

Smart-Valve

RAINWATER DIVERTERS

INCH & METRIC
 PRODUCTS

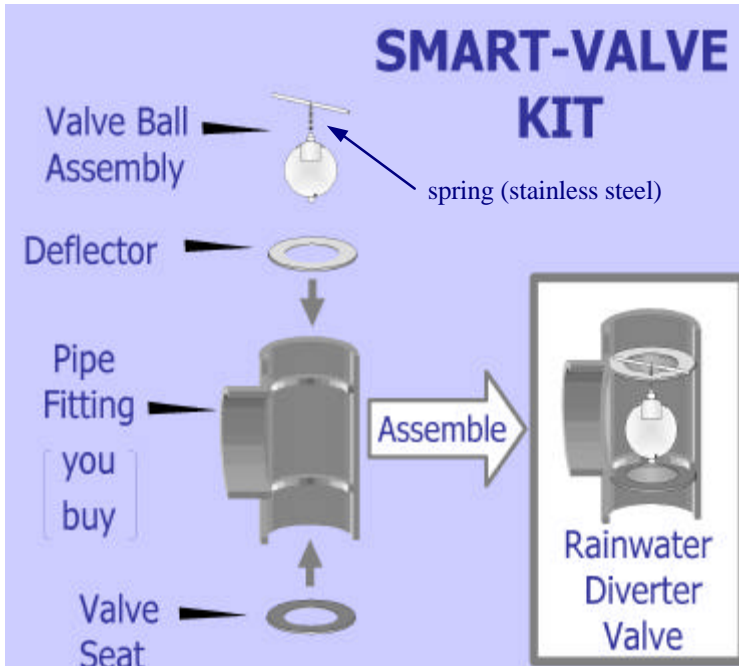
REMOVES
 DISSOLVED and
 SOLID DEBRIS

CLEANER
 SAFER
 WATER

ADJUSTABLE
 AUTOMATIC
 OPERATION

SELF
 CLEANING

EASY TO
 INSTALL

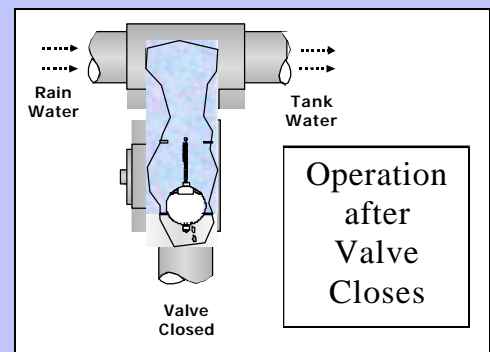
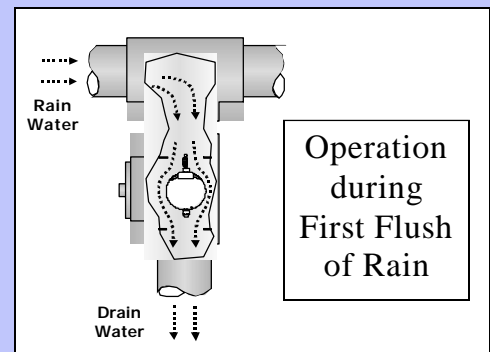


Smart-Valve (patents pending) is the world's first kit that transforms an off-the-shelf pipe fitting into an incredibly functional and low-cost rainwater "first flush" diverter valve.

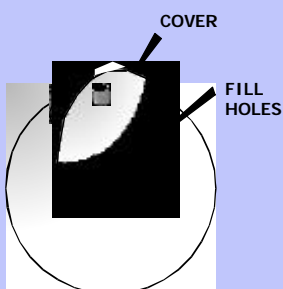
You buy a low-cost PVC Tee from your local supplier and Smart-Valve provides the durable components and simple instructions to make it all work.

AUTOMATIC OPERATION

- During the first flush of rain, water will flow down the downpipe and the deflector plate will direct water over the valve ball. A small portion of that water will enter the valve ball.
- The valve ball will eventually descend, due to the weight of the water in it, and close the valve. Rainwater will then fill up the downpipe and flow to the clean water tank.
- When the rain stops water is retained in the downpipe until it slowly drains out of a small drip hole in the ball. The spring resets the valve ball when the water is drained.



ADJUSTMENT for ROOF SIZE

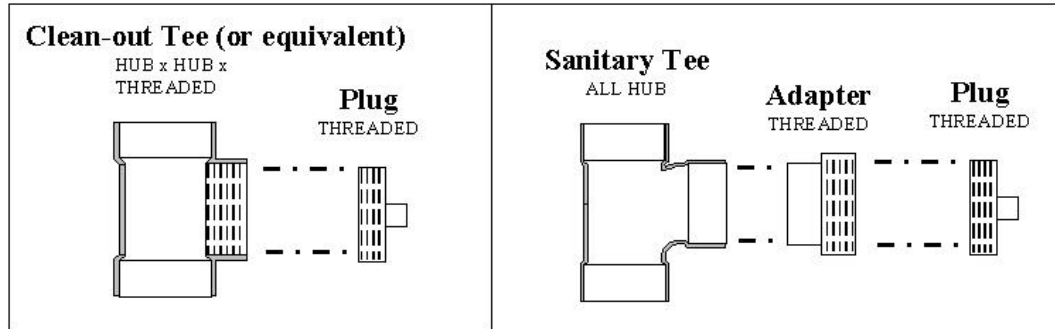


The Valve Ball has a movable cover that alters the opening of its fill holes.

Moving the cover adjusts the amount of "first-flush" water that is ultimately diverted away from your clean water tank.

HOW TO ORDER

Before you order Smart-Valve you must identify the PVC pipe fitting you will use as the diverter housing. Shown below are two common types of PVC fittings that work well with Smart-Valve. You can easily buy one of these fittings from your local supplier at low cost. Once you have purchased one of the fittings below, you are ready to order Smart-Valve via our website (online ordering or mail order).



The above fittings must have a removable plug (as shown) so that Smart-Valve can be installed and or cleaned, be sure to buy the plug and/or threaded adapter as well. Threads on plug can be male or female, it doesn't matter, as long as they match the fitting.

Order Guide

Product specifications subject to change without prior notice.

3 Inch SMART-VALVE

Smart-Valve Model	Pipe Sealing Method	Fitting Height (in)								
K300 Kit, for 3 inch diameter pipe fittings	W Solvent Weld	<table border="1"> <tr><td>S</td><td>Short = 3.2 - 3.5</td></tr> <tr><td>M</td><td>Medium = 3.5 - 3.9</td></tr> <tr><td>L</td><td>Long = 3.9 - 4.4</td></tr> <tr><td>X</td><td>X Long = 4.4 - 4.9</td></tr> </table>	S	Short = 3.2 - 3.5	M	Medium = 3.5 - 3.9	L	Long = 3.9 - 4.4	X	X Long = 4.4 - 4.9
S	Short = 3.2 - 3.5									
M	Medium = 3.5 - 3.9									
L	Long = 3.9 - 4.4									
X	X Long = 4.4 - 4.9									

Order Example: **K300-W-M** (most common)

Notes:
 1. Measure hub-to-hub distance (in) to determine fitting height.
 2. Sanitary Tee shown as example; all others apply.
 3. We can fit taller fittings (at no extra cost) via email request.

4 Inch SMART-VALVE

Smart-Valve Model	Pipe Sealing Method	Fitting Height (in)						
K400 Kit, for 4 inch diameter pipe fittings	W Solvent Weld C Compression Seal	<table border="1"> <tr><td>S</td><td>Short = 4.3 - 5.0</td></tr> <tr><td>M</td><td>Medium = 5.0 - 6.0</td></tr> <tr><td>L</td><td>Long = 6.0 - 7.5</td></tr> </table>	S	Short = 4.3 - 5.0	M	Medium = 5.0 - 6.0	L	Long = 6.0 - 7.5
S	Short = 4.3 - 5.0							
M	Medium = 5.0 - 6.0							
L	Long = 6.0 - 7.5							

Order Example: **K400-W-S** (most common)

Notes:
 1. Measure hub-to-hub distance (in) to determine fitting height.
 2. Sanitary Tee shown as example; all others apply.
 3. We can fit taller fittings (at no extra cost) via email request.

6 inch SMART-VALVE

Smart-Valve Model	Pipe Sealing Method	Fitting Height (in)						
K600 Kit, for 6 inch diameter pipe fittings	W Solvent Weld C Compression Seal	<table border="1"> <tr><td>S</td><td>Short = 6.3 - 7.8</td></tr> <tr><td>M</td><td>Medium = 7.8 - 9.3</td></tr> <tr><td>L</td><td>Long = 9.3 - 11.0</td></tr> </table>	S	Short = 6.3 - 7.8	M	Medium = 7.8 - 9.3	L	Long = 9.3 - 11.0
S	Short = 6.3 - 7.8							
M	Medium = 7.8 - 9.3							
L	Long = 9.3 - 11.0							

Order Example: **K600-W-M** (most common)

Notes:
 1. Measure hub-to-hub distance (in) to determine fitting height.
 2. Sanitary Tee shown as example; all others apply.
 3. We can fit taller fittings (at no extra cost) via email request.

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