

Hudson Automatic
Water Fill Kit
#PB1342



Pressure Reducer Valve #30PSI



Fountain Basin
Auto Fill Kit
#ABDAUTO

1/2" AUTO FILLS & 30 PSI REGULATOR Installation Guides



Auto Fill Float Valve
for use with Fountain Basins

Hudson Automatic Water Fill for
use with Formal Falls® Basins, Pond
Skimmers, and Pump Canyons®

30PSI Pressure Regulator Valve for
use with either automatic water fill kit

1/2" Auto Fill Float Valve Kit

Automatic Fountain Basin Water Fill Regulator (#ABDAUTO)

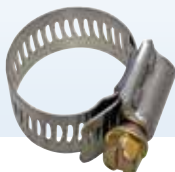
1/2" x 1"
Threaded
Nipple for
Garden Hose
Connection



1/2" Swivel
Fitting
Garden
Hose
Adapter



Irrigation
Line Hose
Clamp



1/2" Male
Threaded
Barb Fitting for
Irrigation Line
Connection



PTFE Thread
Seal Tape



STEP 1

Locate the threaded spinweld on your **Blue Thumb Fountain Basin, Skimmer, Pump Canyon®, or Formal Falls® Basin.**

STEP 2

Blue Thumb Basins have **built-in spinwelds designed for this Auto Fill Valve.** If desired, the nut and o-ring are not needed and may be removed from the valve. However, some choose leave the nut on the inside of the basin as shown in the photo below at left.

STEP 3

Apply Thread Seal Tape to the Auto Fill threads in a clockwise motion. This prevents the tape from coming off when tightening the fitting. Thread the Auto Fill Float Valve onto the spinweld **inside of the basin.**

STEP 4

Connect the Auto Fill Valve to the water supply outside of the basin using the **garden hose** parts or the **irrigation line** fitting and clamp.

STEP 5

Adjust the height and angle of the Auto Fill Valve as needed. When at desired basin fill height and angle re-tighten the wingnut.

USING YOUR AUTO FILL VALVE

When the water level drops, the control hole opens to allow water flow. **To adjust the water level**, loosen the wingnut and tilt the float to the desired height before re-tightening.

For maximum basin fill, angle the float between 30° and 40°. Ensure the float does not contact the basin cover, as this may prevent the valve from shutting off, leading to overflow.

Test for leaks before use.

NO BASIN SPINWELD?

If installing on a product without a threaded spinweld, drill a 1/2" hole at the desired location. Utilizing the included nut and o-ring, pass the Auto Fill threaded end through the hole.

On the outside of the basin place the o-ring and nut onto the threads of the Auto Fill Valve and tighten.



1/2" Hudson Auto Water Fill Valve Kit

Automatic Pond and Pond-less Water Fill Regulator (#PB1342)

KIT COMPONENTS

- (1) 1/2" Hudson Fill Valve
- (1) 1/2" MIP x FIP 90° Elbow
- (2) 1/2" x 1" Close Thread Nipple
- (2) 1/2" MIP x 1/2" Insert Barb
- (1) 1/2" FIP x Hose Swivel
- (2) 1/2" – 1-1/16" Hose Clamps
- Teflon Tape

INSTALLATION TOOLS NEEDED

- Medium Channel Locks
- 5/16" Nut Driver



STEP 1

Tape one 1/2" x 1" Nipple from end to end.

STEP 2

Thread half the length of the nipple into the auto fill spinweld from the inside of the skimmer or Pump Canyon.

STEP 3

Tape the MIP end of the 1/2" MIP x FIP 90° Elbow.

STEP 4

Thread the FIP end of the 1/2" MIP x FIP 90° Elbow onto the other half of the nipple that is sticking out of the auto fill spin weld on the inside of the skimmer. Have the MIP end of the fitting pointing down when you finish.

STEP 5

Take your Hudson Fill Valve in hand and remove the metal strainer from the FIP insert at the top of the Valve.

Note: The strainer is not needed if you will be feeding water from a clean source. Otherwise the use of the strainer may push down on the valve's diaphragm causing it to malfunction.

STEP 6

Thread the FIP insert at the top of the valve onto the MIP end of the 1/2" MIP x FIP 90° Elbow.

IRRIGATION LINE OR POLY WATER LINE STEPS

If you will be feeding water to your auto fill valve using a standard irrigation line or poly water line follow these steps:

STEP 7A

Tape the MIP end of the 1/2" MIP x Insert Barb.

STEP 8A

Thread the taped MIP end of the 1/2" MIP x Insert Barb into the auto fill spin weld from the outside of the skimmer.

STEP 9A

Slide the 1/2" – 1-1/16" Stainless Steel Hose Clamp onto the end of your feed line.

STEP 10A

Slide your feed line onto the Insert Barb end of the 1/2" MIP x Insert Barb fitting that is sticking out of the auto fill spin weld on the outside of the skimmer.

STEP 11A

Tighten the hose clamp onto the feed line at the point where it is secured onto the insert barb.

GARDEN HOSE STEPS

If you will be feeding water to your auto fill valve using a garden hose follow these steps:

STEP 7B

Tape the other 1/2" x 1" Nipple from end to end.

STEP 8B

Thread half the length of the nipple into the auto fill spin weld from the outside of the skimmer.

STEP 9B

Thread the 1/2" FIP end of the 1/2" FIP x Hose Swivel, Brass fitting onto the other half of the nipple sticking out of the auto fill spin weld from the outside of the skimmer.

STEP 10B

Tape the threads at the end of the garden hose that will be connected to, and feeding the auto fill valve.

STEP 11B

Bring the taped end of the garden hose into the hose swivel end of the brass fitting and turn the swivel onto the end of the hose until it is securely tightened.

STEP 12

Turn on the water feed line and check for leaks.

Note: If any leaks are detected, shut the feed line off and re-tape the leaky fitting. Using a little more tape will usually solve the problem.

30 PSI Pressure Limiting Valve Kit

Water Pressure Reducer for Auto Fill Valve

May be used with either Automatic Water Fill Kit.

INCLUDED IN THIS KIT:

Two 1/2" Male Threaded Barb Fittings for connecting irrigation lines



PTFE Thread Seal Tape



Water Pressure Regulator



Direct to Basin Adapter



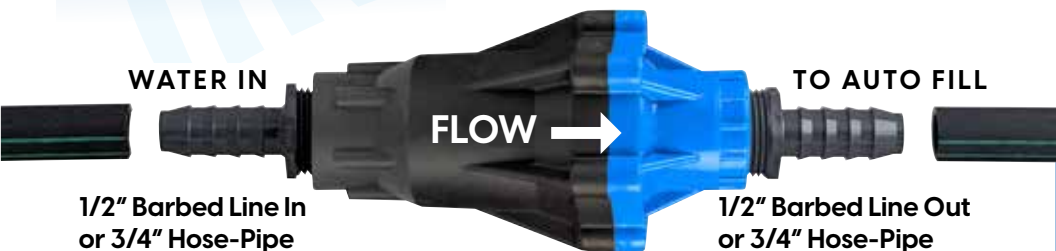
Two Irrigation Line Hose Clamps



The max pressure through Blue Thumb Auto Fill Valves is 30psi. If the pressure is greater than 30psi you will need to add a regulator in-line to prevent the valve from being stuck in the fill position.

INSTALLATION IS EASY

Attach 30 PSI Pressure Limiting Valve in the **incoming water line** (irrigation line or garden hose) to reduce pressure to your Auto Fill Valve. Use Teflon tape on threads to prevent leakage.



- **CAUTION: Do not disassemble the pressure regulator.** A compressed spring is contained within and could cause injury if disassembled.
- This regulator is designed to **operate with clean water**. If a filter is required, it should be 100 mesh or finer and capable of flowing up to 18 gpm with no more than 5 PSI internal friction loss.
- **The maximum inlet pressure is 125 PSI.**

- If using a thread sealant, **use only Teflon tape.**
- The water **flow direction must match the arrow** shown on the regulator.
- **Highly recommended for use with Auto Fill Valves** installed in Blue Thumb fountain basins, pond skimmers, Pump Canyons®, and Formal Falls® basins.

FOR QUESTIONS - Call our Tech Team at 888-619-3474