STUDOR ADVANTAGE

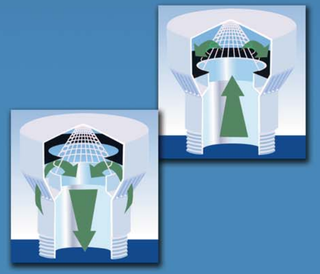
- Reduces the number of roof penetrations
- Reduces the possibility of water leaks around roof flashings
- Reduces structural damage caused by holes drilled through joists & studs used to install open vent piping
- Minimizes floor penetrations and fire stopping devices
- Helps reduce potential mold issues and liabilities
- Reduces vent pipes interfering with the roof finish & appearance
- Increases contractor's productivity
- Eliminates design restrictions

HOW DOES IT WORK?

Studor AAVs are designed to open when negative pressure occurs from plumbing fixtures discharging, allowing air into the system and preventing siphonage of the trap seal. It is designed to close by gravity when there is no flow into the system, which prevents the escape of sewer gas into the building.

Ultimate Function:

To prevent the fixture trap-seal from siphonage



STUDOR AIR ADMITTANCE VALVES - DRAIN FIXTURE UNITS (DFU) CHARTS

Maxi-Vent®

Horizontal Branch Size	Maximum DFUs
3"	20
4"	160
Stack Size	**Max DFUs**
3"	72
4"	500

Mini-Vent®

Horizontal Branch Size	Maximum DFUs
1¼"	3
2"	6
3"	20
4"	160
Stack Size	**Max DFUs**
1¼"	8
2"	24

Tec-Vent®

Horizontal Branch Size	Maximum DFUs
1¼"	3
2"	6
3"	20
4"	160
Stack Size	**Max DFUs**
1¼"	8
2"	24

Redi-Vent®

Horizontal Branch Size	Maximum DFUs
1¼"	3
2"	6
3"	20
4"	20
Stack Size	**Max DFUs**
1¼"	8
2"	24

Chem-Vent®

Horizontal Branch Size	Maximum DFUs
1¼"	3
2"	6

Note: Limited lifetime warranty on all Studor® products

PRODUCTS

Maxi-Vent®
- Residential and commercial use
- Fits 3" or 4" pipe size
- Protective screens inside & outside
- Listed to ASSE 1051, ASSE 1050, NSF 14 Standards, Warnock Hersey, IAPMO, ICC-ES, PMG-1025

Mini-Vent®
- Residential and commercial use
- Fits 1½" or 2" pipe size
- Protective screens inside & outside
- Listed to ASSE 1051, ASSE 1050, NSF 14 Standards, Warnock Hersey, IAPMO, ICC-ES, PMG-1025

Redi-Vent®
- Residential and commercial use
- Fits 1½" or 2" pipe size
- For venting single fixtures, kitchen sinks and bathroom groups including back to back applications up to 20 DFU
- Protective screens inside and out
- Listed to ASSE 1051, ASSE 1050, NSF 14 Standards, Warnock Hersey, IAPMO, ICC-ES, PMG-1025

Tec-Vent®
- Residential and commercial use
- Fits 1½" pipe size
- Protective screens inside & outside
- UV rated
- Flame Retardant
- Meets UL standard for "discrete products" used in the supply & return air plenum
- Listed to ASSE 1051, ASSE 1050, NSF 14 Standards, Warnock Hersey, IAPMO, ICC-ES, PMG-1025

Recessed Box & Grille
- The Studor Multi-purpose recessed box can be used with a Mini-Vent, Redi-Vent, or Tec-Vent
- Listed to IAPMO and ICC-ES

Maxi-Cap®
- Specially designed to protect the Maxi-Vent from damaging UV rays and temperature extremes
- To be installed outdoors

Maxi-Filtra™
- Maxi-Filtra is a two-way vent, which filters air in both directions
- Replaceable active carbon filter is designed to eliminate bad odors
- Outdoor use only, particularly for use on septic systems and open vent pipes to eliminate sewer gas odors

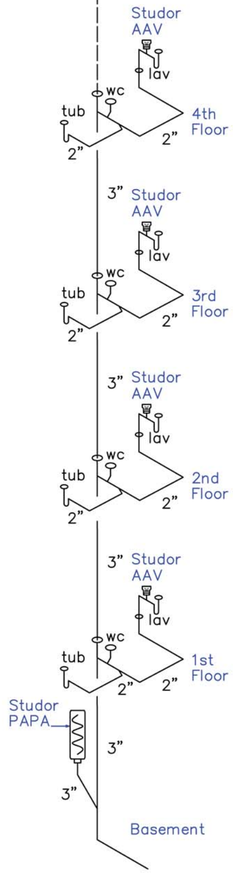
P.A.P.A.
(Positive Air Pressure Attenuator)
- Complete stack protection against positive pressure transients
- Eliminates the need for relief vent piping
- Greatly simplifies drainage ventilation
- Listed to ASSE 1030

Chem-Vent®
- Commercial use
- For use on chemical waste systems
- High temp FR material (up to 212F)
- Direct mount on any MJ or Electrofusion FRPP fittings
- Listed ASSE 1049 and NSF 14 Standards

Fire Rated Recessed Box
Recessed Box & Grille
- 1 and 2 hour rated box
- Warnock Hersey certified
- Can be used with a Mini-Vent, Redi-Vent, or Tec-Vent

INSTALLATIONS

One Vent Required
- Within each plumbing system, a minimum of one stack vent or vent stack shall extend outdoors to the open air.

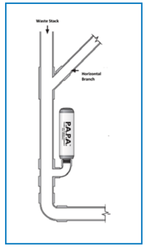


Attic installation
- When a Studor® valve is installed in an attic, it must be installed a minimum of 6" above insulation.

Valve installation
- The Studor valve must be installed a minimum of 4" above the horizontal branch the horizontal branch drain or fixture drain being vented.
- Studor AAVs must be installed within 15 degrees of the vertical position.
- Studor valves can be installed below the flood rim level of the fixture.

Valve Accessibility
- Access shall be provided to all air admittance valves.

Washer Box Installation
- Studor valves can be installed in a dual drain washer box.
- The specially designed adaptor assures a leak proof connection.



P. A.P.A.™ Installation
- The P.A.P.A. valve is connected to a fitting, branching off the vertical stack and can be designed into a plumbing system to absorb positive transients within the system.

Note: *All valves must be installed according to the manufacturer's instructions: Listings are subject to change without notice. Please verify specification with manufacturer and local codes officials before installing.*