



Project(s)

42 Bar TYCO Sapphire NOVEC 1230



Client(s)

Formula 1

Leading F1 Teams' new facility protected by Bryland Fire using revolutionary 42 Bar Tyco Sapphire NOVEC 1230 technology

When Bryland Fire were charged with protecting the new Test Area of a newly, purpose built, UK F1 testing facility, the natural thought with the recent announcements on the restriction in manufacturing of FM200 (HFC227ea), was to use NOVEC 1230 from 3M. With its 20 year Blue Sky guarantee, 3M guarantee that there will be no restriction on its use for a minimum of the next 20 Years.

The next challenge for Bryland was a technical one. The customer requested that the cylinders be located in a basement cylinder store below the area that is protected. With a standard 24 Bar NOVEC system this gave problems with the pipe lengths that are possible and nozzle coverage, so TYCO used their 42 Bar Sapphire NOVEC 1230 system. The largest 42 Bar system that they have supplied in the country no less!

14 Cylinders of NOVEC 1230 gas with almost 2400 Kg of NOVEC 1230 were installed, all with their own individual pipework system and discharging nozzles, covering the Test Cell area and also the basement cylinder store. This was combined with conventional "coincidence" Smoke Detection to activate the NOVEC 1230 discharge and protect the space and the future of the team!

Bryland's Project Manager, Stewart Houghton, has almost 30 years experience in the Fire Suppression Industry – and commented about this project :-

"Working for this customer, in this application, could be called the project of a lifetime, and Bryland took it in our stride. The 42 Bar Tyco Sapphire NOVEC 1230 system was a massive help and it gave us the option of much longer pipe runs when considering the cylinder positions - especially when the cylinders are in the basement! A very exacting client made this a thoroughly enjoyable and challenging project"

With the new season coming soon, we at Bryland wish them the best of luck in the championship !

The key advantages of the 42 Bar Tyco Sapphire NOVEC 1230 system are:-

- 42 Bar system pressure gives much more flexible pipework and nozzle layouts as well as cylinder positions.
- NOVEC 1230 has the 3M 20 year Blue Sky Warranty which future proofs the Suppressant gas choice
- NOVEC 1230 is a much greener, more compact and much more effective suppressant gas. The next generation after CFC's.

With nearly 50 years' experience, Bryland Fire Protection are based in Dudley in the West Midlands and are specialists in all things Fire related from Alarms and Extinguishers through to Fire Suppression, Servicing and Training. They can be reached on **01384 573350** or at **sales@brylandfire.co.uk**.

