

Effective immediately--Due to outside combustion air openings creating potential for freezing water lines in mechanical equipment enclosures, the provisions contained in "Chapter 7, COMBUSTION AIR" of the 1996 *INTERNATIONAL MECHANICAL CODE* (IMC) may be used as an alternative to the combustion air requirements in the currently adopted 1991 *UNIFORM MECHANICAL CODE* (UMC) for gas-fired appliances.

ALL AIR FROM OUTDOORS TO CONFINED SPACE:

A single combustion/dilution air opening located within 12 inches of the ceiling of the room or enclosure considered to be a *confined space*¹ (i.e., the space volume is less than 50 cu. ft./1000 Btu/h of the total input rating of all appliances in the space) is acceptable when all the following conditions are met:

1. The opening must be located in the confined space and communicate directly with the outdoors; or a duct equal in cross-sectional area and connected directly to the opening must be provided to the vicinity of the appliance(s).
2. Such opening and ducts must have a total minimum NET FREE AREA (the area minus the area of any grills or screens) of 1 sq. inch/3000 Btu/h of the total input rating of all appliances.
3. The minimum cross-sectional area of a combustion/dilution air duct must be equal to the total cross-sectional area of all appliance vents.
4. The table below may used to determine maximum total Btu/h input rating for a given duct size.

MIN. SINGLE ROUND DUCT/ TOTAL Btu/h (reduction factor included for exterior screen/grill)							
² Single Duct -in.	4	5	6	7	8	9	10
Max. Total Input-	34,000	55,000	80,000	110,000	145,000	185,000	230,000

²NOTE: Increase duct size 1 inch for either case: (a) length is greater than 20 ft.; or (b) duct has more than 3 elbows.

Required Inspections

1.
 - FR – Framing
 - RE – Rough Electric
 - RM – Rough Mechanical
 - RP – Rough Plumbing

2.
 - IN – Insulation

3.
 - FNB – Final Building
 - FNE – Final Electrical
 - FNM – Final Mechanical
 - FNP – Final Plumbing