

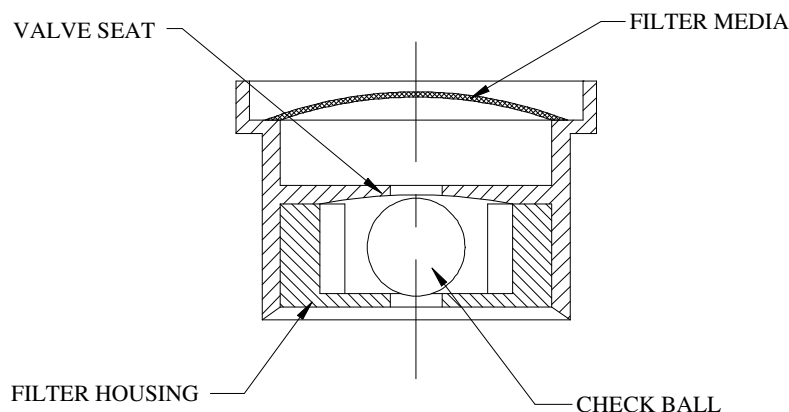
Release of New Air Filter for FreshGuard and WaterGuard VI

In an OASIS bottle cooler the air filter carries out two primary functions:

- Prevents air-borne particles from entering the cooler reservoir
- In the case of a leaking bottle, stops the water from emptying onto the floor.

Old Filter: **034556-001 AIR FILTER ASSY, COMPLETE**

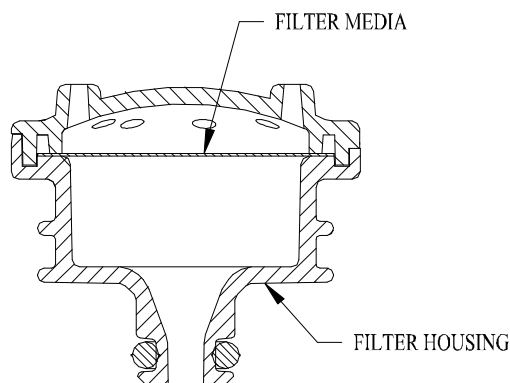
Construction of the filter is shown in the diagram below. When the faucet is opened, air is drawn through the filter into the bottle. This air then pushes water from the bottle into the reservoir. In normal operation, the level of water will stabilise at the bottom of the FreshGuard blade. In the case of a bottle leak, water flows from the bottle into the reservoir. This water attempts to force the air out of the reservoir - the filter allows the air to pass backwards through the filter and escape to atmosphere. The water level inside the reservoir rises. As it reaches the bottom of the air filter, the water raises a small ball that is moulded inside the filter housing. This ball seals against a valve seat, preventing water from flowing out of the bottle. The result is no water on the floor



The filter media used is 3M Filtrete G-300 material. This filter media is rated at over 99% retention for particle sizes of 1 micron (1µm) or greater.

New Filter: **033345-101 ASSY, FILTER CK VALVE**

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When the faucet is opened, air is drawn through the filter into the bottle. This air then pushes water from the bottle into the reservoir. In normal operation, the level of water will stabilise at the bottom of the FreshGuard blade.

In the case of a bottle leak, water flows from the bottle into the reservoir. This water attempts to force the air out of the reservoir, the filter allows the air to pass backwards through the filter and escape to atmosphere. The water level inside the reservoir rises. The filter media is made from a material which allows air to pass through but not water. The result is no water on the floor

The main advantages of this system are that there are no moving parts and also the filter media is more protected in case of splashes due to bottle changes.

The filter media used is Gore BPC membrane material. This filter media is rated at over 99.997% retention for particle sizes of 0.1 micron (0.1µm) or greater.

Note: This new filter assembly will retrofit all previous generations of WaterGuard and FreshGuard devices