

DENLAR FIRE PROTECTION™

At the Center of Every Safe-Cooking Space

HEALTH CARE FIRE SAFETY



**Are your
residents
safe?**

NFPA101 Life Safety & I-Code Compliant



DENLAR
FIRE PROTECTION

Proud USA
Manufacturer

PROTECT AGAINST THE #1 SOURCE OF NURSING HOME FIRES

Fires in nursing and rehab facilities have the potential for devastating outcomes, with a disproportionate number of injuries suffered during fires in these settings. According to the NFPA, fires in nursing homes cause approximately 108 injuries a year.¹

NFPA Research on Structure Fires in Health Care Facilities states that almost half (48%) of all fires in medical facilities (2011-2015) took place in nursing facilities. 68% of these fires being caused by cooking equipment.¹

Fire prevention begins with safe practices. Minimize risks to residents and patients by ensuring proper precautions are in place. Ensure at least one class K fire extinguisher is present in the cooking facility, and a fire alarm and sprinkler system are installed. A fire suppression hood, equal in width to the cooking surface, can help ensure fire containment and protect everyone within the facility.

¹ Structure Fires in Health Care Facilities, 10/17, NFPA, Research, Quincy, MA

"Cooking equipment was the leading cause of fires in all health care properties (66%)."¹

Where Can **DENLAR**TM Help Save Lives?

Denlar offers the **ONLY** fail-safe, fully engineered & integrated UL300A compliant system on the market!

-  Staff Break Room
-  Dining Area Communal Kitchen
-  Primary Cooking Facility*
-  Occupational Therapy
-  Assisted Living Apartments
-  Family Lodging

*When not for profit. Check with local code



Denlar Hoods are available with a variety of options, including ADA-compliant handicap accessible controls and pull stations for manual deployment of suppressant.



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DENLAR™ HOODS & CLOCKBOXES™

✓ Fail-Safe ✓ ETL Listed ✓ UL300A Compliant

Nursing home cooking facilities that produce grease laden vapors (those that cook with meats, grease, butter, oil, etc.) are required by code to install range hoods equipped with an approved automatic fire-extinguishing system. Range hoods must be:

- Pre-engineered and compliant with the UL300A standards.
- Automatically detect and extinguish fires that begin in or around the cooktop or range.
- Kitchen fire suppression systems use a chemical extinguishing agent that is specifically designed for use in suppressing a cooking fire.
- Minimize the potential for re-ignition.
- Provide a means for manual activation of the system.

Denlar is the only system on the market that not only complies with these requirements, but takes safety a step further by ensuring mechanical rather than electronic-dependent actuation.

UL300A Pre-Engineered Range Hoods

Denlar Hoods offer an affordable and efficient way to neutralize cooking fires on residential style cooktops and ranges within seconds of ignition.

Both the D1000 Series and DS Series utilize recirculating fans to dissipate heat and failsafe mechanical links to actuate the liquid suppressant when needed.

Added Safety & Control with ClockBoxes

Maximize your fire suppression system with a Denlar ClockBox or ClockBox Pro. Denlar ClockBoxes allow controlled, password protected access to ranges or cooktops, preventing unauthorized cooking. In the event of a fire, ClockBox or Clockbox pro also help prevent re-ignition by switching off the fuel supply to cooktops and ranges.

Multi-Unit Housing & Building Monitoring

Pairing the D1000 hood with the ClockBox Pro provides the enhanced functionality essential for multi-unit housing or multi-use buildings. This combination integrates with remote Building Monitoring Systems, for off site control and trouble shooting at a distance.

UL300 vs UL300A Codes

UL300 is the national standard for Fire Extinguishing Systems for the protection of Commercial Cooking Areas.

UL300A is a subset of UL300. It is a scaled down version of the code intended to protect against fires occurring on residential grade ranges used in public and private settings.



▲ D1000 Series™



DS Series™ ▲



▲ ClockBox Pro™



▲ ClockBox™

HOW IT WORKS

D1000 Hood Series Fire Suppression:

1. Heat builds and first set point is reached
2. Fan will turn on high to dissipate heat
3. If heat continues to build, second switch is activated
4. Fuel source to the range is shut-off
5. Audible internal alarm sounds
6. If heat continues, the fusible link reaches set point
7. Mechanical or manual discharge of the suppression system
8. Fire is extinguished
9. Optional tie-in to a fire-alarm or monitoring system

ClockBox Pro™ Building Monitoring System Integration:

1. Turn on the ClockBox Pro to start cooking on your range
 2. When your building's monitoring system alarms, it sends a signal to the ClockBox Pro
 3. A relay in the ClockBox Pro closes, and sends a signal to the Programmable logic controller (PLC)
 4. The ClockBox Pro stops the timer and powers down the range
- OR...**
5. D1000 Hood detects a fault
 6. ClockBox Pro sends signal to the BMS

Who Uses Denlar™ Hoods?

- Ingleside at King Farm
Ingleside Senior Living
- Garden Villas North Assisted Living
- Natchitoches Community Care Center
- Addington Place at College
Harbor Senior Living
- Aspen Cottage Assisted Living
- Brookdale Senior Living
- Cloverdale Rehab
- Concordis Senior Living
- Currituck County Senior Center
- Douglas Assisted Living
- Gastonia Care & Rehab
- Global Senior Living
- Green Acres Assisted Living
- Kaplan Estates Assisted
Living in Peabody
- Kessler Rehabilitation Center
- Lake Manassas Health & Rehab
- Mill Run Rehab Center
- Miller's Grant / SR. Assisted
Living Job Ellicott City MD
- New Haven Assisted Living
- Olive Branch Health and Rehab Center
- Ortonville Senior Living
- Otranto Senior Center
- Penn Hall Nursing
- Rehab Institute of Chicago
- Saxony Senior Living
- Sentara - Nursing & Rehab Center -
Windermere
- Sentara Chesapeake Nursing Home
- Sentara Nursing & Rehab Ctr
- SMH Rehab
- Spanish Trail Assisted Living
- Travanse Olathe Assisted Living -
- Walla Walla Skilled Nursing
- Walla Walla VA Nursing Facility

DENLAR

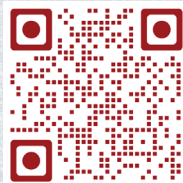
FIRE PROTECTION

Since 2007, Denlar has been engineering, manufacturing, and selling fire suppression range hoods and control systems. Our unique, fail-safe mechanism automatically extinguishes cooktop fires; helping save lives and protect buildings from the number one cause of structural fires in the world. Our ETL listed UL300A compliant system stands alone in that it is mechanically activated and does not rely on a power source - mains or batteries. Proudly manufactured in the USA, our products are centered on the principles of an NFPA96/UL300 Type I system. They meet all the specifications of a Type II system and provide a turnkey, value-for-money solution for commercial buildings, where cooking for profit is not the function of the kitchen.

ETL Listed UL300A Compliant Range Hood with ICC, IMC & UMC Approvals



Find Out More



A Proud USA Manufacturer

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Represented by:

Denlar is part of a collaboration of companies that engineer and manufacture best-in-class and unique products to markets around the world. These include ChapcoInc.com, a specialist sheet-metal fabrication and assembly company; and FastcorpVending.com, robotic state-of-the-art vending machines for regulated and non-regulated products.

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