

# The **STUDOR**<sup>®</sup> System

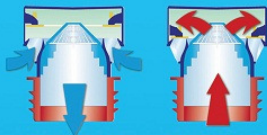
## Advanced Drainage Ventilation System

It works in the event of back pressure in the system to prevent the backflow of water and protect the drainage system from the pressure of the water.

It works in order to limit pressure work.



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OPEN

CLOSED

**STUDOR<sup>®</sup> P.A.P.A.™**  
Negates the need for relief venting  
in multi-storey buildings



**STUDOR<sup>®</sup> MINI-VENT™**  
AAV for single fixture and  
group venting



**STUDOR<sup>®</sup> MAXI-VENT™**  
AAV for stack venting



**STUDOR<sup>®</sup> COMBI-SIPHON™**  
Combined trap and AAV ideal  
for group venting



**STUDOR<sup>®</sup> TRAP-VENT™**  
Intelligent combined trap and AAV  
for group venting

# Advanced Drainage Ventilation System

**STUDOR® P.A.P.A.™**  
Positive Air Pressure Attenuator



**STUDOR® AAVs**  
Air Admittance Valves

The proven design of the **STUDOR® System** provides the complete solution for venting the building's drainage system - eliminating drainage pressure problems and making substantial savings by reducing labour and material costs.

The **STUDOR® P.A.P.A.™** (Positive Air Pressure Attenuator) protects multi-storey buildings from positive pressure that moves back up the drainage system at the speed of sound. Positive pressure is also known as back pressure. This pressure affects water trap seals in the system by bubbling through the trap seal or causing movement of the trap seals so they self-siphon and no longer provide a protective barrier between the drainage system and the living space.

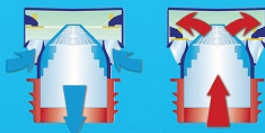
The **P.A.P.A.™** eliminates the positive pressure within itself and protects the drainage system from the harmful effects of this pressure.



The **Air Admittance Valves (AAVs)** allow air to enter the system but do not allow foul air to escape, in order to limit pressure fluctuations within the sanitary pipework.



- ✓ **Saves space.**
- ✓ **Saves money in labour and material costs.**
- ✓ **Saves installation time.**
- ✓ Eliminates drainage pressure problems.
- ✓ Eliminates roof penetrations.
- ✓ Products have a lifetime warranty.
- ✓ Improves performance of the drainage system (versus conventional systems).
- ✓ Prevents transmission of smells into the living space.
- ✓ Protects the water trap seals.
- ✓ Provides air at the "Point of Need".
- ✓ Provides complete protection to the drainage system.
- ✓ Provides greater freedom of design.
- ✓ Reduces materials requirements, replacing extensive vent piping.
- ✓ Reduces the risk of diseases and germs being transmitted through the drainage system.
- ✓ Requires no maintenance.
- ✓ Requires no specialist installation.
- ✓ Suitable for all types of commercial and residential buildings, including villas and high rise.
- ✓ Suitable for all drainage systems, including single and double stack.



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Negates the need for relief venting in multi-storey buildings



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AAV for single fixture and group venting



**STUDOR® MAXI-VENT™**  
AAV for stack venting

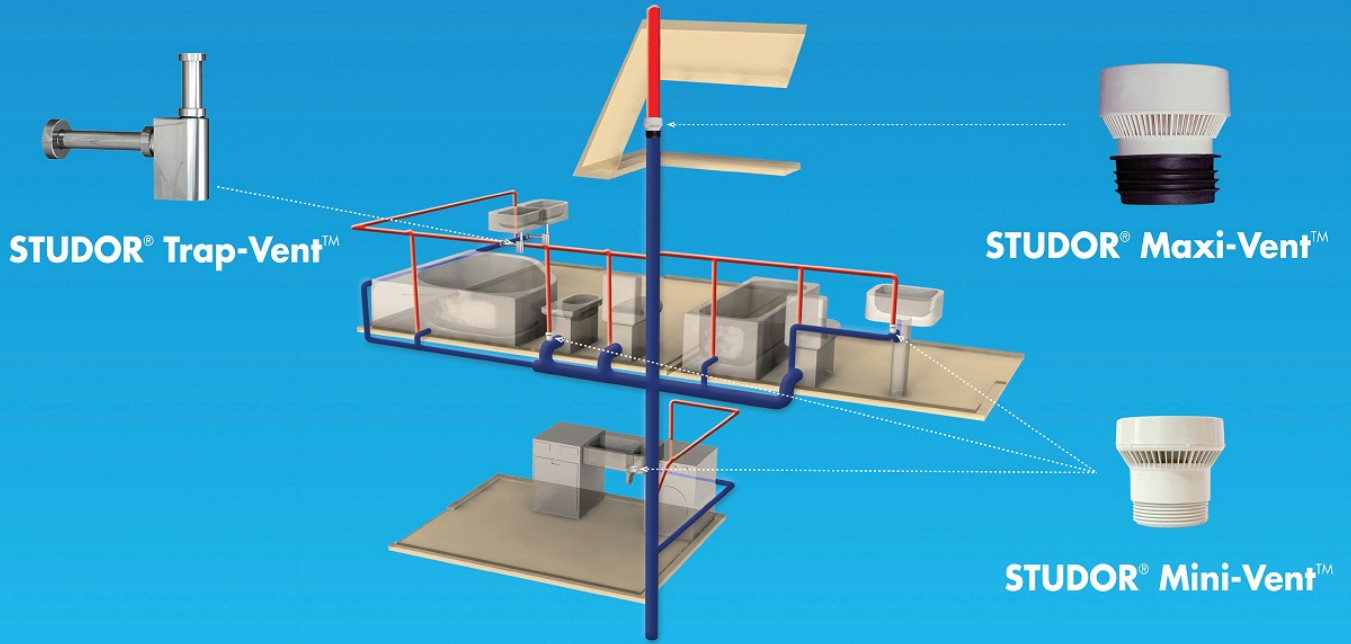


**STUDOR® COMBI-SIPHON™** *Plus*  
Combined trap and AAV ideal for group venting



**STUDOR® TRAP-VENT™**  
Intelligent combined trap and AAV for group venting

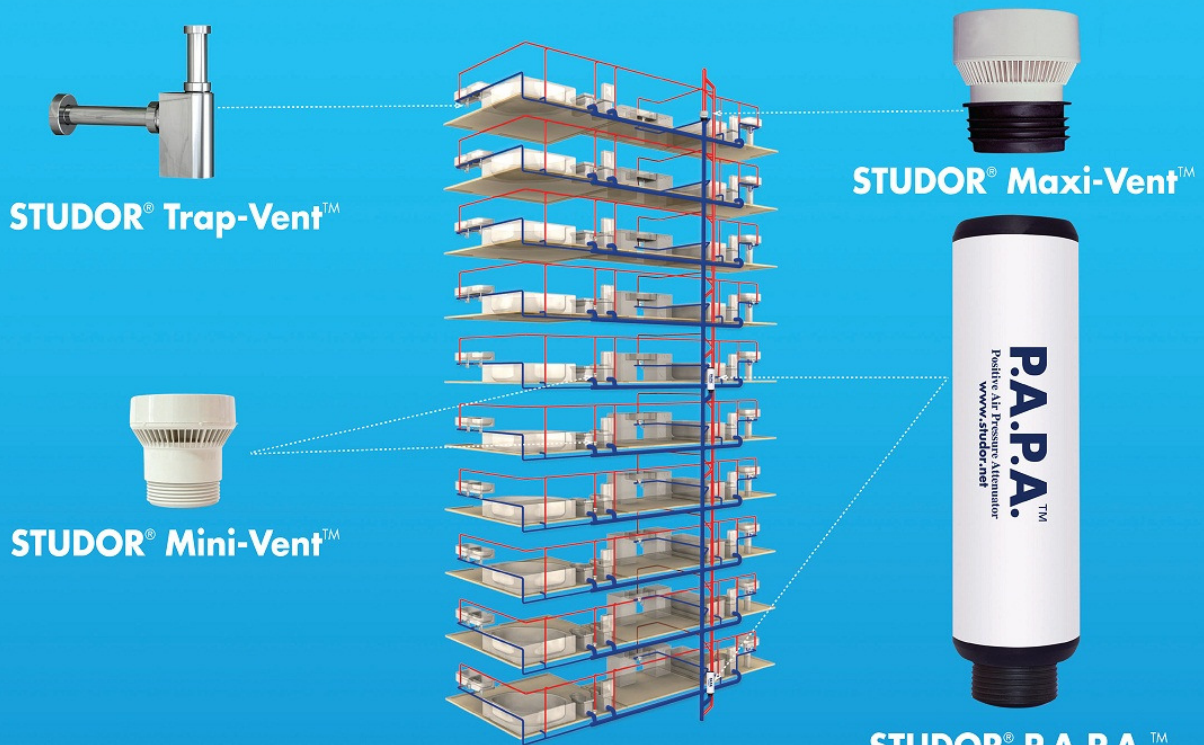
# The STUDOR® System in a residential building



 Conventional System Venting

 **STUDOR®** System Venting

# The STUDOR® System in a 10+ storey building



**STUDOR® P.A.P.A.™**

# The STUDOR® Projects



**Beijing National Stadium,**  
the "Bird's Nest", Beijing, China



**D1 Tower,**  
Dubai, UAE



**Trump Ocean Club,**  
Panama City, Panama



**Convention Center Hyatt Hotel,**  
Denver, USA



**New Bangkok International Airport,**  
Bangkok, Thailand



**The O2,**  
London, UK



**Ferrari World,**  
Abu Dhabi, UAE



**Danet Holiday Inn,**  
Abu Dhabi, UAE



**Sydney Opera House,**  
Sydney, Australia



**Hospital de Vallecas,**  
Madrid, Spain



**The Eureka Tower,**  
Melbourne, Australia



**The Citadel,**  
Manchester, UK



**Selenza Hotel,**  
Costa del Sol, Spain



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