

Autoquench

Notes

Residential Sprinklers – Self Build notes

Residential sprinklers can be designed as partial (to protect particular parts of buildings such as escape routes), or full systems, where the entire habitable parts of the building are protected.

Autoquench offer a design, supply and supervision/commissioning service for those wishing to arrange their own installation.

The ideal time to install the pipe work into new property, is at the same time as other services are being fitted.

Design

You supply the drawings, and we will calculate the water pressure and flow requirements. We will also identify the locations of each sprinkler head, and quote the costs of the required components on a self install basis.

We recommend a separate water feed to the sprinklers, as these systems require an un-metered supply. We will advise on the size of service required, but you should speak to your local water authority before starting, and tell them of your plans. Some Water Authorities may have specific requirements that you must comply with, and many require notification that residential systems are to be fitted.

Supply

We supply a complete set of parts except for pipe, and including the valve set required for connection to the main feed, the concealed sprinkler heads, and the alarm control panel and sounders for inside and outside the building. Pipe is easily available and can be obtained locally from your regular plumbers merchant (although we do specify the type and size as part of our design package). For most domestic situations we recommend copper pipe work.

Installation

Installation is straight forward, but requires good plumbing skills. The positioning and fixing of the sprinkler heads is important, as is the correct sizing of pipe work. Full instructions are supplied. The alarm system operates from a flow switch, which is connected to a low voltage power supply. All electrical work should be carried out by a suitable qualified electrician, and all metal pipe work correctly earth bonded.

Commissioning

We offer a commissioning service to inspect and test the installation to ensure that the system conforms to the design requirements. If BS9251 certification is required, certificates will be issued on the successful completion of this inspection and test phase.

Certificates can only be issued by qualified personnel, and we sometimes use independent inspectors for this purpose.