

APEX
VALVES

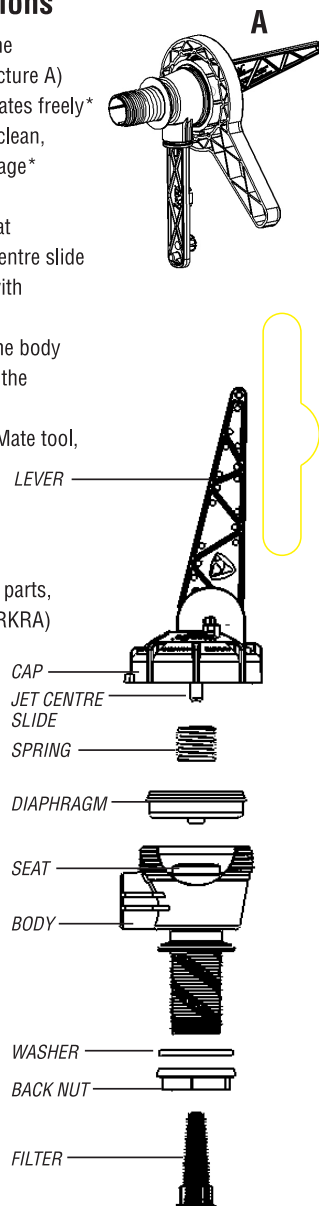
RainAid®

Every 6 months check that the valve functions correctly. Gently push the lever down and the valve will open. Release the lever. When the weights are submerged, the valve should close. If the valve fails to shut off completely, it may be necessary to clean or repair it.

Cleaning Instructions

- Unscrew the cap using the Trough Mate tool (see picture A)
- Check that the lever operates freely*
- Remove the diaphragm, clean, inspect for wear or damage* clean filter
- Clean and inspect the seat
- Lightly lubricate the jet centre slide and diaphragm lip seal with silicone grease
- Place the diaphragm in the body
- Screw the cap back onto the valve body
- Tighten with the Trough Mate tool, aligning the flat side of the cap with the body outlet

* If the valve requires new parts, obtain and fit a repair kit (RKRA)



Specifications

- Inlet 3/4" NPT male.
- Cold mains pressure water connection.
- Working Pressure: 8-175 psi.
- Maximum water temperature 140°F.
- Supplied with inlet strainer.

Operating principle

Under normal conditions, rainwater will fill the tank. If the rainwater level drops below a pre-set level (L), the RainAid valve will open to maintain the water level using the mains water supply.

The RainAid valve MUST NOT be fitted to tanks used for stormwater detention. (Detention is the slow release of water run-off to the stormwater drain during and after rainfall events)

The minimum water level (L) is easily set at any height during installation by adjusting the cord length.

NB: it is important to keep a 12" head of water on the pump at all times.

Valve installation must be in accordance with local bylaws and council regulations. (Air gap requirements as specified by EPA USA and AWWA Canada)

Installation instructions

IMPORTANT

- NOT TO BE MODIFIED
- OVERFLOW DISCHARGE MUST BE VISIBLE
- Pump must have 'dry-run' protection
- Failure to affix label, supplied with valve, near the visible overflow discharge will void Warranty
- Water loss is not covered by the manufacturers warranty.
- Cord must hang freely.

1. Install the valve horizontally. Do not install on an angle.
2. DO NOT restrict flow.
3. Inlet pipe must be clean.
4. Ensure the washer is fitted on the inside of the tank
5. Use thread tape and do not over-tighten.
6. Measure the required cord length 'L' as shown in the illustration.
7. Trim the cord length.
8. Thread the cord through the hole at the end of the lever. Tie a knot in the end of the cord to secure it.
9. Ensure the weight is secure at the other end of the cord.
10. Place the weight in the tank. (It will sink if the tank is full of water).

