

Alarm Valve Booster Pumps

We manufacture a range of Alarm Valve Booster Pumps for sprinkler systems that run off the water mains pressure.

This compact unit (since 2014, only 600 x 400mm) automatically boosts the town's mains pressure when required, controlling pressure fluctuations in conjunction with the accumulator, thus preventing false trips of the alarm valve.

The alarm valve booster pump is fitted as standard with an 8-litre accumulator, designed to prolong the life of the pump by eliminating unnecessary motor stops/starts, and allowing the pump an extended run when the cut-in pressure is achieved.

9 bar models can now handle a maximum pressure of 25 bar. All units are designed to comply with LPC guidelines, and are fully tested prior to despatch.

Key Features

- Pump motor producing 13lpm@3 bar.
- On-delay timer (400v models must have neutral for a 230v supply) to limit the number of pump starts, prolonging its life and preventing overheating.
- Bailey & Mackey 1381v pressure switch, 14 or 28 bar.
- Starter with thermal overload and min 1m flex.
- Filtered Inlet valve, gate outlet and test valves included. (½"BSPT/15mmNB).
- Outlet ½"BSPT/15mmNB with 4mm orifice.
- Test ½"BSPT/15mmNB with 2mm orifice.
- Spring check valve to prevent backflow.
- Glycerine filled pressure gauge (16 or 25 bar) with no loss connector.
- Polypropylene board and Unistrut mounted for direct wall mounting.



Data Table

Description	Model	Volt/Ph	kW/hp	Max press
Single phase, mains +4 bar pressure	AVBP/S.AC/4BAR	230/1	0.4/0.5	10 bar
Single phase, mains +9 bar pressure	AVBP/S.AC/9BAR	230/1	0.5/0.7	25 bar
Three phase*, mains +4 bar pressure	AVBP/T.AC/4BAR	400/3	0.4/0.5	10 bar
Three phase*, mains +9 bar pressure	AVBP/T.AC/9BAR	400/3	0.5/0.7	25 bar

*3-phase models require a neutral supply for the on-delay timer 230v connection.

Assemblies can be manufactured without accumulator if required.

A full range of spare or replacement parts is available.

The standard models are shown above; please contact us if you require something different – we pride ourselves on our responsiveness, flexibility and quality and are therefore happy to manufacture to your own requirements wherever possible.