



TruEdge Water Closet
Flush Valve
for 1 1/2" Top Spud

TruEdge Urinal
Flush Valve
3/4" Top Spud

Prior to Installation

All Plumbing is to be installed in accordance with all applicable Codes and Regulations. Water Supply Lines must be sized to provide adequate flow rate (gpm / gallons per minute) to all fixtures. Drawings should be reviewed for compliance with ADA, guide lines. Particular attention should be paid to the handle location and grab bar conflicts. To avoid damaging chrome during installation use flat-jawed wrench to tighten all coupling nuts.

Delany flush valves are designed to operate at water pressure between 20psi and 100psi. All plumbing fixtures require at least 25psi with most requiring higher pressure. Meeting the minimum pressure requirements of the fixture will automatically satisfy the minimum needs of the Delany valve installed. At pressures of 80psi and above, the use of pressure reducing valve in the supply line is highly recommended.

TOOLS REQUIRED FOR FLUSHOMETER INSTALLATION:

- A) Straight Blade Screwdriver
- B) 4-Way Combo Key with 9/32nd end
- C) 12-Point 1 1/2" Socket Wrench #748 (For main valve seat removal)
- D) Flat-jawed Adjustable Pipe Wrench.
(Recommended: E110 by Rigid)

WARNING: Never use any tool with teeth

WARNING: Never spray cleaners directly onto the electronic head, use a damp cloth to wipe down all parts of the flush valve.

1) INSTALLATION of SWEAT ADAPTER: Fig 1

If your installation includes a supply line with a threaded iron pipe, skip ahead to step 2.

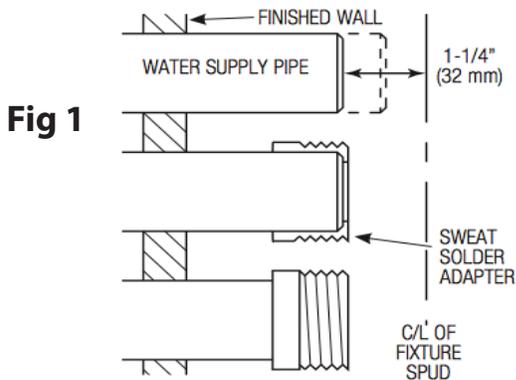
(Optional – Only Required for Supply Pipes without Male Threads)

- (A) Find Sweat Adapter Kit supplied in box.
- (B) Measure from the finished wall to the Center Line of the fixture spud.
- (C) Cut the pipe 1 1/4" shorter than measured number.
- (D) Slide the Sweat Adapter until it hits the shoulder of the bushing and sweat solder to pipe.

NOTE: If an Iron Pipe Supply (IPS) is being used, stub out the Iron Pipe Nipple to the same measurement as used for the Sweat Adapter.

- (A) Measure distance from finished wall to edge of first (1st) thread on Supply Pipe or Adapter.
- (B) Cut Cover Tube to this measurement.
- (C) Slide Cover Tube over Supply Pipe.
- (D) Slide the Wall Flange over Cover Tube and up against the wall.
- (E) Screw the Control Stop onto end of the pipe until hand tight then tighten with Ridgid E-110 Wrench.

NOTE: If an Iron Pipe Supply (IPS) is being used, stub out the Iron Pipe Nipple to the same measurement as used for the Sweat Adapter



2) MOUNT the CONTROL STOP: Fig 2

- (A) Measure distance from finished wall to edge of first (1st) thread on Supply Pipe or Adapter.
- (B) Cut Cover Tube to this measurement.
- (C) Slide Cover Tube over Supply Pipe.
- (D) Slide the Wall Flange over Cover Tube and up against the wall.
- (E) Screw the Control Stop onto end of the pipe until hand tight then tighten with Ridgid E-110 Wrench.

Fig 2

3) "KWIKFIT" and "SLIPFIT" ADJUSTABLE CENTERS: Fig 3

Delany Pulsar Flush Valves can be shipped with either the KwikFit or SlipFit Union Tailpiece pre-assembled.

SlipFit Instructions: Adjustable between 4 1/4" and 5 1/4" Centers.

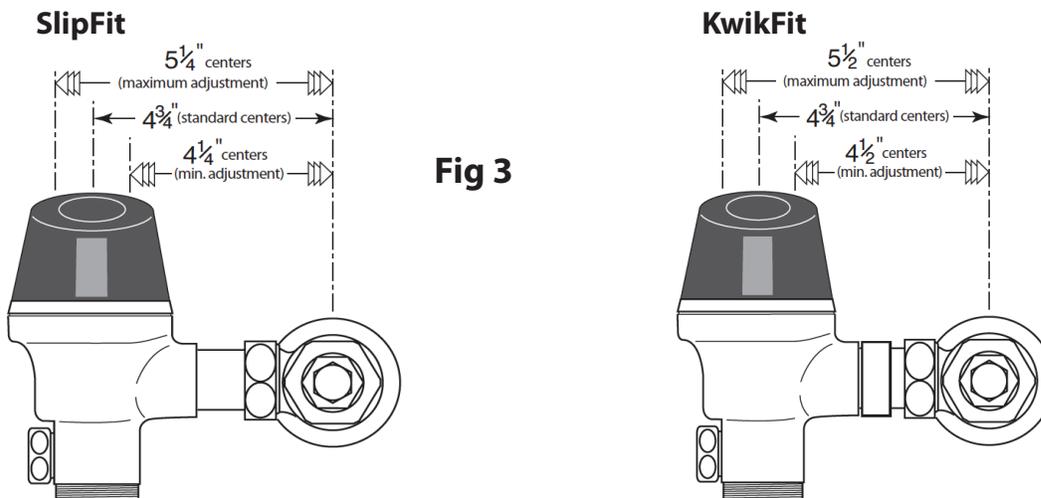
- (A) Slide the SlipFit Union Tailpiece into Control Stop
(Note: To slide more easily you may need to moisten the "O" ring)
- (B) Slide the Valve until it lines up with the center line of Fixture Spud.
- (C) Loosely hand tighten the Union Coupling Nut to the Control Stop.

NOTE: If Centers are more than 5 1/4", you will need to order longer lengths of the #130. Variations are available that will increase the Centers in 1" increments up to a maximum of 8 1/4".

KwikFit Instructions: Adjustable between 4 1/2" and 5 1/2" Centers.

- (A) Loosen Clamping Nut.
- (B) Spin KwikFit Union Tail Piece in or out to position as desired.
- (C) Tighten the Clamping Nut to lock the valve at new centers.

NOTE: If Centers are more than 5 1/2", you will need to order longer lengths of the #64. Variations are available that will increase the Centers in 1" increments up to a maximum of 8 1/2".



4) FLUSHING OF SUPPLY LINES

Once all of your separate Flush Valves have been connected to all of the fixtures and before finishing the construction project, it is highly recommended that all the supply lines be flushed of all dirt and debris that may have fallen in during the process of the construction.

- (A) Make sure proper Water Pressure is available
- (B) With Control Stop shut off, open the Chrome Cover of the last valve in the branch line.
- (C) Lift out diaphragm assembly, remove all parts from diaphragm, place diaphragm back in valve body, replace chrome cover.
- (D) Remove Main Valve Seat with 12-Point 1-1/2" socket wrench.
- (E) Replace Chrome Cover Plate and tighten.
- (F) Open Control Stop completely.
- (G) Once water is clear, shut off Control Stop and return Main Valve Seat and Diaphragm Assembly to valve body.
- (H) With Flush Valve Reassembled, open Control Stop.

5) INSTALLING AND ADJUSTING ELECTRONICS: Fig 4

Once the valve is installed and connected to the water supply, open the control stop to allow the water to flow to the valve.

TESTING THE SENSOR:

- (A) Remove the protective tape from the electronic housing window in the front.
- (B) Stand in front of the fixture for a minimum of ten (10) seconds and then step away. The valve should flush.

TESTING THE RANGE LENGTH:

Note: The TruEdge's range has been pre-set by the factory for either a W.C. or a Urinal depending on what was ordered. For most applications, no further adjustment should be needed.

Test the range setting by standing in front the fixture again, as close as possible. Then very slowly move straight back, roughly 6" at a time pausing between each step. The moment that the flush cycle begins, stop. This is the distance outward from the unit that the sensor is set for.

TO MAKE RANGE ADJUSTMENTS:

Note: The TruEdge uses a remote to make all adjustments to either the range or the discharge.

- (A) Buttons #1 & #2 are for adjusting the range.
- (B) Pushing #1 will increase the length of the range
- (C) Pushing #2 will decrease the length of the range.

Note: On the back of the remote you will find a simple graphic that shows with icons the #1 increase the range and #2 decreases the length of the range.

Step 1: Aim the remote at the sensor window holding it approximately 6"-12" away.

Step 2: Press the desired button once.

Note: Each press of the #1 or #2 button will adjust the length by roughly 1". With each press a faint LED light can be seen in the sensor window.

Also note that unit does not need to be put into an "adjustment mode". Simply press the desired buttons.

Step 3: Repeat the test for the length of the sensor range as described above. Continue adjusting as necessary.

Warning: Make sure to not over lengthen the sensor range. A range that is increased too far may inadvertently see an object such as the stall door and then the valve will not activate as the sensor does not see the user stepping away.

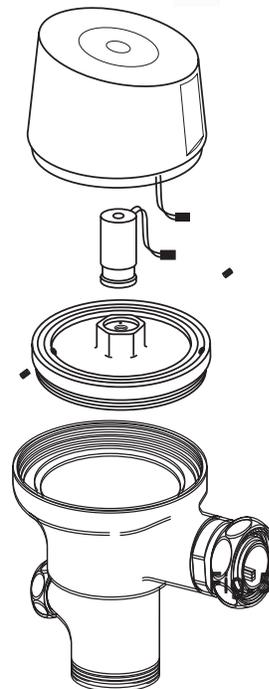


Fig 4

6) TO MAKE FLUSH CYCLE ADJUSTMENTS:

TO MAKE DISCHARGE ADJUSTMENTS:

Using the remote:

- (A) Buttons #3 & #4 are for adjusting the discharge.
- (B) Pushing #3 will increase the length of the discharge
- (C) Pushing #4 will decrease the length of the discharge.

Note: On the back of the remote you will find a simple graphic that shows with icons the #3 increase the discharge and #4 decreases the length of the discharge.

Step 1: Aim the remote at the sensor window holding it approximately 6"-12" away.

Step 2: Press the desired button once.

Note: Each press of the #3 or #4 button will adjust the discharge by roughly 12%.
With each press, a faint LED light can be seen in the sensor window.

Also note that unit does not need to be put into an "adjustment mode". Simply press the desired buttons.

Step 3: Flush the valve via the sensor or Courtesy Flush button to determine whether flush is satisfactory.

7) SETTING THE VALVES for MINIMUM FLUSHING NOISE: Fig 5

(A) Open the Control Stop to MAXIMUM open position.

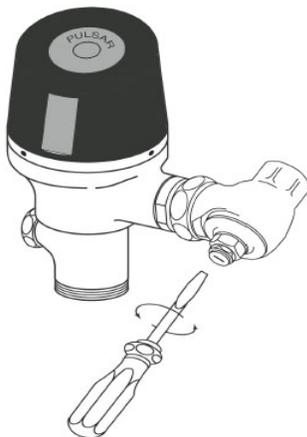
Note: The valve may run/flush for approximately 5 to 10 seconds when the water is first turned on before shutting itself down.

(B) Activate the flush valve by pushing the override button.

(C) While the water is running, slowly close the Control Stop. Depending on the inlet water pressure at any given fixture there is a setting at which the flush will be quieted. Also make sure that no splashing is occurring.

(D) Once adjustments to the Control Stop and the flow into the valve have been made, replace and tighten the cover cap.

Fig 5



IMPORTANT Cleaning and Maintenance Tips

■ The life of any electronic product is greatly enhanced by the proper care. ■

The TruEdge is equipped with a lithium battery. The TruEdge has a built-in signal for when the battery has died. A LED light begins flashing from the sensor window and the solenoid locks in the closed position preventing the flush valve from ever running due to an open solenoid position.

Proper cleaning is a must. 1) The TruEdge head must NEVER be hit with a spray wash. 2) Harsh cleaning chemicals must NEVER be applied to the surface. 3) Use only a damp cloth or rag to wipe the TruEdge head clean.

Never over tighten the set-screws of the TruEdge head.

Limited Warranty

Delany Products warrants all its products to be made of first class material, free from any defects. Each product will perform the service for which it is intended to in a thoroughly reliable and efficient manner as long as the product is properly installed and maintained for a period of one year from the date of purchase. During this said mentioned one year period Delany Products will either repair or replace any part or parts which are proven to be defective, only when the material is returned to Delany Products for inspection. This will be the only remedy available under this warranty policy. No claims will be allowed for labor, transportation or any other incidental costs. This warranty is only extended to the persons or organizations that purchased the material from a Delany Products distributor. For further assistance with any installation please call your local Delany Representative or Delany Products' Customer Service at 1-888-566-7784

IMPORTANT NOTES: 1) State and Local mandated codes require that the static pressure in a given building not exceed 80 psi. It is also good plumbing practice to not exceed 80 psi in order to extend the life of all plumbing products installed. 2) In order to extend the life of the chrome finish on your flush valves never use harsh or abrasive chemicals to clean them. Use only mild soap and water applied with a soft cloth. 3) Do not use Pipe Dope or other sealants on any valve threads or couplings except for the Control Stop inlet threads. 4) Never open the Control Stop to a position where the water you are supplying is more than the Fixture can handle. A valve failure may cause the fixture to overflow.

