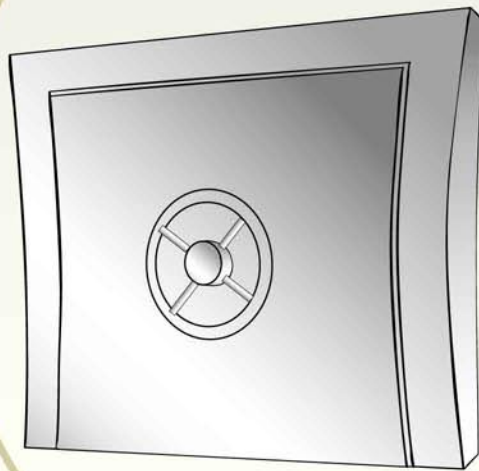


NON RETURN VALVE

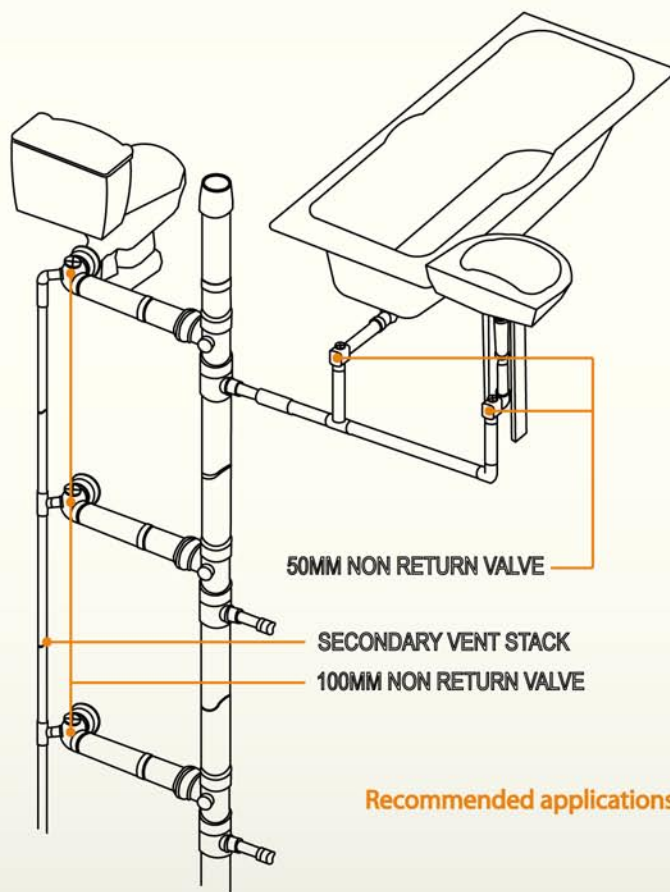
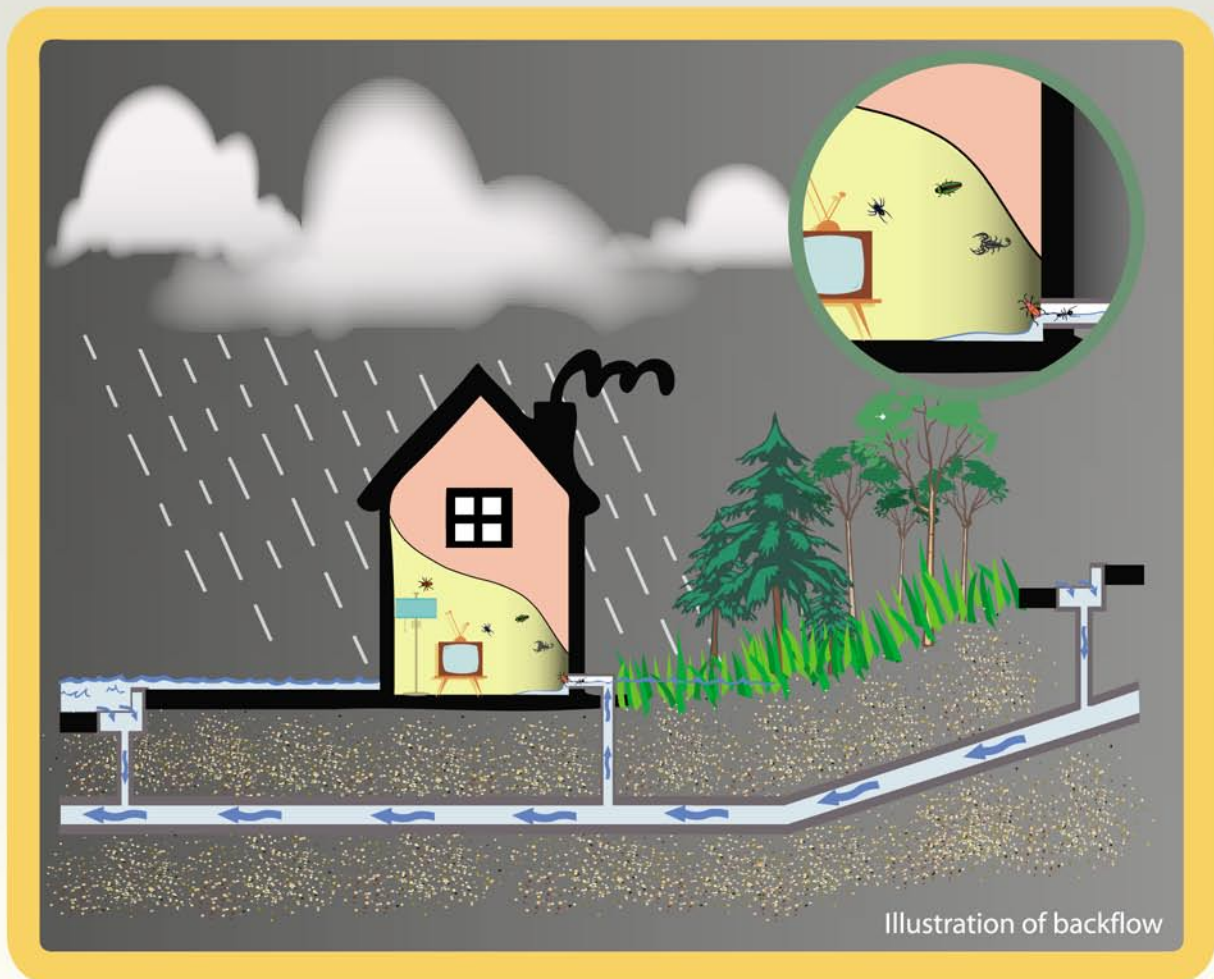
blocking
BACTERIA / INSECTS

BACKFLOW
resistant



blocking
ODOUR / GAS

patented
W.A.M. DESIGN



Sewage spill is a common problem especially for the low level floors of high rise buildings. The main reason is that the U-traps of sewage systems are incapable of preventing backflow.

U-trap was designed to retain a small amount of water to form a water seal that prevents sewer gas and other contaminants from entering buildings. However, the water seal may often fail in function when the water is gone due to various reasons.

Non Return Valve has a special designed valve that closes automatically after flushing and protect the buildings from being contaminated.



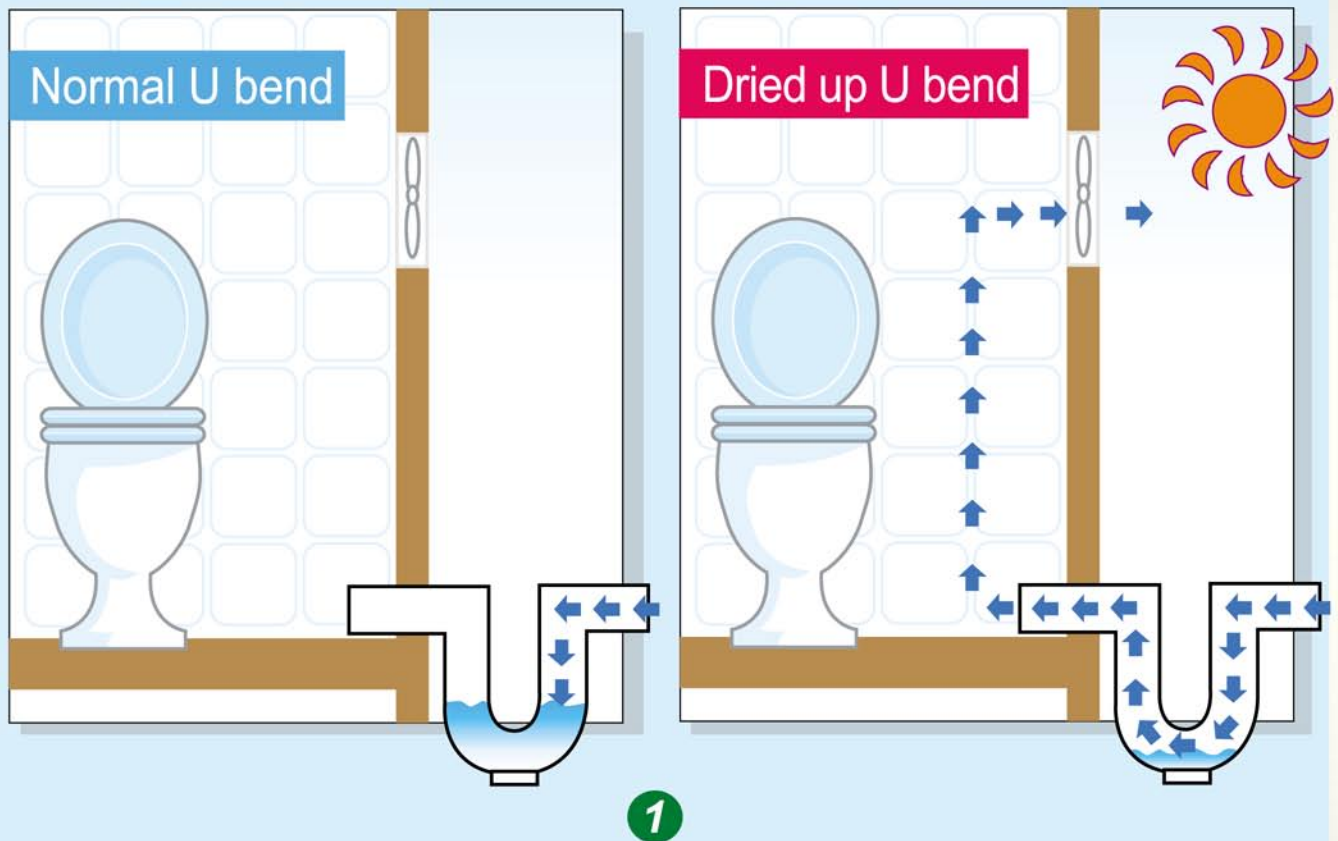
The Getz Corporation (Hong Kong) Ltd.

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A C E NON RETURN VALVE

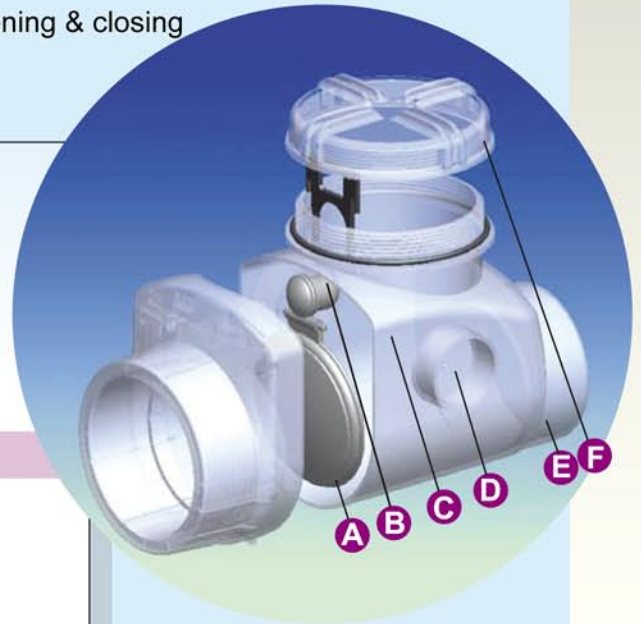
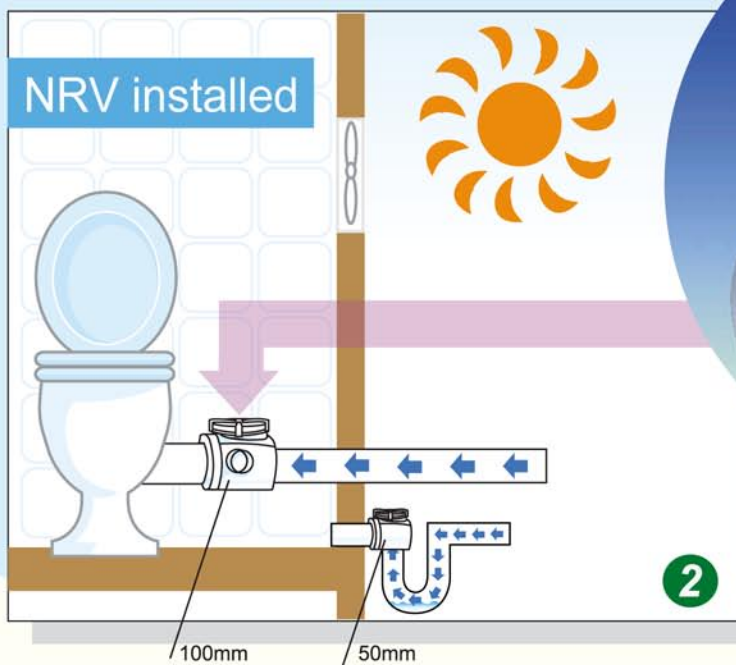
Design concept

1. Tackle the shortcoming of U-trap which must be filled with water to work.
2. Prevent the backflow, insects, bacteria and foul smell in the soil stack from entering bathrooms and kitchens.
3. The system complies with BS4514 & BS5525
4. Hopefully reduce or stop the use of sterilizing chemicals to flush the drain.

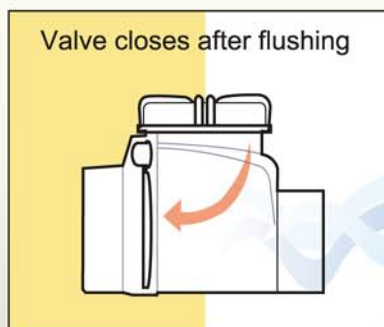


A C E NON RETURN VALVE

- A** Disc in arched shape with double rib gasket - designed to facilitate the flow
- B** Rolling Bead - constitutes a counterweight to ease opening & closing of hinged disc
- C** Main Body - UPVC construction provides aging resistance and chemical resistance
- D** Vent Stack - two flanges located at both sides for connection of 50mm stacks
- E** Outlet - designed with male connection for installation in narrow spaces
- F** Screw Cap - double threaded to facilitate opening & closing



Product Characteristics





Product Series and Dimension

Model #	Nom. Size (mm)	Angle	Length (mm)	Width (mm)	Height (mm)	Connection
SK - 9000	100 X 100	Horizontal	266	194	215	Female / Male
*EL - 9000	100 X 100	90 °	220	194	275	Female / Female
*EL - 9000L	100 X 100	90 °	220	235	215	Female / Female
*EL - 9000R	100 X 100	90 °	220	235	215	Female / Female
*SK - 8000	50 X 50	Horizontal	150	83	110	Female / Male
EL - 8000	50 X 50	90 °	113	83	140	Female / Female



SK-9000



SK-8000



EL-9000L



EL-9000R



EL-8000



EL-9000

Material: uPVC

* Special order models are custom made individually by plastic welding.

* The time needed to fabricate special order models varies, please order in advance.

* Special order models exact dimensions may vary from final injection molding models.

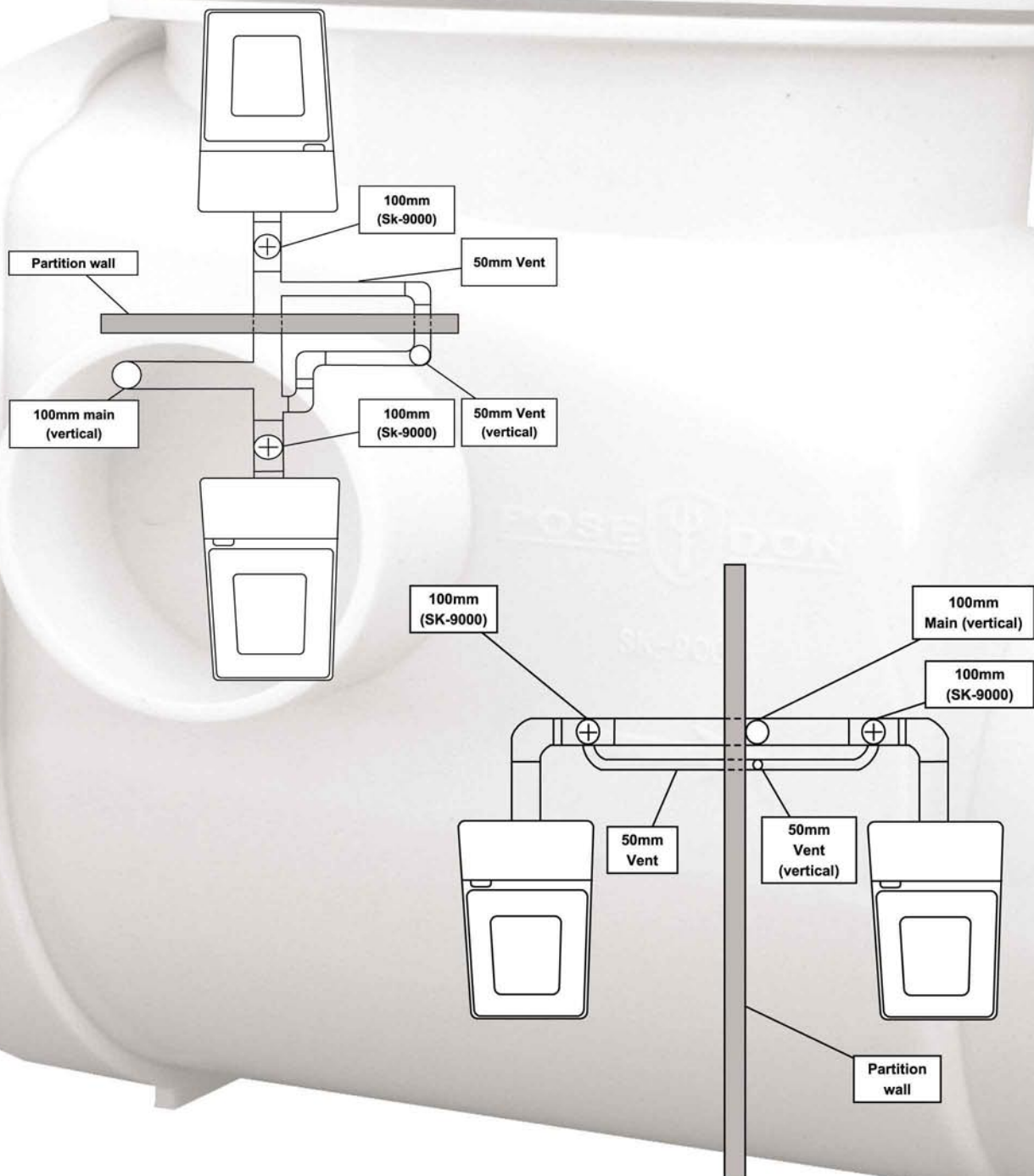
Custom-made NRV can be produced upon request. Please contact us for details.



NON RETURN VALVE

Sample Installation Sketch

Two lavatories sharing one drainage pipe (Common Discharge):
Non Return Valve can prevent sewage backflow from neighboring pipe.





NON RETURN VALVE

Actual Installation





Installations of Non Return Valve at HA Estates

Non Return Valves (NRV) has been installed at a number of Hong Kong Housing Authority estates. These installations successfully solved many plumbing problems, such as sewage backflow, odour and cigarette smoke being emitted from drainage pipes.

Chuk Yuen South Estate

Sau Yuen House (solved sewage backflow and odour problem).



Choi Wan Estate

Chi Sui House (solved sewage backflow and odour problem).



Lei Muk Shue Estate

Chui Shue House (solved sewage backflow and odour problem).



Wing Shue House (solved sewage backflow and odour problem).



Yeung Shue House (solved sewage backflow and odour problem).



Fung Shue House (solved sewage backflow and odour problem).



Chuk Shue House (solved sewage backflow and odour problem).



Ping Shek Estate

(solved sewage backflow and odour problem).



Shun Lee Estate

Residents at Shun Lee Estate filed complaints that adjacent resident's secondhand smoke enters their unit through a common floor drain. This problem has been solved after installing SK-8000 50mm NRV.



Shun Lee Estate (solved sewage backflow and odour problem).





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Installation Manual

1. Non Return Valve Sk-9000 is designed to remain closed when situated up to 1: 10 grade.
2. Clean and dry all connection areas, be sure that all foreign objects and PVC shreds (from sawing) are removed. Apply appropriate amount of solvent cement and attach pipe to fitting. Depending on the geographical location of the installation, different type/grade of solvent cement should be applied professionally to ensure the connection will withstand the environment. After the connection is made, it is very important that the installer verifies that no solvent cement or foreign object remains inside the valve, and the flapper has a free range of movement as intended.
3. Close the access cap and turn clockwise by hand to tighten the access cap. Please do not use any tools to tighten the access cap.
4. To open the access cap, simply insert a screwdriver between the grooves on the access cap and turn counterclockwise.

