HEPvO® - SELF SEALING WATERLESS TRAP
Product manual

The hygienic alternative to a p-trap
HepvO - The waterless trap that won’t leave you high and dry.
The world’s best selling waterless trap.

The perfect drainage solution for high-rise properties

HepvO is a unique self-sealing waste valve that prevents the escape of foul sewer air from waste discharge systems, and actively maintains the pressure equilibrium in soil and waste installations, which makes it perfect for high-rise buildings. As a dry sealing valve, HepvO utilises a purpose designed membrane to create an airtight seal between the living space and the drainage system. The self-sealing valve opens under the water pressure of an appliance emptying, and closes to form a tight seal after the appliance has discharged under normal atmospheric conditions.

For over 25 years, HepvO has successfully offered considerable benefits for the system designer. In addition, the HepvO hygienic self-sealing waste valve offers a number of benefits for professional installers and end users.

HepvO actively eliminates negative pressure within the waste system by opening and allowing in fresh air until a state of equilibrium with atmosphere is reached. It subsequently closes to reseal the waste system and prevent foul air release. This means that the venting of the waste system in high-rise buildings, or the inclusion of an air admittance valve in the waste system, is no longer necessary.
- The HepO valve results in enhanced plumbing design and system efficiency.
- Unlike water seal traps, HepO is not affected by siphonage and will therefore not allow the escape of foul air into the living space from drain or sewer.
- HepO allows discharge water to pass easily through, regardless of the volume.
- HepO allows the placement of a greater number of appliances together on fewer discharge pipes without compromising the performance of the sanitary discharge system.
- HepO operates silently and is not subject to “gurgling” noises typically associated with siphonage and indicative of a breech in the water seal barrier.
- Independent tests confirm that HepO performs silently when subjected to a range of abnormal pressures.

**Elastomatic membrane prevents foul sewer air from entering the building.**

**Connects to 1¼" and 1½" BSP thread.**

**Ideal for installation in confined areas and can be installed either horizontally or vertically.**

**Smooth bore prevents blockages and risk of stagnating solids.**

HepO can be installed either vertically or horizontally.

HepO is Ideal for installation in confined areas.

HepO can be installed horizontally by using the 90° adaptor.
HepvO - Self-sealing waterless trap

The hygienic alternative to a p-trap

HepvO provides permanent protection from foul, unhealthy sewer gas which can carry viral pathogens into the living space.

The primary purpose of a trap is to protect public health by blocking noxious sewer gas from the living space of buildings. When a p-trap loses its water seal that protection is also lost. At best this leads to unpleasant odour and increased maintenance. At worst it can be a threat to human health.

The HepvO valve promotes hygiene, particular where an appliance is infrequently used. HepvO differs from conventional water traps, which could dry out or hold stagnant water, causing the emission of foul smells and enhance bacterial growth. HepvO has been extensively tested and is resistant to common chemicals such as cleaners and detergents containing sodium hydroxide and solvents.

For branch pipe ventilation

HepvO can act as an air admittance valve, allowing air into the drainage system when negative pressure occurs. Once equilibrium is reached the valve closes. Using the valve as an air admittance tool provides cost savings, as it eliminates the need for a traditional open vent pipe or an air admittance valve to be positioned on the stack in certain circumstances; simplifies system design, providing space and time saving benefits.

The use of HepvO, as it provides ventilation, can give more flexibility in pipe sizing, allowing the pipe run to be extended to 3m without needing to increase pipe size from 32mm.

For non-domestic situations, the use of multiple HepvO valves allows for simpler systems with less pipework & straight runs.

On completion of the installation, there is no need to perform self-siphonage and induced siphonage tests for branch discharge pipes from waste appliances.

Water held in conventional traps can become stagnant (Residues in the water trap can be fermented and produce odours and unhealthy air)

Suspended matter in water eg. soap scum/grease/saliva/etc.

Solid matter eg. decomposing food particles/hair strands/skin flakes/nail clippings etc.