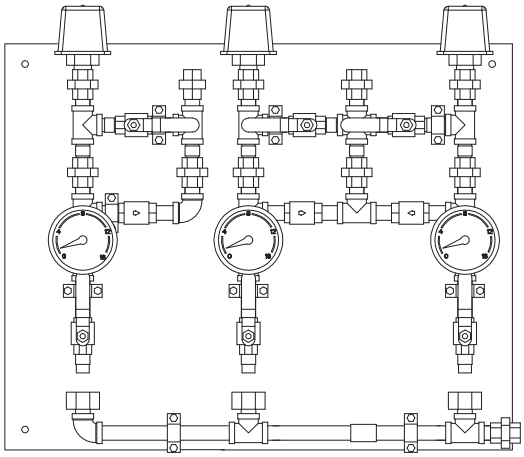
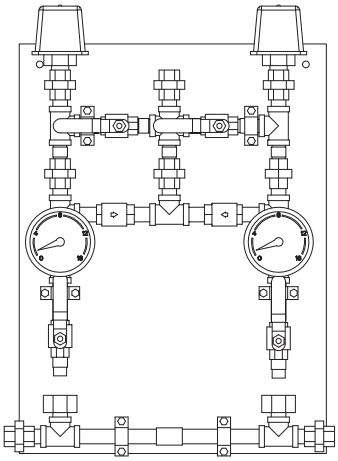
Pump Initiation Board

VPB

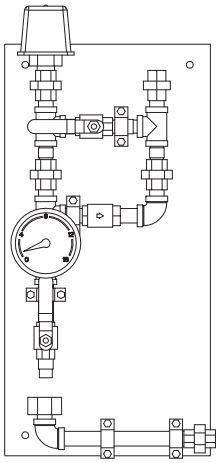
Flow Devices



2-Way Main Pump & Jockey



1-Way Main Pump



1-Way Jockey Only

Pump Initiation Board - VPB

Specifications

The Viking pump initiation boards have been designed with the user in mind and include the following features:

- Fully compliant with the EN12845/LPC Rules double switch arrangements
- Unions included allow for servicing of the check valves without the need to de-mount the board
- Common drain with tundishes
- Lockable ball valves
- Market-leading Bailey & Mackey pressure switches (LPCB approved) installed on unions for easy wiring/servicing
- Modular approach allowing flexibility
- Mounted on Aluminium backboards with pre-drilled 10mm mounting holes
- 16 bar Glycerine filled gauges supplied as standard. Can be supplied without for users' own gauges
- Assembled by the same qualified team trimming alarm valves

Pump Initiation Board - VPB

Technical Data

Type	Dimensions (mm/inch)		Reference	Weight (kg)
	Height	Width		
1-Way Main Pump	**600** / 23.6	**450** / 17.7	**VPB1A**	**10.0**
2-Way Main Pump & Jockey	**600** / 23.6	**750** / 29.5	**VPB2A**	**19.0**
1-Way Jockey Only	**600** / 23.6	**300** / 11.8	**VPB3A**	**8.6**

11-08-2016 Datasheet updates datassheet of 28-05-2015 (Modified drawing of VPB1A)

Pump Initiation Board

VPB

Flow Devices

Pump Initiation Board - VPB — Function

The Viking pump initiation board is designed to allow the testing of sprinkler system pump initiation pressure switches in compliance with EN12845 Clause 10.7.5.

The boards are designed such that for each main pump there are two pressure switches and for each jockey pump there is a single switch. Each switch can be isolated such that its function and cut-in pressure can be verified during system servicing. The special arrangement of valves and check valves means that even if all switches are isolated, a drop in system pressure will still allow the pumps to operate.

As an additional safety measure lockable ball valves are used to reduce the risk of them being accidentally closed.

The boards are designed to be modular such that for each additional main pump, another board can be added.

Pump Initiation Board - VPB — Operation

In system operation mode

- Ensure that the upper isolation ball valves are open and ideally locked in this position, this allows the system pressure direct access to the pressure switches
- The lower test ball valves should be closed
- System pressure is shown on the gauges

In test mode

- Close all upper ball valves
- For each switch in turn, slowly open the associated lower test ball valve to allow the trapped pressure to be released to drain
- Monitor the pressure on the switch pressure gauge and record the pressure at which the switch activates and the pump starts
- Close the lower test ball valve
- Repeat for the other switches
- When all switches have been tested, ensure all lower test ball valves are closed and then open all the upper isolation ball valves and lock in the open position
- *NOTE*: if there is a system activation during test, or if the main ball valves are left closed then the inclusion of the check valves will allow a system pressure drop to activate the switches.

11-08-2016 Datasheet updates datassheet of 28-05-2015 (Modified drawing of VPB1A)