

The Transition Is Underway

As of January 1, 2026, EPA regulations now require many self-contained commercial ice machines to transition to low-GWP refrigerants such as R290.¹ This primarily impacts: Air- and water-cooled self-contained units under 1,000 lbs/day. Larger systems and remote applications follow on a later timeline.

What You Need To Know

This transition affects more than refrigerant—it impacts how equipment is specified and delivered.

Platform Changes Are Underway

Manitowoc and Koolaire are actively replacing legacy models with R290 platforms across modular, undercounter, and countertop units.¹

Approved Refrigerants

- R290 (Propane-based): GWP of 3, replacing high-GWP refrigerants like R404A (GWP 3920) and R410A (GWP 2090)
- R454B: Approved for larger machines under SNAP Rule 26, which also allows R290 usage above 150 g.
- R410A (GWP 2090): for remote applications taking the place of R404a (GWP 3922)

Shipping Is Different

R290 and R454B units cannot be air shipped due to flammability classification¹

Installation Requirements

- A two-year sell-through window is allowed for air and water-cooled machines manufactured before deadlines.
- All R404A remote systems must be installed before December 31, 2026.

Key Deadlines

January 1, 2026: All self-contained air- and water-cooled ice machines producing less than 1,000 pounds of ice per day must use R290 refrigerant.

December 31, 2026: All R404A remote systems must be installed before this date. No sell-through window applies.

January 1, 2027: Compliance deadline for self-contained units producing 1,000 lbs. or more and remote systems.

Service & Safety Considerations

- R290 is a flammable refrigerant and subject to location-based safety limits
- Public corridors and escape routes (such as hotel hallways) are limited to 114g (4 oz) refrigerant charge
- Units exceeding 114g cannot be installed on essential exit paths
- The iPO300 family is compliant, with a refrigerant charge under 114g.

Training in handling A2L refrigerants is essential.

R290 60 Hz Models

| Indigo NXT Cube | Modular Flake | Modular Nugget | NEO Cube |
|--------------------|---------------------|----------------|---------------|
| iP0600 | RFP0320 | RNP0320 | UP0065/UP0080 |
| iP0300 iP0620 | RFP0620 | RNP0620 | UP140/UP190 |
| iP0420 iP0800 | RFP1300 | RNP1100 | UP0240 |
| iP0450 iP1000 | | | UP0310 |
| iP0500 | | | |
| Undercounter Flake | Undercounter Nugget | Counter Nugget | |
| UFP0200 | UNP0200 | CNP0201 | |
| UFP0350 | UNP0300 | CNP0202 | |



Need Help Navigating The Transition?

We're here to help! Contact your local Don Stevens Territory Manger or Branch Team for:

Available Manitowoc R290 Models | Transition Guidance | Equipment Recommendations

Disclaimer: Regulatory timelines and requirements referenced in this document are based on publicly available information at the time of publication and may be subject to change. Equipment specifications and compliance requirements may vary by manufacturer and equipment model. This document is provided for general informational purposes only.

¹ Manitowoc Ice. EPA Technology Transition Rule: Ice Machines. ² U.S. Environmental Protection Agency. Refrigerant Global Warming Potential (GWP) Reference Table. <https://www.epa.gov/climate-hfcs-reduction/technology-transitions-gwp-reference-table> ³ Manitowoc Ice. R290 Sustainability & Product Overview.

Undercounter Models

| Old Model # | New Model # |
|-------------|-------------|
| UYF0240A | UYP0240A |
| UDF0240A | UDP0240A |
| UDF0240A261 | UDP0240A261 |
| UDF0310A | UDP0310A |
| UDF0310A261 | UDP0310261 |
| URF0310A | URP0310A |
| UYF0310A | UYP0310A |
| UDF0190A | UDP0190A |
| UYF0190A | UYP0190A |
| URF0140A | URP0140A |
| UDF0140A | UDP0140A |
| UDF0240W | UDP0240W |
| UDE0065A | UDP0065A |
| UDE0080A | UDP0080A |
| UYF0140A | UYP0140A |
| UDF0310W | UDP0310W |
| UYF0310W | UYP0310W |
| UYF0240W | UYP0240W |

Koolaire Models

| Old Model # | New Model # |
|---------------|---------------|
| KDT0300A-161 | KDP0300A-161 |
| KDT0420A-161 | KDP0420A-161 |
| KDT0420W-161 | KDP0420W-161 |
| KDT0500A-161 | KDP0500A-161 |
| KDT0500W-161 | KDP0500W-161 |
| KDT1000A-261 | KDP1000A-261 |
| KDT1000W-261 | KDP1000W-261 |
| KYT0400A-161 | KYP0400A-161 |
| KYT0420A-161 | KYP0420A-161 |
| KYT0500A-161 | KYP0500A-161 |
| KYT0500W-161 | KYP0500W-161 |
| KYT0700A-261 | KYP0700A-261 |
| KDT0700W-261 | KDP0700W-261 |
| KYT1000A-261 | KYP1000A-261 |
| KYT1000W-261 | KYP1000W-261 |
| KDF0250A-161B | KDP0250A-161B |

NXT Models

| Old Model # | New Model # |
|---------------|---------------|
| IDT0300A-161 | IDP0300A-161 |
| IDT0300A-161X | IDP0300A-161X |
| IDT0420A-261 | IDP0420A-261 |
| IDT0420AX | IDP0420AX |
| IDT0420A-161 | IDP0420A-161 |
| IDT0450A-161 | IDP0450A-161 |
| IDT0450A-161X | IDP0450A-161X |
| IDT0450W-161 | IDP0450W-161 |
| IDT0450W-161X | IDP0450W-161X |
| IDT0500A-161 | IDP0500A-161 |
| IDT0500A-261 | IDP0500A-261 |
| IDT0500A-161X | IDP0500A-161X |
| IDT0500W-161 | IDP0500W-161 |
| IDT0620A-161 | IDP0620A-161 |
| IDT0620A-161X | IDP0620A-161X |
| IDT0620A-261 | IDP0620A-261 |
| IDT0620W-161 | IDP0620W-161 |
| IDT0750A-261 | IDP0600A-161 |
| IDT0750W-261 | IDP0600W-261 |
| IDT0900A-261 | IDP0800A-261 |
| IDT0900A-261X | IDP0800A-261X |
| IRT0500A-161 | IRP0500A-161 |
| IRT0500W-161 | IRP0500W-161 |
| IRT0620A-161 | IRP0620A-161 |
| IRT0900A-261 | IRP0800A-261 |
| IRT0900W-261 | IRP0800W-261 |
| IYT0300A-161 | IYP0300A-161 |
| IYT0300A-161X | IYP0300A-161X |
| IYT0300A-261 | IYP0300A-261 |
| IYT0300W-161 | IYP0300W-161 |
| IYT0420A-161 | IYP0420A-161 |
| IYT0420A-161X | IYP0420A-161X |
| IYT0420W-161 | IYP0420W-161 |
| IYT0450A-161 | IYP0450A-161 |
| IYT0450A-161X | IYP0450A-161X |
| IYT0450W-161 | IYP0450W-161 |
| IYT0500A-161 | IYP0500A-161 |

NXT Models Cont'd

| Old Model # | New Model # |
|---------------|---------------|
| IYT0500A-161X | IYP0500A-161X |
| IYT0500W-161 | IYP0500W-161 |
| IYT0500A-261 | IYP0500A-261 |
| IYT0620A-161 | IYP0620A-161 |
| IYT0620A-161X | IYP0620A-161X |
| IYT0620W-161 | IYP0620W-161 |
| IYT0620W-261 | IYP0620W-261 |
| IYT0620A-261 | IYP0620A-261 |
| IYT0750A-261X | IYP0600A-161X |
| IYT0750A-261 | IYP0600A-161 |
| IYT0750W-261 | IYP0600W-161 |
| IYT0750W-261 | IYP0600W-261 |
| IYT0900A-261 | IYP0800A-261 |
| IYT0900A-261X | IYP0800A-261X |
| IYT0900W-261 | IYP0800W-261 |
| IYF0900A3 | IYP1000A3 |
| IYT1200A-261 | IYP1000A-261 |
| IYT1200A-261X | IYP1000A-261X |
| IYT1200A-263 | IYP1000A-263 |
| IYT1200W-263 | IYP1000W-263 |

Countertop Models

| Old Model # | New Model # |
|-------------|-------------|
| CNF0201A | CNP0201A |
| CNF0202A | CNP0202A |

Bin Models

| Old Model # | New Model # |
|-------------|-------------|
| LB1760 | F1650 |
| LB1460 | F1325 |
| LB1448 | F1300 |
| LB0730 | F700 |

Filter Models

| Old Model # | New Model # |
|-------------|-------------|
| K00338 | K00540 |
| K00494 | K00538 |
| K00493 | K00537 |
| K00339 | K00541 |
| K00337 | K00542 |
| K00495 | K00539 |

All models are subject to change and all model changes may not be captured due to evolving model change overs. Always contact your local Branch or Territory Manager for the latest changes. REV 04.21.2026