

- *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.*

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

Step 5

4.1 Thread the FIP end of the ½" 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 4

3.1 Tape the MIP end of the ½" MIP x FIP 90° Elbow.

Step 3

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

Step 2

1.1 Tape one ½" x 1" Nipple from end to end.

Step 1

- Hudson Fill Valve
- ½" MIP x FIP 90° Elbow
- (2) ½" x 1" Close Thread Nipple
- (1) ½" MIP x ½" Insert Barb
- (1) ½" FIP x Hose Swivel, Brass
- (1) ½" - 1-1/16" Stainless Steel Hose Clamp
- Medium Channel Locks
- 5/16" Nut Driver
- Teflon Tape

Installation Tools Needed

Kit Components

Step 7b

- Tape the other ½" x 1" Nipple from end to end.

Step 11a

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

• Slide your feed line onto the Insert Barb end of the ½" MIP x Insert Barb fitting that is sticking out of the auto fill spin weld on the outside of the skimmer.

Step 10a

• Slide the ½" - 1-1/16" Stainless Steel Hose Clamp onto the end of your feed line.

Step 9a

• Thread the taped MIP end of the ½" MIP x Insert Barb into the auto fill spin weld from the outside of the skimmer.

Step 8a

• Tape the MIP end of the ½" MIP x Insert Barb.

Step 7a

- *Note:*
- *If you will be feeding water to your auto fill valve using a standard irrigation line or poly water line follow steps 7a - 11a*
- *If you will be feeding water to your auto fill valve using a garden hose follow steps 7b - 11b*

6.1 Thread the FIP insert at the top of the valve onto the MIP end of the ½" MIP x FIP 90° Elbow.

Step 6

Kit Components

- (1) ½" Hudson Fill Valve
- (1) ½" MIP x FIP 90° Elbow
- (2) ½" x 1" Close Thread Nipple
- (1) ½" MIP x ½" Insert Barb
- (1) ½" FIP x Hose Swivel, Brass
- (1) ½" - 1-1/16" Stainless Steel Hose Clamp

Installation Tools Needed

- Medium Channel Locks
- 5/16" Nut Driver
- Teflon Tape

Step 1

1.1 Tape one ½" x 1" Nipple from end to end.

Step 2

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

Step 3

3.1 Tape the MIP end of the ½" MIP x FIP 90° Elbow.

Step 4

4.1 Thread the FIP end of the ½" 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

5.1 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

6.1 Thread the FIP insert at the top of the valve onto the MIP end of the ½" MIP x FIP 90° Elbow.

Note:

- *If you will be feeding water to your auto fill valve using a standard irrigation line or poly water line follow steps 7a - 11a*
- *If you will be feeding water to your auto fill valve using a garden hose follow steps 7b - 11b*

Step 7a

• Tape the MIP end of the ½" MIP x Insert Barb.

Step 8a

• Thread the taped MIP end of the ½" MIP x Insert Barb into the auto fill spin weld from the outside of the skimmer.

Step 9a

• Slide the ½" - 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 ½" 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.

Step 7b

• Tape the other ½" x 1" Nipple from end to end.

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



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

Step 12

- 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 11b

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

Step 10b

- 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 9b

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

Step 8b

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