

FLO - SENSE FS150. Flow sensitive pump controller



TECHNICAL DATA:

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|-------------------------|-------------------------------------------------------|
| Power supply: | 230v or 110v. 50 or 60 Hz. Voltage tolerance +/- 10%. |
| Max switching current: | 10 amps |
| Max total pressure: | 8 bar |
| Max liquid temperature: | 65°c |
| Max capacity: | 80 Litres/min |
| Start flow: | 0.6 Litres/min |
| Connections: | 1" BSP male |
| Protection: | IP65 |

FEATURES

The FS150 controller is designed to automate the operation of an electric pump by sensing the water movement in systems that have some flow due to gravity. The opening of a tap/valve will cause a small flow of water that is detected by the unit and the pump is started, closing the tap will stop the water flow and the pump stops.

Note: For systems that have no or insufficient gravity flow the BRIO2000M controller should be used.

The unit will also protect the pump from dry running in the event of water supply failure.

The FS150 is designed for use on clean water (if there is the possibility of sediment, a suitable filter should be installed before the unit). Made from brass, it can be used for a variety of domestic and commercial water-boosting applications providing there is a positive head. For correct operation the system must have a minimum height difference of 100mm between the supply tank water head and the tap (or showerhead etc.) at the point of use.

FS150 controllers are suitable for use in pairs to operate shower pumps on hot (max 65°c) and cold supplies, subject to the maximum electrical load (10 amps) not being exceeded. They should be connected together in parallel.

INSTALLATION

Mechanical:

The FLO-SENSE unit is normally fitted directly onto the outlet of the pump although it is acceptable to fit it into the pipework anywhere between the pump and the first outlet. The unit **MUST** be installed vertically, it is essential that the correct direction of flow (arrowed on the body of the unit) is observed. It should not be used for any installation where the unit may be subject to more than 8 bar pressure.

Electrical:

FS150 is maintenance free and requires no initial setting up or adjustment.

Manufactured in Europe to the highest quality standards it is CE and TUV certificated.