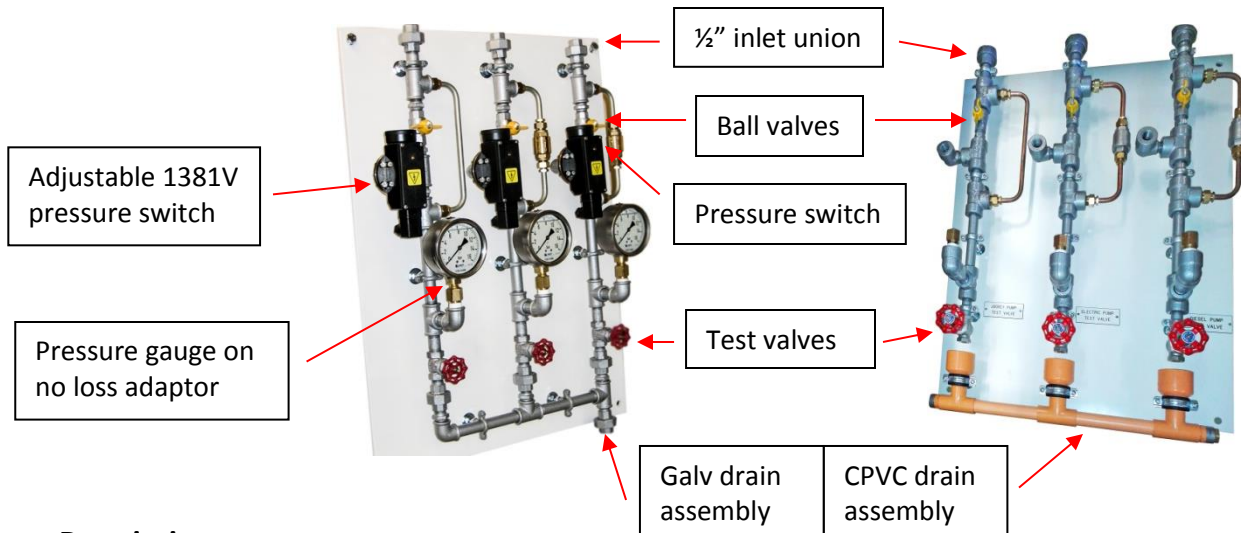


Pump Test/Initiation Boards

BS5306 models (Wet Risers, some older Sprinklers)

Operation & Maintenance

QAP02/2E updated: Jan 2021



Description

This compact, lightweight modular pump test assembly is designed to meet the requirements of LPC and BS5306. 'Single' switch models only for Wet Riser (or some older sprinkler systems).

The unit is directly mounted onto a 9mm polypropylene board for ease and speed of on-site installation. Each jockey and pump arrangement has a separate test assembly, complete with pressure switch, pressure gauge, test valve with orifice, all of which is connected to a common CPVC (or galvanised) drain. Pipework is 15mm HQ galvanised, with protective hammer finish.

Various configurations are available and labelling is available to suit; the above are illustrations.

* SAFETY *

It is required that users employ safe working practices when using this equipment and your attention is drawn to the Health and Safety at Work Act 1974, the electrical engineers regulation and any other current, pending or future safety requirements.

DO NOT operate this equipment until you have read and fully understand the contents of these operation & maintenance instructions, particularly with regard to and safety.

Installation

The unit should be wall mounted by securely bolting to the wall; take care because some configurations (e.g. multiple test 'legs' and high pressure) are especially heavy.

Pump lines should be connected using the 15mm/1/2" unions provided.

Electrical Connections

Locate electrical supply compatible to the pressure switches and connect in accordance with the enclosed pressure switch instructions.

Dangerous, potentially lethal voltages are present within this equipment, therefore care should be taken to ensure that all electrical connections remain firm and that cables do not wear, nor allowed to be in contact with excessive heat.

Normal Operation

1. Check that the ball valve/s is/are open and the gate valve/s is/are closed, and the pressure gauge reading is above the pump start pressure setting.
2. The jockey pump pressure switch will fluctuate between high and low settings.

Maintenance

1. Isolate all pumps and switches from the electrical supply.
2. Rotate ball valve/s to close.
3. Open gate valve/s to release the pressure from the gauge and pressure switch.
4. Individual components may now be removed for checking or replacement.

NB: the jockey pump has no non-return valve (to make cut in/out testing easier) so the system may need to be drained for some maintenance activities unless an isolation valve is installed.

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 up to pressure. The test line is now isolated by the ball valve and the non-return valve, therefore the jockey pump would run continually as it would be unable to read system pressure, consequently leading to failure.

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 manner using the gate valve. System pressure will not be affected, as the jockey pump will deliver the deficit.

Spare Parts

Only use genuine spare parts purchased from Sale Engineering Products or your maintainer, since the use of non-genuine spare parts will invalidate the warranty and may affect reliability and service life. Genuine spare parts, service items and accessories are readily available.

N.B. In the event of any difficulty understanding these instructions, or operating the unit, contact your installer or maintainer immediately.

Alternatively please call Sale Engineering Products as below

Sale Engineering Products Ltd
Unit 2 Brookfield Industrial Estate
Brookfield Road
Cheadle, Cheshire, UK
SK8 2PN

T: +44 (0) 161 428 1180
E: info@saleengineering.co.uk
W: www.firesprinkler.co.uk



British Automatic Fire Sprinkler Association

bafsa

