



# Kidde Fire Systems

## WHDR™ Kitchen Fire Suppression System

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#### For Commercial Cooking Applications

Automatic 24-Hour Protection

The heart and soul of every dining establishment is the kitchen. Equipped with ranges, broilers, fryers and a myriad of other high-temperature cooking appliances, no other environment demands proper fire protection more than today's modern cooking facilities.

The Kidde Fire Systems WHDR™ system is specifically designed for the challenging demands posed by cooking applications. By offering one of the most flexible system configurations in the industry, Kidde Fire Systems provides efficient, economical protection for all types of cooking facilities and design layouts. With appliance-specific and overlapping protection options, our customized approach accommodates your current applications and easily adapts to future appliance line changes.

Investing in a Kidde Fire Systems WHDR system helps to enable more than just code compliance for your business (UL300, UL 1254, NFPA 96 & 17A), it provides automatic, round the clock protection from the devastating consequences of fire.

#### Why Choose the WHDR System?

**Economical.** Cost-effective, pre-engineered system simplifies design and installation.

**Easy-to-maintain.** Semi-annual system inspections and routine maintenance per NFPA regulations are performed quickly and efficiently by your local Kidde Fire Systems distributor.

**Proven Protection.** Providing the best in kitchen fire protection for over 50 years, the Kidde Fire Systems WHDR System is the choice of countless restaurants and cooking facilities worldwide.

**24/7 Support.** Designed, installed and serviced by our factory-trained, global network of Kidde Fire Systems distributors.

**Customized Solution.** System design and installation provided by your local distributor, delivering a superior code-compliant solution which is tailored to your fire protection needs.

**Robust Design.** Meets strict UL 300 fire test criteria, suppressing fire without the need for secondary agent or system connections.

**Reliable.** Every WHDR system is backed by the Kidde Fire Systems warranty.

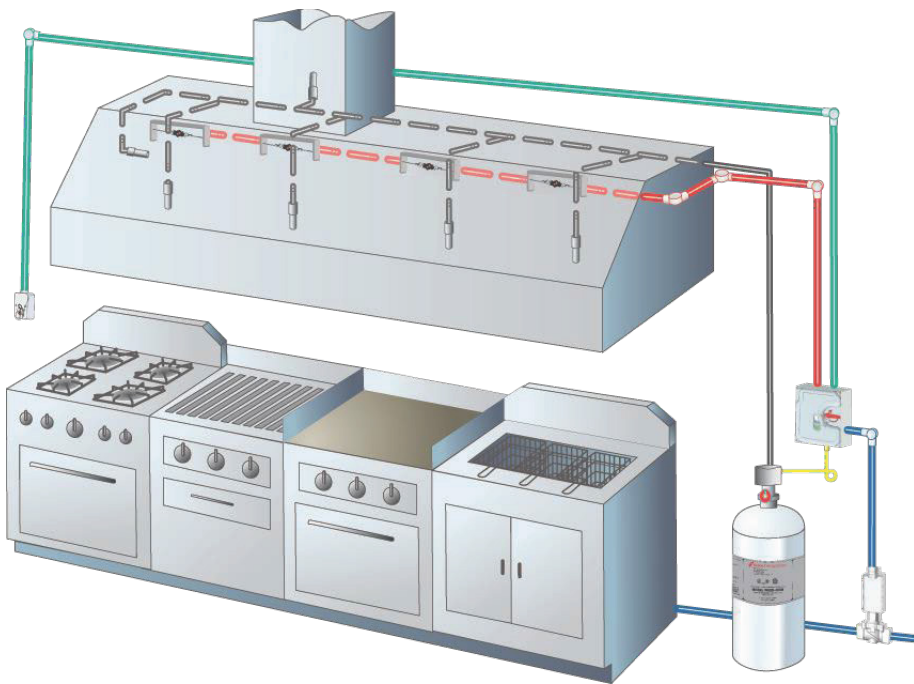


## How Do WHDR™ Wet Chemical Systems Work?

1. Fire is detected by the Kidde Fire Systems mechanical link, or electric Detect-A-Fire® (DAF), or the system is manually activated by a remote pull station.
2. The XV™ Control System simultaneously actuates up to 20 pressurized agent storage containers, shuts down fuel and power sources to the appliances and activates the building fire alarm.
3. The Kidde Fire Systems APC wet chemical agent, designed specifically for the challenges posed by oil and grease in a kitchen environment, is propelled through the system piping by the stored pressure container.
4. The Kidde Fire Systems APC agent discharges from strategically positioned nozzles protecting the hood, duct and appliances. APC agent quickly suppresses the flames and forms a protective layer that not only extinguishes the fire, but also prevents re-ignition.

## WHDR™ System Components:

- XV Control System
- WHDR™ Agent Storage Container
- Thermo Bulb, Fusible Link or DAF Detectors
- Manual Remote Release
- Mechanical or Electric Gas Shut-off Valve
- Customized Discharge Nozzles
- APC Wet Chemical Agent



Kidde-Fenwal, LLC  
400 Main Street  
Ashland, MA 01721, USA

KFI U.K. Limited  
Station Road,  
Bentham, Lancaster, LA2 7NA

Kiddel Technologies  
Survey No. 28/2, 44/2 and 45  
Rasyani, Dandapta Road  
Raigad Maharashtra-410207, India

[www.kiddefenwal.com](http://www.kiddefenwal.com) | 508.881.2000

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## Customers Protected:

- Casual & Family Dining
- Corporate Cafeterias
- Diners
- Educational Facilities
- Fast Food Chains
- Fine Dining
- Healthcare Facilities
- Hotels & Lodging
- Institutional Facilities
- Marine Galleys
- Nursing Homes
- Shopping Mall Food Courts
- Sports Stadiums and Complexes
- Supermarkets & Groceries

## Applications Protected:

- Hoods, Plenums & Filters
- Duct Work
- Fryers
- Ranges
- Char-broilers
- Woks
- Griddles
- Salamanders
- Tilt Skillets
- and more...

## Approvals & Listings:

- UL/ULC Listed to UL 300 & UL 1254
- NFPA 96 & 17A Compliant
- NYC Fire Department (COA #5946)
- ABS Type Approved
- DNV Type Approved
- Lloyd's Register Type Approved

 **KiddeFenwal**

Sell Sheet SS K-202