

BV1B/UB - 1 1/2"

Hep_vO Sanitary Waste Valve

Hep_vO is a self-sealing valve designed to close the waste connection below a sanitary fixture to prevent the escape of foul sewer air into the dwelling.

Hep_vO unlike conventional waste traps, does not rely on trapped water to create a seal. Instead, Hep_vO uses a self-sealing membrane which performs the same function as a water seal trap but without the risk of evaporation, siphonage, or cracking under freezing conditions.

The Hep_vO valve means enhanced plumbing design and system efficiency, without compromising performance or risking the escape of foul air into the living space from the drain or sewer.

TYPICAL APPLICATIONS

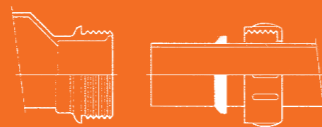
- ⊙ Lavatories
- ⊙ Bath Tubs
- ⊙ Sink
- ⊙ Bidet
- ⊙ Washing Machine
- ⊙ Garbage Disposal (vertical only)
- ⊙ Overflow
- ⊙ Dishwasher
- ⊙ Shower



Hep_vO fully meets the requirements of ASME A112.18.8 - as an alternate to a tubular P-trap.

INLET/OUTLET CONNECTION (Fig 1)

Slip-nut and sealing cone on tube end ready for insertion of tube into compression socket.



INSTALLATION INSTRUCTIONS

1. Cut the tube to length, allowing for the full compression socket depth, (preferably using an appropriate tube cutter).
2. If using plastic tube, remove any loose material from the inside and the outside of the end of the tube. If using metallic tube, remove any burrs or sharp edges from the inside or the outside of the tube and file if necessary. Mark the socket depth on the tube, and check that the tube section to be joined is free of any damage which may affect the joint seal.
3. Unscrew the slip-nut from the Hep_vO outlet/inlet adaptor and slide the slip-nut, slip washer and rubber seal onto the tube (Fig 1).
4. Insert the tube end fully into the socket.
5. Slide the rubber seal, slip washer and screw slip-nut up against the face of the socket and tighten the slip-nut by hand, (check that the slip-nut is square to the body and does not 'cross-thread'), hand tight should be adequate to form a proper seal.
6. If making an outlet connection to Schedule 40 ABS pipe, remove the slip joint components and use the male outlet thread in combination with a female adaptor. In this case Teflon tape must be used on the threads to give a secure outlet seal.

Hep_vO Sanitary Waste Valve



FOR ALL Hep_vO ENQUIRES IN NORTH AMERICA

PLEASE CONTACT

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UK Patent Nos. 2320310 - 2352496 - 2352497

US Patent No. 7509978

UK Design Reg. No. 2061474

European Patent No. 0941433



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BV1B/UB - 1 1/2" - SANITARY WASTE VALVE & ADAPTOR KIT

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CSA Group
Attestation
ASME A112.18.8



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Hep_vO Sanitary Waste Valve

- ⊙ **Dry Seal Technology.**
Cannot fail by evaporation or siphonage.
- ⊙ **Admits Air.**
Relieves negative pressure in drain system.
- ⊙ **One Way Valve.**
Prevents foul odors.

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1 1/4" or 1 1/2" In Line or Angled Adaptor with slip joint connection.

1 1/2" Threaded Connection to Fixture or Adaptors Supplied With Kit.

Compact design means Hep_vO is ideal for installation in confined areas.

Prevents the escape of foul sewer air from waste discharge systems.

Silent operation - no gurgling.

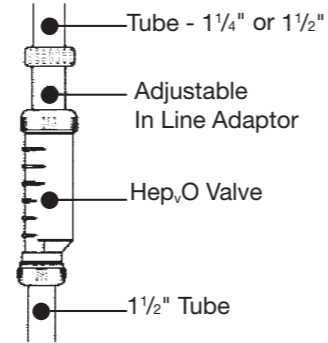
Actively maintains a pressure equilibrium in soil and waste installations.

Prevents waste water back-up into appliance.

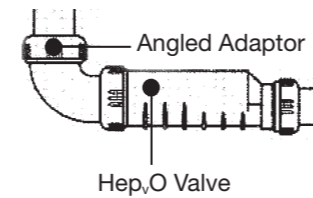
Eliminates need for water seal. Therefore no evaporation or siphonage of trap.

Hep_vO Outlet
The outlet is provided with a universal slip joint connection which is designed for use with 1 1/2" plastic or metallic tube.

VERTICAL INSTALLATION



HORIZONTAL INSTALLATION



MAINTENANCE

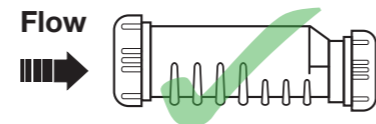
If mechanical devices such as spiral snakes, rippers or water jettors are required to clear blockages in the waste system, the Hep_vO valve must be removed first.

It is good practice to rinse the Hep_vO valve with a little clean water before replacing it in the system.

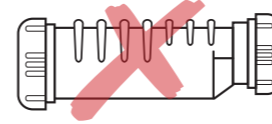
Side Elevation

When installed horizontally the ribs **must be at the bottom** to ensure correct operation.

CORRECT



WRONG



DO'S

When fixed horizontally to a fixture outlet or to a sloping tube, in order to prevent standing water and to provide a continuous fall, the Hep_vO valve must be installed with the ribs underneath.

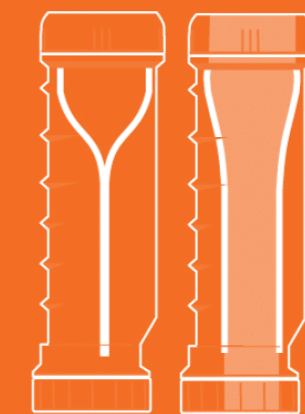
DON'TS

Do **not** use any jointing compound or sealant on the Hep_vO inlet or outlet connections.

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Hep_vO Used in an RV

Stop foul odors from entering RV's



Not in use Water flowing

As you can see here, when water enters the valve, the self-sealing membrane opens. As the water stops, it closes again, to prevent foul smelling odors from coming back up the pipe and into the room. Because Hep_vO is waterless, it allows air into the drainage system when pressure fluctuates, improving drain system ventilation. In the case of RVs, this means the small air admittance valve, or check-vent is no longer required, simplifying the installation and generating even more space!

Sometimes regular P-traps can loose their seal due to evaporation, siphonage or movement but because it doesn't rely on water to make a seal, this isn't a problem for Hep_vO.