



STATE OF WASHINGTON

STATE BUILDING CODE COUNCIL

2021 Washington State Energy Code Development Energy Code Proposal Short Form

For editorial **Coordination, Clarifications & Corrections** only,
without substantive energy or cost impacts

Code being amended: [Commercial](#) Provisions [Residential](#) Provisions
(A MS Word version of the code is linked to the name)

Code Section # **C403.3.5.1**

Brief Description:

This proposal clarifies that the DCV exception to C403.3.5.1 only applies to DOAS systems that only serve spaces with the defined characteristics in the exception.

Proposed code change text: (Copy the existing text from the Integrated Draft, linked above, and then use underline for new text and ~~strikeout~~ for text to be deleted.)

C403.3.5.1 Energy recovery ventilation with DOAS. The DOAS shall include energy recovery ventilation.

The energy recovery system shall have a 60 percent minimum sensible recovery effectiveness or have 50 percent enthalpy recovery effectiveness in accordance with Section C403.7.6....

Exceptions:

1. ~~Occupied spaces~~ Systems that only serve spaces with all of the following characteristics: ~~complying with Section C403.7.6, served by equipment less than 5000 cfm;~~
 - 1.1 ~~with an~~ Combined average occupant load is 15 people or greater than 25 people per 1000 square feet (93 m²) of floor area (as established in Table 403.3.1.1 of the International Mechanical Code);
 - 1.2 System serving the space is not required to have energy recovery in accordance with Section C403.7.6.
 - 1.3 ~~that~~ System serving the space is provided with demand controlled ventilation configured to reduce outdoor air by at least 50% below design minimum ventilation rates when the actual occupancy of the space ~~served by the system~~ is less than the design occupancy.
 - 1.4 Space is smaller than 650 square feet.
2. Systems installed for the sole purpose of providing makeup air for systems exhausting toxic, flammable, paint, or corrosive fumes or dust, dryer exhaust, or commercial kitchen hoods used for collecting and removing grease vapors and smoke.

Purpose of code change:

July 22, 2021

Clarifies the original intent of this exception, which is to limit the scope to systems that only serve spaces with specific parameters where the energy savings potential from demand controlled ventilation is generally equivalent to the energy savings from energy recovery ventilation.

Your name	Lisa Rosenow	Email address	lrosenow@evergreen-tech.net
Your organization	Evergreen Technology Consulting	Phone number	Click here to enter text.
Other contact name	Click here to enter text.		

Instructions: For use with Coordination, Clarifications & Corrections **ONLY**. Send this form as an email attachment, along with any other documentation available, to: sbcc@des.wa.gov. For further information, call the State Building Code Council at 360-407-9277.