

HRD

UL300A 30" Wide Exhaust Hoods



Form#: SS206_HRD 30" UL300A Exhaust Hood
Date: 03-2021 - Rev1

The HRD offers an economical solution for providing protection against cooking fires. The commercial grade fire suppression is fully integrated within the hood system, making it an ideal option for any cooking space with a residential style range. The HRD Series hood combines the look of a traditional hood with a suppression system, that is proven effective by using a mechanical system, a wet chemical agent, hardwired disconnect options, and alarm contacts.

Features & Benefits

- HMI touchscreen display
- Stainless Steel finish
- Wall mounted
- Ability to store multiple passwords for multiple users
- Multiple power disconnect options
- May be used as a standalone option or in conjunction with our hood systems

Applications

- Maritime
- Military Housing
- Student Housing
- Managed Care
- Break Rooms
- Housing Authority
- EMS, Fire & Police
- Community Center
- Day/Elder Care
- Church
- Rental House
- Family Life Center
- School Lab
- Amenity Center
- Assisted Living
- Townhouse/Condo
- Life Sciences
- Home Economics
- Multi-Family
- Safety Conscious



HRD

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Features

- Fully Integrated Fire Suppression System
- 30 Inch Wide
- ETL Tested, UL300A & UL507 Compliance
- Gas, Electric, DED, DRD Fuel Source Disconnects
- Mechanical "Fail-Safe" Actuation
- Fuel Source Disconnect Interlock
- Low pH Suppressant Agent (Amerex 660)
- 304 Stainless Steel Hood*
- Gloss White Finish
- Optional Manual Pull Station
- Optional ADA Switch
- ClockBox Compatible
- Front Recirculating & Rear Ventilation**
- Tank Pressure Gauge
- High Pitch Audible Buzzer (90 dB)
- Number of Nozzles (2)
- Number of Alarm Contacts (1)
- Custom Color
- Standard with White Power Coat Finish or Optional Power Coat Finish/Custom Colors
- Standard Warranty Period (2 Years)

*Upon Request (additional charge)

**HRD-D is ducted up to 2FT exhausting through the wall

The Timerbox

The TIMERBOX helps prevent unauthorized cooking and reduces the risk of unattended cooking. It works by disconnecting power to the range until the operator unlocks the system for a pre-set amount of time simply by entering a passcode. In addition to being used as a stand-alone product whether or not a facility is required to monitor the use of the ranges within, the TIMERBOX is an excellent additional source of protection.



Timerbox



Timerbox Pro

HRD

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Product Model Code

How to Build A Hood System

1. **Select Model** – What core model is required – HHR1030 or HHR1036
2. **Select Ventilation Type** – Top vented ducted or front recirculating
3. **Select a Disconnect** – What type of disconnect is required – Electric (E), Gas (G), or Dual Element (DED)?
4. **Select Options** – Do they need an Extended Warranty, Manual Pull Kit, ClockBox or ADA, etc.?

HRD-D-G-CLBX-ADA-MPK-EX

Core Model

HRD = 30" Exhaust Hood

Ventilation

D = Top Vented Ducted
F = Front Recirculating
D-IF = Top Discharging Hood with External Inline Fan

Optional Components

ADA = Handicap Accessible Fan & Light Controls
CLBX = Timerbox
CLBX Pro = Timerbox Pro
CC = Custom Color or Finish
EX = Extended Warranty
MPK = Manual Pull Station

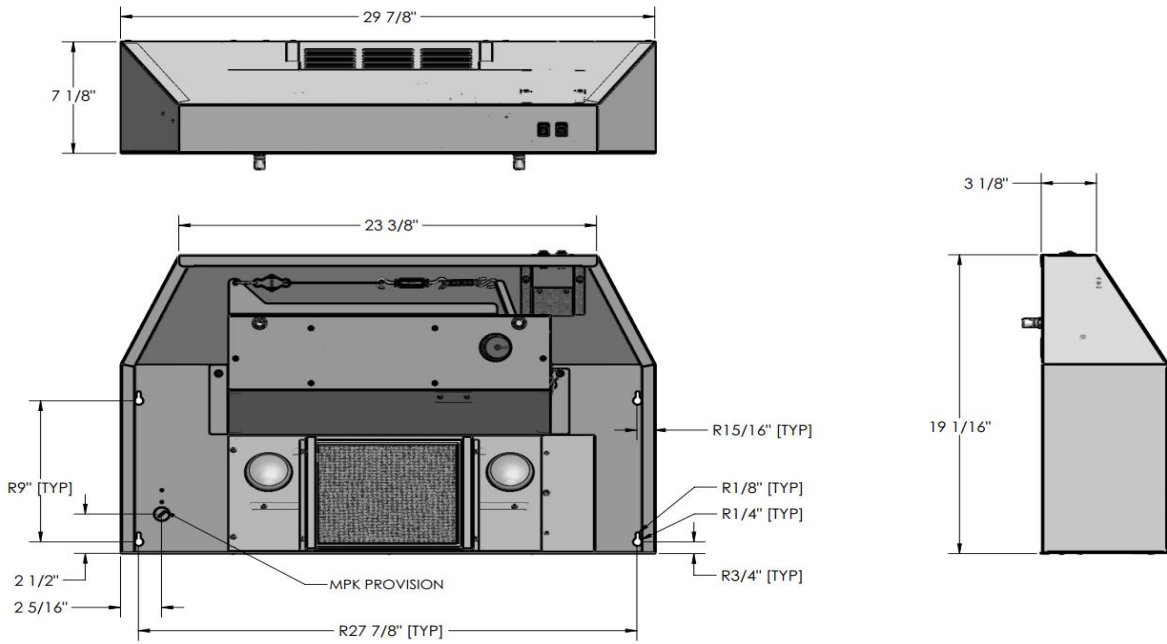
Fuel Source Disconnect

E = Electric Disconnect †
G = Solenoid Gas Valve Disconnect
DED = Dual Element Disconnect †
DRD = Dual Receptacle Disconnect †
† = NEMA selection required

Example: **HDR-D-RF-G-CLBX-ADA-MPK-EX**

HRD 30" Wide Exhaust Hood, Ducted, Gas Disconnect, ClockBox, ADA, Manual Pull Kit & Extended Warranty

Dimensions



COMPLIANCE	COLORS AVAILABLE	MOUNTING CONFIG.	LENGTH (In.)	DEPTH (In.)	HEIGHT (In.)	WEIGHT (Lbs.)	MATERIAL	MOUNTING HEIGHT
UL 300A UL 507	SS, WHITE, BLACK, BISQUE AND OTHERS	WALL	30	19.25	7	33.25	304 SS	MIN.: 18" MAX.: 26"

Specification

Submittals

Submit product data and shop drawings on packaged exhaust hood.

General

- Hood system shall be installed as 300A compliant

Standards of Construction

- A. Hood shall be constructed of 18 gauge minimum, 300 Series stainless steel outer shell. Hood shall be either 30 in. long (to cover 30 in. range). Hood shell shall be manufactured and assembled with no visible outer welds or weld marks. All internal seams shall be sealed with NSF-approved caulk, standard. A metal baffle filter shall be provided. One (1) 60W Incandescent Shatterproof or equivalent LED hood light shall provide lighting on the range below.
- B. Kitchen ventilation hood shall be recirculating or exhaust only, and cover a domestic range in commercial environments used for light duty cooking purposes only. If provided with a fan, the fan shall be UL 507 listed or equivalent. Hood fire suppression shall be listed by ETL to the standards of the UL Subject 300A. Hood shall be configured as wall style (supplied with wall mounting bracket).
- C. Hood shall include factory-installed UL Subject 300A fire suppression system, including environmental monitoring, wire rope, fail-safe fusible links, and mechanical actuation. No electronic detection or actuation shall be accepted. Fire suppression shall be a fail-safe method and consist of three fusible links (212° for 30"; 280° for 36"), temperature switches that monitor the cooking surface and upon reaching the first set-point, send a signal to turn the fan ON, at the second set point sends a signal to maintain the fan ON, while also sending a signal to shut OFF power to the range and sounding a local alarm. When the set point of the fusible links is reached, the tension on the actuator paddle releases pushing down on the actuator of the suppression tank; expelling the wet chemical agent from the pre-charged tank, a signal is sent to shut OFF power to the range and a local and (when connected) building fire alarm will be activated.

Tank pressure shall be monitored using tank pressure switch and a fault will cause the system alarm to beep and the LED status light will simultaneously flash 4 times.

All fire suppression and control components must be easily accessible by dropping the hood into a service position to allow for service without removing the hood from the wall. Thumb screws shall be utilized to hold the hood into place for normal operation. No latches are acceptable.

- D. Hood system shall include either an electric or gas shut off device that shall be field connected directly to the hood via factory-provided plug and play cables. Prior to fire suppression release, the shut off device shall be responsible for disabling the range upon detecting a high temperature. Gas disconnect (if provided) shall include a 3/4 in. gas valve supplied with plug and play cable, and a 120VAC control receptacle is available upon request. Other electric disconnect receptacle types are also available upon request.
- E. User controls shall be provided to control fan, and lights. A hood mounted touchscreen is not acceptable. The status LED and audible alarm may be used to determine any faults within the system. All hood controls must be accessed by switches and potentiometers on the hood itself unless supplied with an ADA Switch with factory provided plug and play cable or controlled in conjunction with a touchscreen that is mounted remotely.
- F. The hood system shall be configured with either a factory-supplied integral fan, factory-supplied external fan, or fan by others. Integral fan options include either front recirculating or rear discharge. Front recirculating style shall include an easily accessible charcoal filter and opening in the front of the hood for filtering the exhaust air before discharging back into the space. Rear discharge shall direct the air to exit the back of the hood, to discharge through a wall to the outside. External fan options include either a factory-provided inline fan (with plug and play cable), wall mount fan, roof fan or fan by others option with a top discharge hood configuration. Top discharge shall direct the air to exit the top of the hood, to discharge through a roof or wall to the outside. All factory provided fan options shall be listed to UL507 standards.

- G. Dry contacts are provided standard for integration to building alarm systems.
- H. Check, Test and Balance:
 - 1. The kitchen exhaust system shall be inspected, tested and balanced by a qualified contractor. The contractor shall ensure proper and satisfactory operation of the kitchen exhaust system and shall provide a written and detailed report of this check, test and startup to the Engineer and Owner.

Execution

The entire packaged kitchen exhaust hood shall be installed by qualified contractors meeting any licensing criteria in the jurisdiction they are installing.

The company has a policy of continuous product development, therefore we reserve the right to modify design and specifications without notice.

For more information, please contact your nearest Halton agency. To find it: www.halton.com