

Installation Guide: Astral Check Valve Assembly (598770)

What It Is

- A **non-return valve** that prevents water from rushing backward through the pump when it switches off.
- Protects the impeller from spinning off due to reverse flow.
- Suits **40mm and 50mm unions**.
- Replaces older screw-style valves with a newer clip-in design².

What You'll Need

- The check valve assembly (Astral part #598770)
- Flathead screwdriver (if needed for union loosening)
- Lubricant for O-rings (optional but recommended)

Step-by-Step Installation

1. **Turn off the pump and isolate power** Safety first—make sure the pump is off and unplugged.
2. **Release pressure** Open the filter lid or use the drain plug to release any pressure in the system.
3. **Access the union fitting** Locate the **inlet union** on the pump (where water enters). Unscrew it to expose the internal cavity.
4. **Insert the check valve**
 - The valve should slide into the cavity behind the union.
 - Ensure the **arrow on the valve** points in the direction of water flow (into the pump).
 - It should sit snugly—some models use a clip or friction fit.
5. **Reattach the union**
 - Screw the union back on carefully.
 - Avoid overtightening to prevent cracking.
6. **Test the seal**
 - Turn the pump on briefly to check for leaks.
 - If leaking, inspect the O-ring and reseal the valve.