

ICC-ES PMG Product Certificate

PMG-1533



Effective Date: October 2020

This listing is subject to re-examination in one year.

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A Subsidiary of the International Code Council®

CSI: DIVISION: 23 00 00—HEATING, VENTILATING, AND AIR-CONDITIONING(HVAC)
Section: 23 38 00—Ventilation Hood

Product certification system:

The ICC-ES product certification system includes testing samples taken from the market or supplier's stock, or a combination of both, to verify compliance with applicable codes and standards. The system also involves factory inspections, and assessment and surveillance of the supplier's quality system.

Product: Fire Ready Residential Range Hood

Listee: Accurex LLC
400 Ross Ave., Facility 1
Schofield, Wisconsin 54476
www.guardianssi.com

Compliance with the following codes:

2021, 2018, 2015, 2012 and 2009 *International Mechanical Code*® (IMC)
2018, 2015, 2012 and 2009 *International Fire Code*® (IFC)
2021, 2018, 2015, 2012 and 2009 *Uniform Mechanical Code*® (UMC)*
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Compliance with the following standards:

ICC-ES LC1031-2012, PMG Listing Criteria for Exhaust Type II Hood with an integrated fire suppression system for domestic cooking appliances in commercial applications
UL 300A (Ed. 3), Extinguishing System Units for residential top cooking surfaces,
UL 507 (Ed. 9), Standard for Electric Fans

Identification:

Accurex and Greenheck's Fire Suppression Range Hoods shall be marked with:

- manufacturer's recognized name or trademark
- in case of private labeling, the name, trademark, or other mark of the customer for whom the hood was manufactured.
- product name for the equipment qualified for use with each exhaust Type II hood with an integrated fire suppression system.
- the ICC-ES PMG listing mark

Installation:

Accurex XRRS and Greenheck GRRS Fire Suppression Range Hoods shall be installed in accordance with the manufacturer's instructions and applicable codes.

Model:

The Accurex XRRS and Greenheck GRRS is a Fully Integrated, Self-Contained Fire Suppression Range Hood for Residential Appliances for use in protecting residential-grade appliances when used in public or otherwise (quasi-) commercial spaces.

The Accurex XRRS and Greenheck GRRS and is constructed with 304 stainless steel or 430 Stainless steel, having a fire suppression system pre-engineered into the design of the hood, including monitored electronic detection and actuation. The system uses a wet chemical agent and has been tested and demonstrated to conform to UL subject 300A. The Accurex XRRS and Greenheck GRRS may also include a centrifugal fan, tested and demonstrated to conform to UL 507.

Fire suppression consists of two mounted metal-housed temperature sensors that monitor the cooking surface and upon reaching set-point, send a signal back to the main fire system control board, which activates the tank solenoid valve and expels the wet chemical from a pre-charged tank responsible for suppressing the fire. Tank pressure shall be monitored using tank pressure sensor and a fault must be displayed on the user interface if low pressure is detected.

The hood system includes either an electronic or gas shut off device that shall be field connected back 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" gas valve supplied with plug and play cable and a 115VAC control receptacle. Electric disconnect (if provided) shall include a 4-prong 250VAC 50A power receptacle.

Hood systems selected with optional NFPA 101 compliance, will include a 500 CFM fan, locked (password protected) appliance disconnect with timed-automatic range deactivation, and manual pull station.

The hood system is configured with a factory-supplied integral fan, or a factory-supplied external fan. Integral fan discharge 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 through 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) 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 include energy efficient electrically commutated motors (ECM) standard.

When preemptive shutdown occurs, the system and the cooking equipment will not come back on-line until the Accurex XRRS and Greenheck GRRS are reset.

The Accurex XRRS and Greenheck GRRS are available in multiple ducting sizing calibrations, 30" and 36" sizes.

| Accurex Model | Greenheck Model | Width (inch) | Configuration | Ventilation | Range Disconnect Type | External Fan Type | NFPA 101 Compliance |
|-------------------|-------------------|--------------|---------------|------------------------------------|-----------------------|-------------------|---------------------|
| XRRS-W-30-F-E-O-N | GRRS-W-30-F-E-O-N | 30 | Wall | Integral Fan – Front Recirculating | Electric | Fan by others | No |
| XRRS-W-30-F-E-O-X | GRRS-W-30-F-E-O-X | 30 | Wall | Integral Fan – Front Recirculating | Electric | Fan by others | Yes |
| XRRS-W-30-F-E-D-N | GRRS-W-30-F-E-D-N | 30 | Wall | Integral Fan – Front Recirculating | Electric | Inline Duct | No |
| XRRS-W-30-F-E-D-X | GRRS-W-30-F-E-D-X | 30 | Wall | Integral Fan – Front Recirculating | Electric | Inline Duct | Yes |
| XRRS-W-30-F-G-O-N | GRRS-W-30-F-G-O-N | 30 | Wall | Integral Fan – Front Recirculating | Gas | Fan by others | No |
| XRRS-W-30-F-G-O-X | GRRS-W-30-F-G-O-X | 30 | Wall | Integral Fan – Front Recirculating | Gas | Fan by others | Yes |
| XRRS-W-30-F-G-D-N | GRRS-W-30-F-G-D-N | 30 | Wall | Integral Fan – Front Recirculating | Gas | Inline Duct | No |
| XRRS-W-30-F-G-D-X | GRRS-W-30-F-G-D-X | 30 | Wall | Integral Fan – Front Recirculating | Gas | Inline Duct | Yes |
| XRRS-W-30-R-E-O-N | GRRS-W-30-R-E-O-N | 30 | Wall | Integral Fan – Rear Discharge | Electric | Fan by others | No |
| XRRS-W-30-R-E-O-X | GRRS-W-30-R-E-O-X | 30 | Wall | Integral Fan – Rear Discharge | Electric | Fan by others | Yes |
| XRRS-W-30-R-E-D-N | GRRS-W-30-R-E-D-N | 30 | Wall | Integral Fan – Rear Discharge | Electric | Inline Duct | No |

| | | | | | | | |
|-------------------|-------------------|----|------|------------------------------------|----------|---------------|-----|
| XRRS-W-30-R-E-D-X | GRRS-W-30-R-E-D-X | 30 | Wall | Integral Fan – Rear Discharge | Electric | Inline Duct | Yes |
| XRRS-W-30-R-G-O-N | GRRS-W-30-R-G-O-N | 30 | Wall | Integral Fan – Rear Discharge | Gas | Fan by others | No |
| XRRS-W-30-R-G-O-X | GRRS-W-30-R-G-O-X | 30 | Wall | Integral Fan – Rear Discharge | Gas | Fan by others | Yes |
| XRRS-W-30-R-G-D-N | GRRS-W-30-R-G-D-N | 30 | Wall | Integral Fan – Rear Discharge | Gas | Inline Duct | No |
| XRRS-W-30-R-G-D-X | GRRS-W-30-R-G-D-X | 30 | Wall | Integral Fan – Rear Discharge | Gas | Inline Duct | Yes |
| XRRS-W-30-T-E-O-N | GRRS-W-30-T-E-O-N | 30 | Wall | External Fan – Top Discharge | Electric | Fan by others | No |
| XRRS-W-30-T-E-O-X | GRRS-W-30-T-E-O-X | 30 | Wall | External Fan – Top Discharge | Electric | Fan by others | Yes |
| XRRS-W-30-T-E-D-N | GRRS-W-30-T-E-D-N | 30 | Wall | External Fan – Top Discharge | Electric | Inline Duct | No |
| XRRS-W-30-T-E-D-X | GRRS-W-30-T-E-D-X | 30 | Wall | External Fan – Top Discharge | Electric | Inline Duct | Yes |
| XRRS-W-30-T-G-O-N | GRRS-W-30-T-G-O-N | 30 | Wall | External Fan – Top Discharge | Gas | Fan by others | No |
| XRRS-W-30-T-G-O-X | GRRS-W-30-T-G-O-X | 30 | Wall | External Fan – Top Discharge | Gas | Fan by others | Yes |
| XRRS-W-30-T-G-D-N | GRRS-W-30-T-G-D-N | 30 | Wall | External Fan – Top Discharge | Gas | Inline Duct | No |
| XRRS-W-30-T-G-D-X | GRRS-W-30-T-G-D-X | 30 | Wall | External Fan – Top Discharge | Gas | Inline Duct | Yes |
| XRRS-W-36-F-E-O-N | GRRS-W-36-F-E-O-N | 36 | Wall | Integral Fan – Front Recirculating | Electric | Fan by others | No |
| XRRS-W-36-F-E-O-X | GRRS-W-36-F-E-O-X | 36 | Wall | Integral Fan – Front Recirculating | Electric | Fan by others | Yes |
| XRRS-W-36-F-E-D-N | GRRS-W-36-F-E-D-N | 36 | Wall | Integral Fan – Front Recirculating | Electric | Inline Duct | No |
| XRRS-W-36-F-E-D-X | GRRS-W-36-F-E-D-X | 36 | Wall | Integral Fan – Front Recirculating | Electric | Inline Duct | Yes |
| XRRS-W-36-F-G-O-N | GRRS-W-36-F-G-O-N | 36 | Wall | Integral Fan – Front Recirculating | Gas | Fan by others | No |
| XRRS-W-36-F-G-O-X | GRRS-W-36-F-G-O-X | 36 | Wall | Integral Fan – Front Recirculating | Gas | Fan by others | Yes |
| XRRS-W-36-F-G-D-N | GRRS-W-36-F-G-D-N | 36 | Wall | Integral Fan – Front Recirculating | Gas | Inline Duct | No |
| XRRS-W-36-F-G-D-X | GRRS-W-36-F-G-D-X | 36 | Wall | Integral Fan – Front Recirculating | Gas | Inline Duct | Yes |
| XRRS-W-36-R-E-O-N | GRRS-W-36-R-E-O-N | 36 | Wall | Integral Fan – Rear Discharge | Electric | Fan by others | No |
| XRRS-W-36-R-E-O-X | GRRS-W-36-R-E-O-X | 36 | Wall | Integral Fan – Rear Discharge | Electric | Fan by others | Yes |
| XRRS-W-36-R-E-D-N | GRRS-W-36-R-E-D-N | 36 | Wall | Integral Fan – Rear Discharge | Electric | Inline Duct | No |
| XRRS-W-36-R-E-D-X | GRRS-W-36-R-E-D-X | 36 | Wall | Integral Fan – Rear Discharge | Electric | Inline Duct | Yes |
| XRRS-W-36-R-G-O-N | GRRS-W-36-R-G-O-N | 36 | Wall | Integral Fan – Rear Discharge | Gas | Fan by others | No |
| XRRS-W-36-R-G-O-X | GRRS-W-36-R-G-O-X | 36 | Wall | Integral Fan – Rear Discharge | Gas | Fan by others | Yes |
| XRRS-W-36-R-G-D-N | GRRS-W-36-R-G-D-N | 36 | Wall | Integral Fan – Rear Discharge | Gas | Inline Duct | No |
| XRRS-W-36-R-G-D-X | GRRS-W-36-R-G-D-X | 36 | Wall | Integral Fan – Rear Discharge | Gas | Inline Duct | Yes |
| XRRS-W-36-T-E-O-N | GRRS-W-36-T-E-O-N | 36 | Wall | External Fan – Top Discharge | Electric | Fan by others | No |
| XRRS-W-36-T-E-O-X | GRRS-W-36-T-E-O-X | 36 | Wall | External Fan – Top Discharge | Electric | Fan by others | Yes |
| XRRS-W-36-T-E-D-N | GRRS-W-36-T-E-D-N | 36 | Wall | External Fan – Top Discharge | Electric | Inline Duct | No |
| XRRS-W-36-T-E-D-X | GRRS-W-36-T-E-D-X | 36 | Wall | External Fan – Top Discharge | Electric | Inline Duct | Yes |
| XRRS-W-36-T-G-O-N | GRRS-W-36-T-G-O-N | 36 | Wall | External Fan – Top Discharge | Gas | Fan by others | No |

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|-------------------|-------------------|----|--------|------------------------------------|----------|---------------|-----|
| XRRS-W-36-T-G-O-X | GRRS-W-36-T-G-O-X | 36 | Wall | External Fan – Top Discharge | Gas | Fan by others | Yes |
| XRRS-W-36-T-G-D-N | GRRS-W-36-T-G-D-N | 36 | Wall | External Fan – Top Discharge | Gas | Inline Duct | No |
| XRRS-W-36-T-G-D-X | GRRS-W-36-T-G-D-X | 36 | Wall | External Fan – Top Discharge | Gas | Inline Duct | Yes |
| XRRS-I-30-F-E-O-N | GRRS-I-30-F-E-O-N | 30 | Island | Integral Fan – Front Recirculating | Electric | Fan by others | No |
| XRRS-I-30-F-E-O-X | GRRS-I-30-F-E-O-X | 30 | Island | Integral Fan – Front Recirculating | Electric | Fan by others | Yes |
| XRRS-I-30-F-E-D-N | GRRS-I-30-F-E-D-N | 30 | Island | Integral Fan – Front Recirculating | Electric | Inline Duct | No |
| XRRS-I-30-F-E-D-X | GRRS-I-30-F-E-D-X | 30 | Island | Integral Fan – Front Recirculating | Electric | Inline Duct | Yes |
| XRRS-I-30-F-G-O-N | GRRS-I-30-F-G-O-N | 30 | Island | Integral Fan – Front Recirculating | Gas | Fan by others | No |
| XRRS-I-30-F-G-O-X | GRRS-I-30-F-G-O-X | 30 | Island | Integral Fan – Front Recirculating | Gas | Fan by others | Yes |
| XRRS-I-30-F-G-D-N | GRRS-I-30-F-G-D-N | 30 | Island | Integral Fan – Front Recirculating | Gas | Inline Duct | No |
| XRRS-I-30-F-G-D-X | GRRS-I-30-F-G-D-X | 30 | Island | Integral Fan – Front Recirculating | Gas | Inline Duct | Yes |
| XRRS-I-30-R-E-O-N | GRRS-I-30-R-E-O-N | 30 | Island | Integral Fan – Rear Discharge | Electric | Fan by others | No |
| XRRS-I-30-R-E-O-X | GRRS-I-30-R-E-O-X | 30 | Island | Integral Fan – Rear Discharge | Electric | Fan by others | Yes |
| XRRS-I-30-R-E-D-N | GRRS-I-30-R-E-D-N | 30 | Island | Integral Fan – Rear Discharge | Electric | Inline Duct | No |
| XRRS-I-30-R-E-D-X | GRRS-I-30-R-E-D-X | 30 | Island | Integral Fan – Rear Discharge | Electric | Inline Duct | Yes |
| XRRS-I-30-R-G-O-N | GRRS-I-30-R-G-O-N | 30 | Island | Integral Fan – Rear Discharge | Gas | Fan by others | No |
| XRRS-I-30-R-G-O-X | GRRS-I-30-R-G-O-X | 30 | Island | Integral Fan – Rear Discharge | Gas | Fan by others | Yes |
| XRRS-I-30-R-G-D-N | GRRS-I-30-R-G-D-N | 30 | Island | Integral Fan – Rear Discharge | Gas | Inline Duct | No |
| XRRS-I-30-R-G-D-X | GRRS-I-30-R-G-D-X | 30 | Island | Integral Fan – Rear Discharge | Gas | Inline Duct | Yes |
| XRRS-I-30-T-E-O-N | GRRS-I-30-T-E-O-N | 30 | Island | External Fan – Top Discharge | Electric | Fan by others | No |
| XRRS-I-30-T-E-O-X | GRRS-I-30-T-E-O-X | 30 | Island | External Fan – Top Discharge | Electric | Fan by others | Yes |
| XRRS-I-30-T-E-D-N | GRRS-I-30-T-E-D-N | 30 | Island | External Fan – Top Discharge | Electric | Inline Duct | No |
| XRRS-I-30-T-E-D-X | GRRS-I-30-T-E-D-X | 30 | Island | External Fan – Top Discharge | Electric | Inline Duct | Yes |
| XRRS-I-30-T-G-O-N | GRRS-I-30-T-G-O-N | 30 | Island | External Fan – Top Discharge | Gas | Fan by others | No |
| XRRS-I-30-T-G-O-X | GRRS-I-30-T-G-O-X | 30 | Island | External Fan – Top Discharge | Gas | Fan by others | Yes |
| XRRS-I-30-T-G-D-N | GRRS-I-30-T-G-D-N | 30 | Island | External Fan – Top Discharge | Gas | Inline Duct | No |
| XRRS-I-30-T-G-D-X | GRRS-I-30-T-G-D-X | 30 | Island | External Fan – Top Discharge | Gas | Inline Duct | Yes |
| XRRS-I-36-F-E-O-N | GRRS-I-36-F-E-O-N | 36 | Island | Integral Fan – Front Recirculating | Electric | Fan by others | No |
| XRRS-I-36-F-E-O-X | GRRS-I-36-F-E-O-X | 36 | Island | Integral Fan – Front Recirculating | Electric | Fan by others | Yes |
| XRRS-I-36-F-E-D-N | GRRS-I-36-F-E-D-N | 36 | Island | Integral Fan – Front Recirculating | Electric | Inline Duct | No |
| XRRS-I-36-F-E-D-X | GRRS-I-36-F-E-D-X | 36 | Island | Integral Fan – Front Recirculating | Electric | Inline Duct | Yes |
| XRRS-I-36-F-G-O-N | GRRS-I-36-F-G-O-N | 36 | Island | Integral Fan – Front Recirculating | Gas | Fan by others | No |
| XRRS-I-36-F-G-O-X | GRRS-I-36-F-G-O-X | 36 | Island | Integral Fan – Front Recirculating | Gas | Fan by others | Yes |
| XRRS-I-36-F-G-D-N | GRRS-I-36-F-G-D-N | 36 | Island | Integral Fan – Front Recirculating | Gas | Inline Duct | No |

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|-------------------|-------------------|----|--------|------------------------------------|----------|---------------|-----|
| XRRS-I-36-F-G-D-X | GRRS-I-36-F-G-D-X | 36 | Island | Integral Fan – Front Recirculating | Gas | Inline Duct | Yes |
| XRRS-I-36-R-E-O-N | GRRS-I-36-R-E-O-N | 36 | Island | Integral Fan – Rear Discharge | Electric | Fan by others | No |
| XRRS-I-36-R-E-O-X | GRRS-I-36-R-E-O-X | 36 | Island | Integral Fan – Rear Discharge | Electric | Fan by others | Yes |
| XRRS-I-36-R-E-D-N | GRRS-I-36-R-E-D-N | 36 | Island | Integral Fan – Rear Discharge | Electric | Inline Duct | No |
| XRRS-I-36-R-E-D-X | GRRS-I-36-R-E-D-X | 36 | Island | Integral Fan – Rear Discharge | Electric | Inline Duct | Yes |
| XRRS-I-36-R-G-O-N | GRRS-I-36-R-G-O-N | 36 | Island | Integral Fan – Rear Discharge | Gas | Fan by others | No |
| XRRS-I-36-R-G-O-X | GRRS-I-36-R-G-O-X | 36 | Island | Integral Fan – Rear Discharge | Gas | Fan by others | Yes |
| XRRS-I-36-R-G-D-N | GRRS-I-36-R-G-D-N | 36 | Island | Integral Fan – Rear Discharge | Gas | Inline Duct | No |
| XRRS-I-36-R-G-D-X | GRRS-I-36-R-G-D-X | 36 | Island | Integral Fan – Rear Discharge | Gas | Inline Duct | Yes |
| XRRS-I-36-T-E-O-N | GRRS-I-36-T-E-O-N | 36 | Island | External Fan – Top Discharge | Electric | Fan by others | No |
| XRRS-I-36-T-E-O-X | GRRS-I-36-T-E-O-X | 36 | Island | External Fan – Top Discharge | Electric | Fan by others | Yes |
| XRRS-I-36-T-E-D-N | GRRS-I-36-T-E-D-N | 36 | Island | External Fan – Top Discharge | Electric | Inline Duct | No |
| XRRS-I-36-T-E-D-X | GRRS-I-36-T-E-D-X | 36 | Island | External Fan – Top Discharge | Electric | Inline Duct | Yes |
| XRRS-I-36-T-G-O-N | GRRS-I-36-T-G-O-N | 36 | Island | External Fan – Top Discharge | Gas | Fan by others | No |
| XRRS-I-36-T-G-O-X | GRRS-I-36-T-G-O-X | 36 | Island | External Fan – Top Discharge | Gas | Fan by others | Yes |
| XRRS-I-36-T-G-D-N | GRRS-I-36-T-G-D-N | 36 | Island | External Fan – Top Discharge | Gas | Inline Duct | No |
| XRRS-I-36-T-G-D-X | GRRS-I-36-T-G-D-X | 36 | Island | External Fan – Top Discharge | Gas | Inline Duct | Yes |

Conditions of Listing:

1. The Accurex XRRS and Greenheck GRRS Fire Suppression Range Hoods recognized in this listing must be installed in accordance with the manufacturer's published installation instructions and the applicable codes.
2. An automatic activation for fire suppression system is required, if provided the manual activation device shall be in accordance with Section 904.11.1 of the IBC.
3. Accurex XRRS and Greenheck GRRS Fire Suppression Range Hoods are not to be used over cooking appliances which are used for commercial purposes when appliances is primarily used for the preparation of food for compensation, trade or services rendered.
4. The Accurex XRRS and Greenheck GRRS Fire Suppression Range Hoods recognized in this listing are manufactured under a quality control program with annual surveillance inspections by ICC-ES.