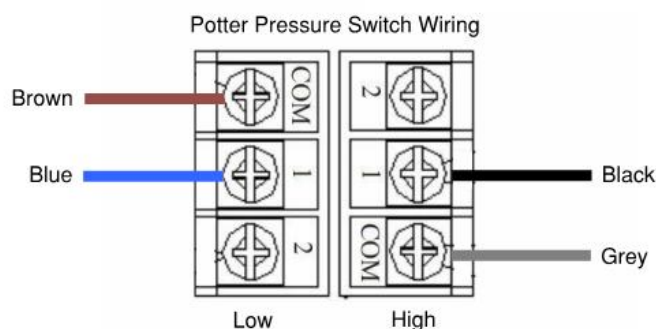


BS9251:2021 Pump Manifold Installation Guide

The AquaGuard pump manifold assembly has been pressure tested to 10 bar, please follow the instructions below to ensure no damage to the manifold is caused.

1. When fitting the manifold assembly to the pump, tighten using a spanner on the check valve body and not the manifold or elsewhere as this could cause a sealed joint to move and result in a leak. Do not overtighten fittings.
2. When fitting a CPVC adaptor or other type on the delivery valve, tighten using a spanner on the lever valve body and not the manifold or elsewhere as this could cause a sealed joint to move and result in a leak. Do not overtighten fittings.
3. **Pressure Switch Wiring:** If using with an AquaGuard fire pump controller then the pressure switch must be wired as pictured below, **Brown** = Common (Low side) and **Blue** = 1 (Low Side), **Grey** = Common (High Side) and **Black** = 1 (High Side). This wiring configuration will provide two normally closed contacts.



4. **Pressure Switch Adjustment:** Pressure switch cut in pressure is set at default to 1.5 bar below pump Pmax, if pressure adjustment is required, set system pressure at required cut in pressure using pressure gauge, then using the two black adjustment knobs slowly turn anti-clockwise to lower cut in pressure or clockwise to raise cut in pressure, until faint audible clicks are heard from both micro switches, then turn the knob on the low side slightly clockwise, the pressure on the side labelled 'Low' should be 0.1 – 0.2 bar above the side labelled 'High' and should be no more than 1 bar below pump Pmax.
5. **Flow Switch Wiring:** In the DIN connector wire **Brown** = contact 1 and **Blue** = contact 2. No earth is required as no voltage is present.