

A 70 Bar
Pressure System

Allowing for fill
densities up to
1.4 kg/l, resulting
in a reduced number
of containers

Improved Fire Safety

Johnson Controls' pioneering
SAPPHIRE PLUS gaseous system
provides fast acting fire
suppression in the protection
of high value assets.

Compliance



UL listed, FM
approved and
EN compliant

Allows complete
confidence in its fire
suppression capability

Pipes

Extended pipe
runs above
100 metres

Containers can be stored
further away from the
protected space

Temperature

Extended temperature
range up to **65°C**

Ideal for the protection
of high value assets

Software



In house development

Single platform for estimating, bills of materials
and hydraulic flow calculations, providing
unparalleled accuracy in system configuration
and design

Platform

Developed
on one **single
global platform**

No need to switch
equipment
between regions



Design

A smaller footprint
with an option for
multi-hazard protection



**System
suppresses
fire rapidly**

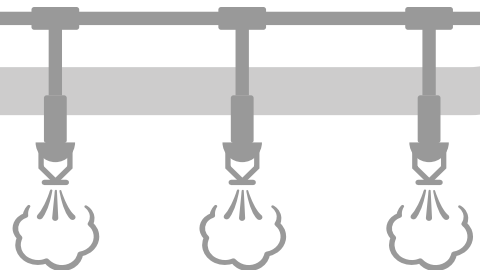
Ensuring less damage,
meaning reduced
downtime and
refurbishment costs

Health & Safety

Suppression

Uses **3M™ Novec™ 1230** Fire Protection Fluid

Vapourises on discharge, totally flooding the
enclosure and absorbing heat to suppress the fire



<https://www.linkedin.com/company/tyco-fire-protection>

https://twitter.com/JCI_Buildings

<https://www.youtube.com/user/TycoFPPemea>

For more information on the SAPPHIRE® PLUS system
and to try our interactive tool, visit sapphireplus.com

**Johnson
Controls**

