

# S5-HD & 100 Series Float Valve

## Installation and Maintenance

### The Valve Includes

- Valve Unit (including filter and diaphragm)
- 2 brass float rods (2", 5 ¾")
- Float rod weight
- Fittings and/or adapters depending on the model chosen (to fit your inlet size and type)
- Float rod stop gasket (to keep weight in place when using longer brass rods)
- Wing nut, bolt, star washer (to attach brass float rod to valve arm)
- Plastic Float 4"



### Valve Assembly

- The valve comes with two different size brass float rods to customize the length to suit your application.
- Choose the brass float rod that meets your installation needs and insert into the plastic float. The float rods are easily interchanged by unscrewing the float rod from the plastic float. The larger rods have a rubber stop gasket to prevent the rod weight from sliding down the brass float rod.
  - The smaller float rod does not require this rubber stop gasket or weight.
  - Other optional longer float rods are available to better suit your application if needed.
- After your desired float rod selection and insertion into the plastic float, connect the other end of the brass float rod to the valve arm by using the wing nut, bolt, and star washers. The star washers go between the valve rod and the brass float rod.
- With the S5-100 series, the valve comes with the chosen inlet adapter permanently attached to the valve body that coincides with the model number. Attempting to remove the threaded nozzle will cause a failure point in this connection which in-turn may result in



leakage and is not covered by warranty. To clean the filter, see the maintenance section below.

## Valve Installation

- Prior to installation ensure the feed lines are flushed and free of debris.
- Make sure that you chose the correct adapter/fittings to match your feed line diameter (see above).
- Adjust the brass rod to the desired tank level.

## Maintenance

If the valve is not operating properly:

- Check the valve rod adjustment to assure proper tank level is maintained.
- Check diaphragm and filter condition
  - Turn off the feed line.
  - For the S5-100 Series, remove the six stainless steel screws holding the valve bonnet in place and remove bonnet.
  - For the S5-HD Series (3/4", 1", 1.25", and 1.5"), unscrew the valve from the 1-1/2" or 2" black adapter to expose the diaphragm/filer.
  - Remove diaphragm assembly and check for debris buildup and flush with clean water if debris is present.
  - Check diaphragm assembly for signs of rupture. If ruptured replace diaphragm assembly. (part# S5-100D)
  - For the S5-100 Series, using the six stainless screws reassemble the valve and return to service making sure the float is adjusted properly. For the S5-HD Series (3/4", 1", 1.25", and 1.5"), simply reattach the valve to the 1-1/2" or 2" black adapter



S5 -Black Adapter



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S5 -Black Adapter

