

# BULLETIN

NOVEMBER 21, 2024 | BULLETIN 49-24

TO: All Greenheck US and Latin America Representatives  
FROM: Jay Haferbecker  
Manager, Development Customer Facing Systems  
SUBJECT: CAPS® 4.46 Announcement



**CAPS® 4.46 will be released Monday, December 2 at 3:00 p.m. CST.**

The next time you start CAPS, you will be prompted for the update. Highlights are listed below followed by a link to the full list of CAPS 4.46 changes and videos by business unit.

## HIGHLIGHTS:

### Time-Saving Selections/Features

- New user experience enhancements expanded to:
  - o Fan models USGF, AP (APD, APM, APH), AX Family (inline, upblast, supply, reversible) - [Video](#)
  - o DOAS models RV, RVE, and RVC - [Video](#)
  - o Damper models heavy-duty round control (HCDR), round isolation (HBTR), rectangular backdraft (HB/HPR), and protection (HBS/HTOD)
- Added ability to split marks for Dampers and GRDs – [Video](#)
- GRD model consolidation
- Revised the CSV fan schedules to better simulate an engineer's schedule
- Changed credit card payment process to be fully PCI compliant (Credit card number is entered later in the workflow)

### New & Redesigned Products

- ATUs will be available for Engineers starting January 20, 2025
- Added remaining ATU models (dual ducts, retrofits, and bypass)
- New low-profile Energy Recovery Ventilator model ERVi
- Expanded option offering on roof exhaust and roof supply fan model RSQ

### Availability Updates

- Rep stock adjustments – [Bulletin](#)
- MUA with R-454B now orderable – [Bulletin](#)
- Wall-mounted fan models AER and BAER fabricated steel propeller lead time updated from extended to standard (all sizes)
- Quick-Build (QB) lead time improvements on inline fan model SQ sizes 27-33 and select SQ/KSQ accessories/options

### Efficiency/Code Updates

- Fan Energy Index (FEI) added to CSV fan schedules
- High Wind rating option added to fan models SQ, KSQ, and RSQ

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## FULL LIST OF CHANGES:

- **United State Manufactured Products:**
  - **Fans:**
    - **Axial Fans**
      - Hooded propeller and Fabra hoods have a new High Wind rating Notice of Acceptance number, NOA 23-1122.03
      - Wall-mounted models AER and BAER fabricated steel propeller lead time updated from extended to standard (all sizes)
    - **Ceiling Fans**
      - No changes
    - **Centrifugal Fans - [Video](#)**
      - Plenum models APD, APH, APM
        - Merged into single product node “AP” on the CAPS product tree, allowing all three models to be compared in the same grid
        - Transitioned into new user experience - [Video](#)
      - Blower model USF
        - No longer accepting orders for FC wheel (F1), F3 replacement still available
        - VFD control package: ACS-320 replaced by ACH and ACS-180 where applicable
    - **Commercial Inline and Rooftop Fans - [Video](#)**
      - Quick Build (QB) lead time improvements on inline model SQ sizes 27-33 and select SQ/KSQ accessories/options
      - Mixed flow inline model SQ
        - Added High Wind rating option
        - Performance baffle is available in sizes 7-12
        - New fractional motor sizes added
      - Roof supply model KSQ
        - Added High Wind rating option
        - Expanded fully assembled and shipped sizes
        - SAF model is now obsolete, fully replaced by KSQ
      - Roof supply and exhaust model RSQ
        - Added High Wind rating option
        - Added insulated hood option
      - Roof supply model RSF and roof exhaust model LB will be obsoleted (replaced by RSQ)
    - **Laboratory & FUME Exhaust Fans**
      - Replaced ABB VFDs with Danfoss VFDs on projects selected with a Vektor® system control package
    - **Overhead Fans – High Volume Low Speed (HVLS)**
      - No changes
    - **Power Roof Ventilators and Roof Curbs (PRV)**
      - Sound curb production moved to a new location
        - Impacted models: ATI, ATIP, ATIR, ATS, ATR and ATE
        - No Union Made label will be available
        - Available in galvanized only (no coatings or aluminum)

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- Updated location for stocked dampers from Accessories to Stock Products - [Bulletin](#)
- **Tubular Inline Fans**
  - AX Family (inline, upblast, supply, and reversible) transitioned into new user experience - [Video](#)
  - Models QEI and QEID multiple mark quantity bug fixed
- **Conditioning and Ventilation**
  - **Dedicated Outdoor Air Systems (DOAS)** - [Video](#)
    - New user interface for models RV, RVE, and RVC [Webinar](#)
    - Heat-cool only third-party control configuration
  - **Energy Recovery Ventilator (ERV)** - [Video](#)
    - New ERVi model [Webinar](#)
      - Indoor, low-profile, modular construction
      - Airflow ranges from 300 to 2,500 cfm
      - 1-inch injected foam cabinet
      - EC, direct drive
  - **Kitchen Ventilation Systems (KVS)** - [Video](#)
    - Expanded Amerex® fire suppression to allow for fusible link with Zone Defense systems
    - Amerex® 2.50 gallon tank is now available for hood systems requiring 7 flow points or less
    - Removed Amerex® 6.00 gallon tank based on low historic usage
    - Fixed bug that prevented fans with the new user interface from linking to kitchen controllers
    - Fixed field hook-up distributor selection bug that was resetting fire distributor selections
    - Fixed UDS drawing bug that did not allow drawings to generate when filtered water was included
  - **Make-Up Air (MUA)** - [Video](#)
    - Will accept orders for the new PDX with R454B refrigerant - [Bulletin](#)
    - Updated drawings, wiring diagrams, and sequence of operations for the new PDX offering [Webinar](#)
- **Air Control**
  - **Air Terminal Units (ATU)** - [Video](#)
    - Remaining models added (dual ducts, retrofits, & bypass)
      - XG-DD
      - XG-DS
      - XG-DH
      - XG-SR
      - XG-RT
      - XG-RA
      - XG-BP
    - New import feature: import a selection method and its specified values
    - New center averaging airflow sensor
    - ATU hot water coil price increase [Bulletin](#)
  - **Dampers** - [Video](#)

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- Enhanced user interface for heavy-duty round control (HCDR), round isolation (HBTR), rectangular backdraft (HB/HPR), and protection (HBS/HTOD) dampers. Enhancements include:
  - Fast data entry
  - Multi-line editing
  - Global editing of grid entries
  - Help text
  - Conflict resolution
- Obsolete user interface for air measuring, face & bypass, round backdraft, round fire smoke, and round control product families
- Obsolete models HBS-331, 431; HTOD-331; HCD-324, 524
- Expanded selection for damper rep stock offering
- Factory-mounted FSKN BACnet® test module on FSD/SMD models
- Insulation depth on HCDR-350
- Replacement blade seal for heavy-duty bubble-tight (HBT/HBTR) dampers
- Best available lead time updated to 3-Day for ICD-44, 45; VCD-40, 42, 43, 43V; SMD-401EF, and EM Series dampers
- No longer available: Life Safety dampers with height equal to 8, but less than 9 inches, with an internal actuator that is not Belimo FSTF or Honeywell MSXX03 when an RRL is selected
- Updated rating for Siemens GJD series actuators used on control dampers
- Updated location for stocked dampers from Accessories to Stock Products - [Bulletin](#)
- **Louvers** - [Video](#)
  - Equipment screen model EES-401 now has submittal drawings available for various configurations
  - Added notification when the sections wide changes after a user manually changes the width or height
  - Obsolete thinline models ESU-153 and ESU-154
- **Grilles, Registers & Diffusers (GRD)** - [Video](#)
  - Model name consolidation
    - Supply Grille Single Deflection – SG41/SGV (formerly XG-4002/XG-V)
    - Supply Grille Double Deflection – SG42/SGVH (formerly XG-4004/XG-VH)
    - Heavy-Duty Supply Grille Single Deflection – HDSG41 (formerly XG-4502/4502S)
    - Heavy-Duty Supply Grille Double Deflection – HDSG42 (formerly XG-4504/4504S)
    - Ceiling Diffuser Directional – CDD (formerly XG-5500/5000)
    - Ceiling Diffuser Modular Core – CDMC (formerly XG-9000/9000S)
    - Ceiling Diffuser Cold Aisle – CDDCA (formerly XG-5500CAD)
    - Ceiling Diffuser Directional Square Architectural – CDD-SQA (formerly XG-5500DD)
  - Ceiling diffuser plaque face model CDP, new 20 in. x 20 in. module size option
- **Healthcare, Laboratory, and Cleanroom (HLC)**

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- No changes
- **Mexico Manufactured Products:**
  - No changes