2022 Denver Green Code
Explanatory Video Series

CE12: Duct Leakage Tests

Community Planning & Development
Office of Climate Action, Sustainability and Resiliency
CE12: Duct Leakage Tests

Why is this a priority in Denver?

• Leaky ducts reduce heating and cooling system efficiency, increasing the energy input required to achieve occupant comfort
• Reducing duct leakage improves HVAC system performance, which also reduces energy use and cost
CE12: Duct Leakage Tests

Project Requirements

- All medium- and high-pressure duct systems* and all ductwork located outdoors shall be leak-tested
  - Maximum duct leakage rate set by ASHRAE Standard 90.1 Section 6.4.4.2.2
  - Representative sections of at least 25% of total installed duct area for each pressure class must be tested

*Ductwork designed to operate at static pressures in excess of 2 in. of water
## CE12: Duct Leakage Tests

### Submittal Requirements

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| **Permit** | • Submit completed DGC LMU and DEC Checklists  
• Note duct testing requirements on the construction drawings, indicating which ducts must be tested and the maximum permitted duct leakage |
| **Construction** | • Submit testing report verifying tests have been conducted on all required duct systems and leakage rates meet requirements |
Where can I learn more?

Visit Denvergov.org/GreenCode to:

• Link to the 2022 Denver Green Code
  • Download the DGC Checklists
  • Watch other videos in this series
    • Register for DGC Virtual Office Hours
  • Find additional resources for your project

Denver Energy Code links: Code & Policies  |  Checklists  |  Resources & Trainings

For Green Buildings Ordinance, visit Denvergov.org/GreenRoofs