

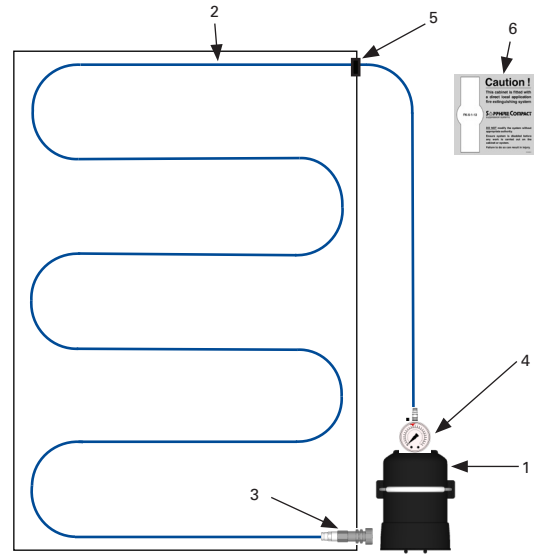
SAPPHIRE® COMPACT Direct Low Pressure Fire Suppression System

Description

- Automatic and quick-acting pneumatically actuated fire suppression system with a nominal charge of 15 bar (218 psi) utilizing 3M™ Novec™ 1230 Fire Protection Fluid or FK-5-1-12 agent
- LPS 1666 Certified
- Protects enclosures with vents or forced air ventilation
- Requires no power supply for detection or actuation, remaining operational during power interruptions
- Can protect up to four enclosures with one system
- Highly reliable detection tube, unaffected by dirt, dust, debris, or oil

The following schematic shows a standard installation. The design and installation should be completed in accordance with the ANSUL® SAPPHIRE® COMPACT manual (Part No. PN449902, latest revision).

If multiple enclosures require protection, the risk assessment must assume that a fire can occur in only one protected enclosure at one time.



E000663

Note: The converted values in this document are provided for dimensional reference only and do not reflect an actual measurement.

Safety Data Sheets (SDS) are available at www.FireProductSDS.com.

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Ordering information

Table 1: Ordering information

| Item | Description | Part No. | Quantity (based on typical installation schematic) |
|------|--|-------------|--|
| 1 | SAPPHIRE COMPACT container assembly with 2 kg (4.4 lb) Novec 1230 fluid or FK-5-1-12 agent | 303150001NC | 1 |
| | SAPPHIRE COMPACT container assembly with 2.5 kg (5.5 lb) Novec 1230 fluid or FK-5-1-12 agent | 303150002NC | |
| | SAPPHIRE COMPACT container assembly with 3 kg (6.6 lb) Novec 1230 fluid or FK-5-1-12 agent | 303150003NC | |
| 2 | Detection tube (red) | 304150013 | 10 m (32.8 ft) |
| 3 | End-of-line adaptor with pressure gauge | 304150010 | 1 |
| 4 | Pressure gauge with switch contact (standard) (Contacts closed at nominal charge pressure) | 302150001 | 1 |
| | Pressure gauge with switch contact (optional) (Contacts open at nominal charge pressure) | 302150002 | |
| 5 | Grommet (detection tube) | 304150003 | 1 |
| 6 | Cabinet caution sign | 314150013 | 1 |

Notes: 1. The pressure gauge with switch contact, normal duty container bracket, and cabinet caution sign are included within the container assembly part number.

2. LPS 1666 is limited to enclosures having a maximum volume of 2 m³.

3. Part No. 304150013 quantity is dependent on the fire risk within the enclosure and design assessment by the system designer or installer.

4. The container design is in accordance with EN3.