

Technical service bulletin Through Wall Vent Termination Installation Manual Supplement

Buderus

Introduction

- The purpose of this bulletin is a supplement to the Installation and Operating manual instructions for the Buderus GB142, GA124 and GA244 boiler series

Reference Document

- 2006 edition of the National Fuel Gas Code - NFPA 54 (ANSI Z223.1)
- The following are excerpts from the National Fuel Gas Code, page 54-88 and 54-89. Figure A.12.9 is located on page 54-119.

12.9 Through the wall vent terminations

- 12.9.1 A mechanical draft venting system shall terminate at least 3 ft (0.9 m) above any forced air inlet located within 10 ft (3 m).

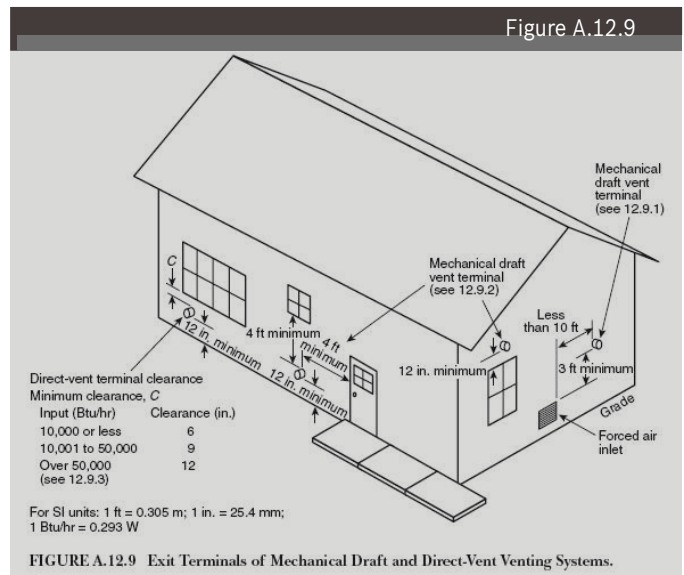
Exception No. 1: This provision shall not apply to the combustion air intake of a direct vent appliance

Exception No. 2: This provision shall not apply to the separation of the integral outdoor air inlet and flue gas discharge of listed outdoor appliances

- 12.9.2 A mechanical draft venting system of other than a direct vent type shall terminate at least 4 ft (1.2 m) below, 4 ft (1.2 m) horizontally from or 1 ft (300 mm) above any door, operable window, or gravity air inlet to the building. The bottom of the vent terminal shall be located at least 12 in. (300 mm) above grade.
- 12.9.3 The vent terminal of a direct-vent appliance with an input of 10,000 Btu/hr (3kW) or less shall be located at least 6" (150 mm) from any air opening into a building, and such an appliance with an input over 10,000 Btu/hr (3kW) but not over 50,000 Btu/hr (14.7kW) shall be installed with a 9" (230 mm) vent clearance, and an appliance with an input over 50,000 Btu/hr (14.7kW) shall have at least a 12 in. (300mm) vent termination clearance. The bottom of the vent terminal shall be located at least 12 in. (300mm) above grade.

- Through-the-wall vents for Category II and Category IV and non-categorized condensing appliances shall not terminate over public walkways or over an area where condensate or vapor could create a nuisance or hazard or could be detrimental to the operation of regulators, relief valves, or other equipment. Where local experience indicates that condensate is a problem with Category I and Category III appliances, this provision shall also apply

- Figure A.12.9 (please see below)



Notice: Consult state and local codes pertaining to special building code and fire department requirements.

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