

ASI Check Valves Installation

The following are general instructions for all ASI check valves

Inlet Check Valve

- 1.1 Disconnect solvent intake line and remove inlet valve.
- 1.2 Install inlet cartridge and housing with the arrow on the cartridge pointing up, in the flow direction.
- 1.3 Firmly tighten housing and reconnect inlet fitting.

Important: It is absolutely essential to use solvent inlet filters with at least a 10 micron rating or finer. Failure to use an inlet filter will seriously compromise the valve reliability.

Outlet Check Valve

- 1.1 Disconnect the solvent outlet line and remove the old check valve.
- 1.2 Install outlet cartridge and housing with the arrow on the cartridge pointing up.
- 1.3 Firmly tighten housing and reconnect outlet fitting.

Priming the Pump

- 1.1 Open the purge valve in order to eliminate any pressure in the pump head. If there is no purge valve, then loosen the fittings at the outlet check valve.
- 1.2 Operate the pump at 4.0 mL or higher (the higher the flow rate the faster the pump will prime).
- 1.3 The pump should now draw solvent and prime without further operator assistance. When no more air is seen venting from the outlet fittings or purge waste outlet, tighten the outlet fittings and close the purge valve.

Note: Running the seals dry while priming the pump will not cause damage to the seals. ASI piston seals are made from UHMW-PE or Teflon blends that are self-lubricating materials. However, filling the intake lines with as much solvent as possible prior to priming will save time.