

## FEATURES

- **AquaGreen XT™ Wet Chemical Fire Suppression Agent**
- **FM Approved**
- **Nickel-Plated Forged Brass Valve**
- **Available Pressure Supervision**
- **Variety of Mounting Options Available**
- **Temperature Range -40°F (-40°C) to 165°F (74°C)**

## DESCRIPTION

Kidde Fire Systems designed the Sentinel LS Wet Chemical System to protect haulers, graders, forestry, waste management machines and trucks, and other vehicles and machines. The LS System employs multiple means of actuation, providing flexibility for how the system is controlled and activated.

The Sentinel LS system utilizes a new fire suppression technology, multi-purpose AquaGreen XT Wet Chemical agent. With fast flame knockdown and chemical interference with the propagation of flame, AquaGreen XT provides excellent class “B” and class “A” suppression. The system can also be used as a secondary securement against re-ignition after a dry chemical discharge.

The LS System utilizes a variety of detection technologies to sense heat or flames produced by fires. Flexible hose layouts provide ease of installation and design. There are two nozzles, the HX nozzle (high proximity) and LX (low proximity), that can be mixed and matched on any system to provide the best fire suppression patterns. The Sentinel LS cylinders and bracketing have met stringent UL 1254 shock and vibration testing, and are fully FM approved.

## SENTINEL LS SYSTEM

### The Cylinders

Standard cylinders are DOT/TC approved welded steel shells, 4BW construction. They are pressurized to 360 PSIG at 70°F (21°C). The valve is forged, nickel plated brass, providing long-term reliability in rugged environments. The valve is a high-flow balanced pressure design, providing flexibility in hose design parameters.

Each cylinder ships with a valve actuator attached. The cylinder can be activated with an electric actuator (protractor device) and/or via pressure. All three actuation ports of the actuator ship with plugs to ensure that water, dirt, and debris do not ingress.



Figure 1. Sentinel LS System

The assemblies are available in two configurations. The first includes a pressure switch that links into the supervisory circuit of the control panel to monitor cylinder pressure. The pressure switch includes two industry-standard Deutsch connectors, providing ease of cabling. The second, more economical configuration, does not include the pressure switch.

**Table 1: Sentinel LS Cylinders**

Cylinder	Description
Sentinel LS-5	Charged with 5 gal. AquaGreen XT 4-nozzle system
Sentinel LS-10*	Charged with 10 gal. AquaGreen XT 8-nozzle system
Sentinel LS-15*	Charged with 15 gal. AquaGreen XT 12-nozzle system
Sentinel LS-20*	Charged with 20 gal. AquaGreen XT 16-nozzle system
*Cylinder includes mounting flange for vertical deck mount; weld flange available.	

**ORDERING INFORMATION**

Part Number	Component
83-130400-005	LS-5 Cyl & Valve Ass'ys, w/ Pressure Switch
83-130400-010	LS-10 Cyl & Valve Ass'ys, w/ Pressure Switch
83-130400-015	LS-15 Cyl & Valve Ass'ys, w/ Pressure Switch
83-130400-020	LS-20 Cyl & Valve Ass'ys, w/ Pressure Switch
83-130401-005	LS-5 Cyl & Valve Ass'ys, w/o Pressure Switch
83-130401-010	LS-10 Cyl & Valve Ass'ys, w/o Pressure Switch
83-130401-015	LS-15 Cyl & Valve Ass'ys, w/o Pressure Switch
83-130401-020	LS-20 Cyl & Valve Ass'ys, w/o Pressure Switch

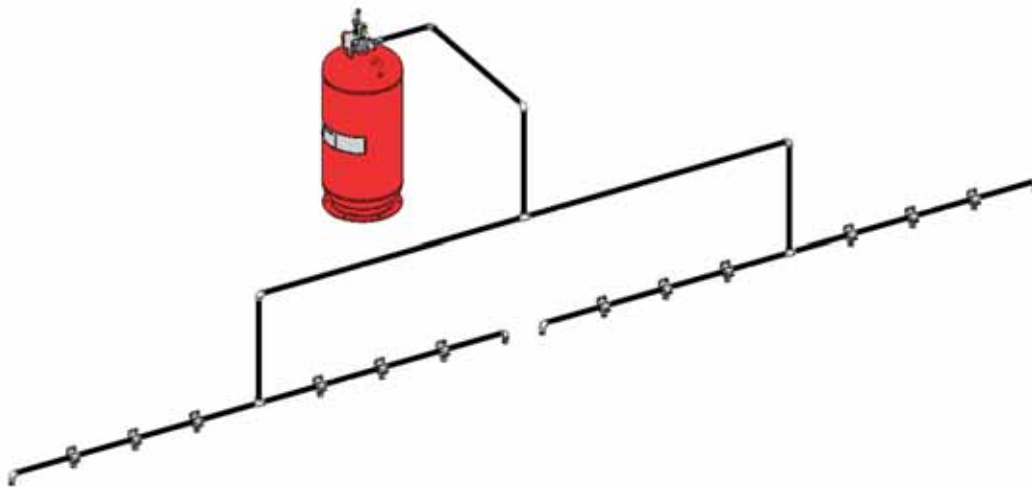


Figure 2. Example of Sentinel LS Hose Layout

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A UTC Fire & Security Company

400 Main Street

Ashland, MA 01721

Ph: 508.881.2000

Fax: 508.881.8920

[www.kiddefiresystems.com](http://www.kiddefiresystems.com)