

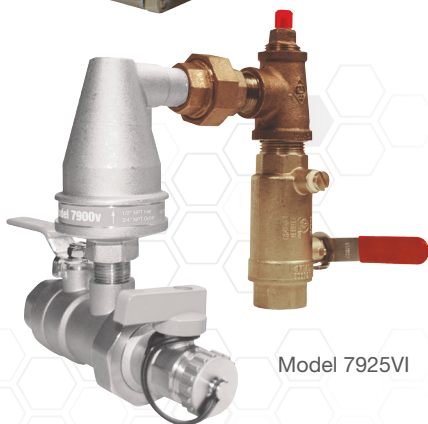
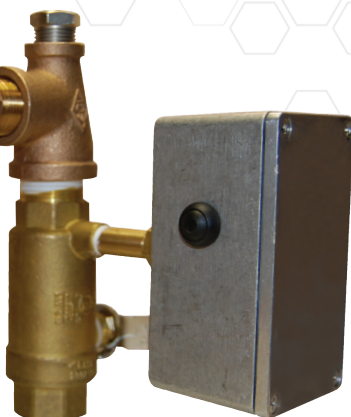


**PURGENVENT™**

# **Models 7920AI • 7925VI**



Model 7920AI



Model 7925VI

## **Owner's Manual**

[www.agfmfg.com](http://www.agfmfg.com)

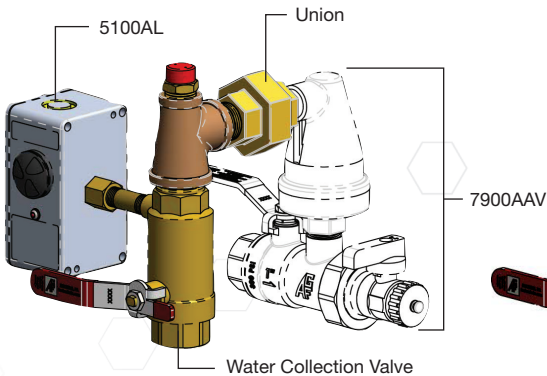


**PURGENVENT™**

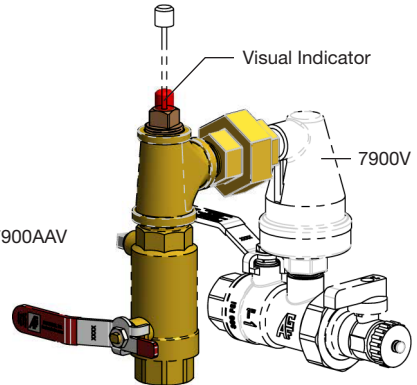
# **Models 7920AI • 7925VI**

## **Water Collection Assemblies**

**Model 7920AI**



**Model 7925VI**



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**AGF Manufacturing**  
100 Quaker Lane • Malvern, PA 19355

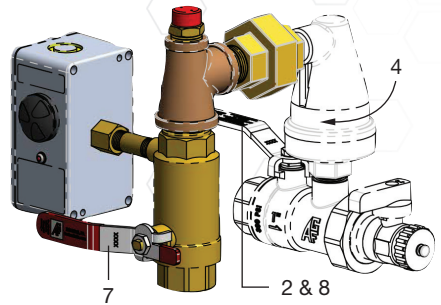
Phone: 610-240-4900  
techsupport@agfmfg.com

**www.agfmfg.com**

## 7920AI INSTALLATION INSTRUCTIONS

The Model 7920AI PURGE<sub>n</sub>VENT Water Collection Assembly features an audible indicator that operates on the principle of conductivity. The indicator uses a probe which is inserted into the collection valve. When moisture escapes from the 7900AAV (sold separately), it will accumulate in the collection valve until it reaches the probe. When the accumulated water reaches the probe it completes the circuit and the assembly sounds a local, audible alarm and flashes a visual, red LED. The module will reset itself when the collected water is completely drained.

1. Unpack the 7920AI Water Collection Assembly and carefully inspect it for any damage caused during shipping.
2. Close the isolation valve on the 7900AAV Air Venting Valve.
3. Remove the 7900V Air Vent from the 7900AAV.
4. Clean the threads on the 7900V. Then, apply a new sealant to the threads and reinstall the 7900V by positioning the outlet of the 7900V to the desired side of the 7900AAV Air Venting Valve.
5. Thread the loose half of the union onto the 7900V and tighten.
6. Install the 7920AI on the union.
7. Make sure the valve on the 7920AI collection assembly is in the closed position.
8. Open the isolation valve on the 7900AAV.
9. See page 5-7 for wiring instructions.



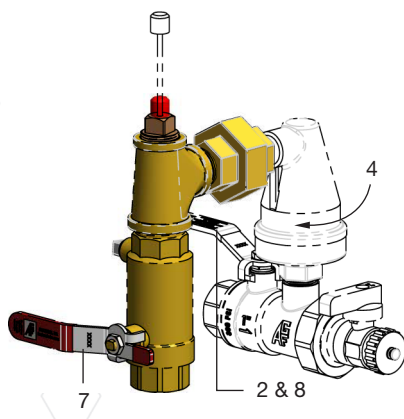
**NOTE:** Approximately 1.2 oz (35 ml) of water will activate the audible and visual alarms. The Model 7920AI must be drained completely to disengage the alarms. Please call 610-240-4900 for instructions on how to silence the local audible alarm if directly wired to a fire control panel or BMS.



## 7925VI INSTALLATION INSTRUCTIONS

The Model 7925VI PURGE<sub>n</sub>VENT Water Collection Assembly uses a visual float that rises when the collection valve is full.

1. Unpack the 7925VI Water Collection Assembly and carefully inspect it for any damage caused during shipping.
2. Close the isolation valve on the 7900AAV Air Venting Valve.
3. Remove the 7900V Air Vent from the 7900AAV.
4. Clean the threads on the 7900V. Then, apply a new sealant to the threads and reinstall the 7900V by positioning the outlet of the 7900V to the desired side of the 7900AAV Air Venting Valve.
5. Thread the loose half of the union onto the 7900V and tighten.
6. Install the 7925VI on the union.
7. Make sure the valve on the 7925VI collection assembly is in the closed position.
8. Open the isolation valve on the 7900AAV.



## 5100AL OPERATING INSTRUCTIONS

Power is supplied to the Model 5100AL by a 9V battery (default) or by installing a 12-24VDC external hardwire (See page 6). **The 5100AL can draw up to 100mA during operation. Ensure the power supply is sized appropriately for this and any other loads on the same circuit.**

### Battery Operation:

1. Remove four screws on the alarm box and take off the cover.
2. For battery operation, check to make sure the **Voltage Jumper** is on the front two pins as shown in Image 1 (Fig. A).

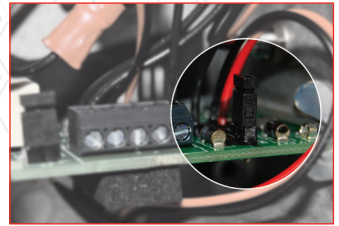


Image 1

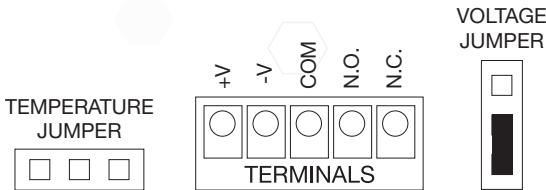


Fig. A

3. Install a 9V battery as shown in Image 2.

**NOTE:** When the battery begins to run low the alarm will chirp and the LED will double flash, or flash yellow on older models.

4. Place battery under the circuit board as shown in Image 3.
5. Install the cover with the four screws.

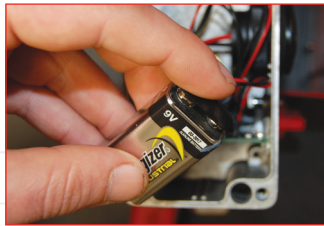


Image 2

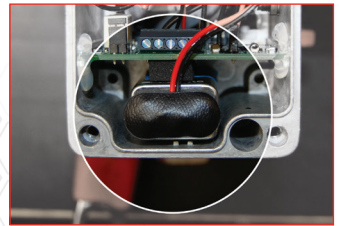


Image 3

## External Hardwire Operation:

1. Remove four screws on the alarm box and take off the cover.
2. For external power operation, place the Voltage Jumper on the rear two pins as shown in Image 4 (Fig. B).

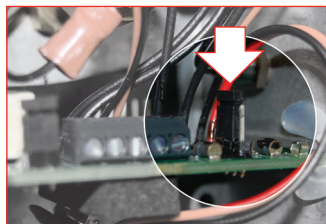


Image 4

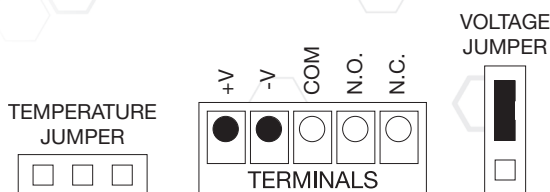


Fig. B

3. While supporting the bottom of the alarm enclosure, remove the knockout using a slotted screwdriver and a hammer (Place a clean rag underneath the knockout to prevent debris from falling onto the circuit board).
4. Install ½", watertight, conduit fitting or cord grip into the knockout opening and run the external power source into the alarm housing as shown in Image 5.
5. Connect external power source to V+ and V- terminals as shown in Image 6 (Fig. B). Ensure DC is from a clean power supply and not full-wave rectified without a capacitor.
6. Install cover with the four screws.

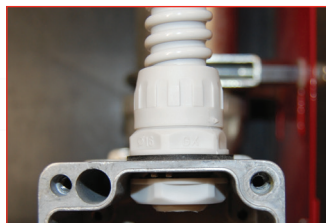


Image 5

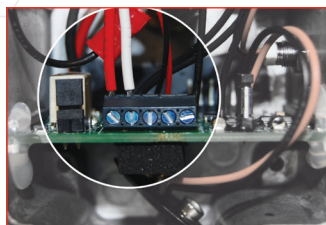


Image 6

### Remote Operation Setup:

The Model 5100AL Water Detector features a Remote Notification Function. This function allows you to connect the unit directly to the fire control panel or BMS so when water is detected you will be notified remotely.

1. Remove four screws on the alarm box and take off the cover.
2. Connect wiring to the Common Terminal and either the N.O. or N.C. terminal as shown in Image 7 (Fig. D). Contact is rated for 2.0A @ 30VDC.

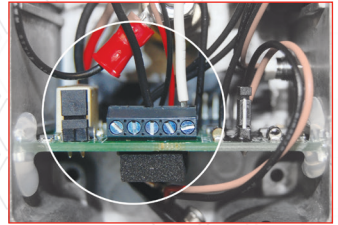
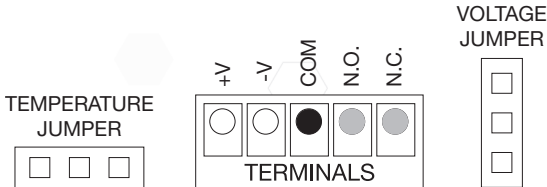


Image 7



3. Install cover with the four screws.

**NOTE:** Please call 610-240-4900 for instructions on how to silence the local audible alarm if directly wire to a fire control panel of BMS.



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