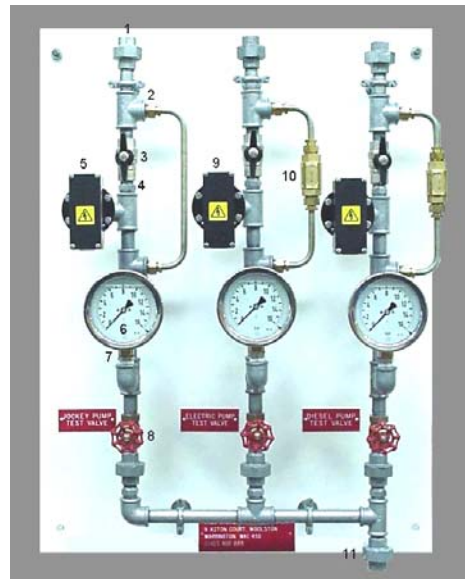


**Pump Initiation Test Assembly Issue B.**  
Operation & Maintenance

For use on LPC Sprinkler Installations

**Technical Specification**

1. ½ " inlet union
2. 2 mm restrictor
3. ½ " ball valve
4. 3mm restrictor
5. 1381V (0.5 - 11Bar) pressure switch
6. 0-16 Bar glycerine gauge
7. No loss connector
8. 1/2" gate valve
9. 1381 (0.5 – 11 Bar) pressure switch
10. Check valve
11. ½ " union to common drain



**Normal Operation**

Check that the ball valve (3) is open and gate valve (8) is closed and the gauge reading is above the pump start pressure setting.

The jockey pump pressure switch will fluctuate between high and low settings

**Maintenance**

- Switch off the power supply to pump and switches
- Shut ball valve (3)
- Open gate valve (8) to release the pressure from the gauge and pressure switch
- Individual components may now be removed for checking or replacement

**The unit is designed to relevant British Standards and to LPC bulletins**

**N.B.** The jockey pump has no non-return valve so the system may need to be drained for part 4 of the maintenance instructions. (Jockey only)

The bypass is fitted to enable the pumps to start and stop in the situation where the ball valve is inadvertently left closed.

In the case of the jockey test the pressure would decay during initiation test and start the jockey pump; this would then boost the system upto pressure. The test line is now isolated by the ball valve and the non return valve, therefore the jockey pump would start and never stop as it would be unable to read system pressure, consequently leading to failure and replacement. The relevant LPC technical bulletin requires a check valve to be fitted, although not fitted, it is available on request

The pressure switch is more readily set as the bypass has a restricting 2mm orifice; this enables the pressure to be gradually dropped in a controlled manor using the gate valve. System pressure will not be affected, as the jockey pump will deliver the deficit.