

**Gas-fired furnaces not requiring protection as per LSC 101:8.7.1.1 (2003 ed.)
(Updated 02.06.2008)**

LSC 101:8.7.1.1 Hazard Protection

Protection from any area having a degree of hazard greater than that normal to the general occupancy of the building or structure shall be provided by one of the following means:

1. Enclosing the area with a fire barrier, without windows, that has a 1-hour fire resistance rating.
2. Protecting the area with automatic extinguishing systems.
3. Applying both of the above where the hazard is severe or where otherwise specified within the occupancy chapter.

Office of State Fire Marshal Interpretive Memorandum 2000-13 exempts the following from LSC 101:8.7.1.1:

Interpretive Memorandum 2000-13 states that: Residential-type Gas-fired Appliances in Existing and New Occupancies whose size does not exceed 3125 sq. ft. based upon 8 foot ceiling (25,000 Cubic Feet in Volume) and which are served by a single residential-type/sized gas-fired HVAC unit, shall not be required to comply with LSC 101:8.7.1.1. Therefore, at a single residential-type gas-fired hot water heater, at a single residential type/sized gas-fired laundry dryer, and at a single gas-fired furnace, there shall be no requirement for protection, as it is the view of this office that they represent no more of a threat than one would expect in a one-or two-family dwelling, and represent a threat which is no greater than that normal to a(n)...occupancy. For purposes of this interpretation, residential gas-fired appliances shall be defined as follows:

- Gas-fired hot water heater: Under 50 gallons
- **Gas-fired furnace: 5 Tons or less**
- Gas-fired laundry dryer: Single unit

In facilities where there are multiples of gas-fired devices (example: 2 gas-fired hot water heaters, or a 2nd gas-fired furnace unit, or multiple gas-fired laundry dryers), the additional appliance(s) shall be required to be protected as per LSC 101:8.7.1.1, as the addition of these appliances would increase the hazard to a greater than typically residential level.

Office of State Fire Marshal interpretive memorandum exempting the following from LSC 101:8.7.1.1:

Gas-fired furnaces and water heaters in apartments serving a single living unit shall not be required to be separated as per LSC 101:8.7.1.1. (March 14, 1995)

Office of State Fire Marshal product evaluation exempting the following from LSC 101:8.7.1.1:

Gas-fired furnaces herein listed are exempt from the above code requirement, as they have been evaluated by this office and appear to satisfy the following:

1. Combustion chamber is completely sealed with direct vent
2. Uses 100% outdoor air for combustion
3. Provides electronic ignition with no pilot light or other exposed flame.
4. Combustion air and exhaust pipe is plastic and not metal

**Listing of gas-fired furnaces not requiring protection as per LSC:8.7.1.1
(Updated 02.06.2008)**

MAKE	MODEL	EVALUATION REF.
A.O. Smith	BTH-120	04.10.00 LTR
A.O. Smith	BTH-150	04.10.00 LTR
A.O. Smith	BTH-199	04.10.00 LTR
A.O. Smith	BTH-250	04.10.00 LTR
Aerco International	A.I. Boilers & Water Heat	03.28.00 LTR
Amana	AMH95	02.06.08 Appeal 5421
Amana	AMV9-ACV9	10.22.04 LTR
Amana	AMS9-ACS9	10.22.04 LTR
Amana	DM59-DC59	10.22.04 LTR
Amana	GUVA/GUCA	06.03.04 LTR
Amana	GUCA/GCCA	05.14.04 LTR
Amana	GULA/GCLA	05.14.04 LTR
Amana	GUSA	05.14.04 LTR
Amana	GCVA	05.14.04 LTR
American Standard/Trane	DX060R936V	04.15.02 LTR
American Standard/Trane	DX080R942V	04.15.02 LTR
American Standard/Trane	DX100R948V	04.15.02 LTR
American Standard/Trane	DX120R960V	04.15.02 LTR
American Standard/Trane	DY060R9V3V	04.15.02 LTR
American Standard/Trane	DY080R9V3V	04.15.02 LTR
American Standard/Trane	DY100R9V4V	04.15.02 LTR
American Standard/Trane	DY120R9V5V	04.15.02 LTR
American Standard/Trane	UX060R936V	04.15.02 LTR
American Standard/Trane	UX080R942V	04.15.02 LTR
American Standard/Trane	UX100R948V	04.15.02 LTR
American Standard/Trane	UX120R960V	04.15.02 LTR
American Standard/Trane	UY060R9V3V	04.15.02 LTR
American Standard/Trane	UY080R9V3V	04.15.02 LTR
American Standard/Trane	UY100R9V4V	04.15.02 LTR
American Standard/Trane	UY120R9V5V	04.15.02 LTR
Armstrong Air	G2D95CT/G2D95CC	06.18.07 LTR
Armstrong Air	B2D93CT/G1D93BU	06.18.07 LTR
Armstrong Air	G1D93BT/G1D93BC	06.18.07 LTR
Armstrong Air	G1D91BT/G1D91BU	06.18.07 LTR
Armstrong Air	CG90BT	06.18.07 LTR
Bryant	350 MAV	04.12.99 LTR
Bryant	355 MAV	04.12.99 LTR
Bryant	340 MAV	04.12.99 LTR
Carrier	58MVP	07.13.05 LTR
Carrier	58MCB	06.27.06 Appeal 4668
Carrier	58MCA	01.09.97LTR
Ducane	CMPE125U5B	10.2006 Appeal 4814
Ducane	CMPE100U4B	10.2006 Appeal 4814
Ducane	CMPE100U3B	10.2006 Appeal 4814

Ducane	CMPE075U3B	10.2006 Appeal 4814
Ducane	CMPE050U2B	10.2006 Appeal 4814
Ducane	CMPE050U3B	10.2006 Appeal 4814
Ducane	CMPE075U2B	10.2006 Appeal 4814
Goodman	GKS9	02.06.08 Appeal 5421
Goodman	GMH95/GCH9	02.06.08 Appeal 5421
Goodman	GMV95/GCV9	02.06.08 Appeal 5421
Lennox	AF90MPG	09.24.01 Appeal
Lennox	G43UF	05.14.04 LTR
Lennox	G51MP	05.14.04 LTR
Lennox	G61MP	05.14.04 LTR
Lennox	G43UF	05.14.04 LTR
Lennox	GMPV	05.14.04 LTR
Lennox	HM61	05.14.04 LTR
Lennox	HM30 & AM30 (heat&h2o)	10.28.96/06.04.99 LTRS
Lennox	Pulse Fire Units	10.17.96 LTR
Lennox	G26 Up-Flow	09.30.98/07.23.99 LTRS
Lennox	GHR26 Up-Flow	05.26.99 LTR
Lennox	G26 Up-Flow	06.04.99/07.23.99 LTRS
Lennox	G32 Up-Flow	06.04.99/07.23.99 LTRS
Lennox	G32V Up-Flow	06.04.99/07.23.99 LTRS
Lennox	GHR26 Horiz. Down-Flow	06.04.99/07.23.99 LTRS
Rheem	RGRA	11.25.97 LTR
Rheem	RGTA	11.25.97 LTR
Rheem	RGFD	04.23.99 LTR
Rheem/Ruud	HE80-130	04.10.00 LTR
Rheem/Ruud	HE80-160	04.10.00 LTR
Rheem/Ruud	HE80-199	04.10.00 LTR
Rheem/Ruud	HE119-130	04.10.00 LTR
Rheem/Ruud	HE119-160	04.10.00 LTR
Rheem/Ruud	HE119-199	04.10.00 LTR
Tempstar	Tempstar Gas Furnace	04.23.99 LTR
Trane	TUX	11.17.99 LTR
Trane	ADX040C924C	10.02.00 LTR
Trane	ADX060C936C	10.02.00 LTR
Trane	ADX060R936V	10.02.00 LTR
Trane	ADX080C942C	10.02.00 LTR
Trane	ADX080R942V	10.02.00 LTR
Trane	ADX100C948C	10.02.00 LTR
Trane	ADX100R948V	10.02.00 LTR
Trane	ADX120C960C	10.02.00 LTR
Trane	ADX120R960V	10.02.00 LTR
Trane	AUX120C960C	10.02.00 LTR
Trane	AUX120R960V	10.02.00 LTR
Trane	AUX040C924C	10.02.00 LTR
Trane	AUX060C936C	10.02.00 LTR
Trane	AUX060R936V	10.02.00 LTR
Trane	AUX080C942C	10.02.00 LTR

Trane	AUX080C960C	10.02.00 LTR
Trane	AUX080R942V	10.02.00 LTR
Trane	AUX100C948C	10.02.00 LTR
Trane	AUX100C960C	10.02.00 LTR
Trane	AUX100R948V	10.02.00 LTR
Trane	AUY060R9V3V	10.02.00 LTR
Trane	AUY080R9V3V	10.02.00 LTR
Trane	AUY100R9V4V	10.02.00 LTR
Trane	AUY120R9V5V	10.02.00 LTR
Trane	TUX040C924C	10.02.00 LTR
Trane	TDX040C924C	10.02.00 LTR
Trane	TUX060C936C	10.02.00 LTR
Trane	TUX060R936V	10.02.00 LTR
Trane	TUX080C942C	10.02.00 LTR
Trane	TUX080C960C	10.02.00 LTR
Trane	TUX080R942V	10.02.00 LTR
Trane	TUX100C948C	10.02.00 LTR
Trane	TUX100C960C	10.02.00 LTR
Trane	TUX100R948V	10.02.00 LTR
Trane	TUX120C960C	10.02.00 LTR
Trane	TUX120R960V	10.02.00 LTR
Trane	TDY060R9V3V	10.02.00 LTR
Trane	TDX060C936C	10.02.00 LTR
Trane	TDX060R936V	10.02.00 LTR
Trane	TDX080C942C	10.02.00 LTR
Trane	TDX080R942V	10.02.00 LTR
Trane	TDX120C960C	10.02.00 LTR
Trane	TDX120R960V	10.02.00 LTR
Trane	TDX100R948V	10.02.00 LTR
Trane	TUY060R9V3V	10.02.00 LTR
Trane	TDY080R9V3V	10.02.00 LTR
Trane	TUY080R9V3V	10.02.00 LTR
Trane	TDY100R9V4V	10.02.00 LTR
Trane	TDY120R9V5V	10.02.00 LTR
Trane	TUY100R9V4V	10.02.00 LTR
Trane	TUY120R9V5V	10.02.00 LTR
York/Luxaire	92AFUE	07.11.01 Appeal
York/Luxaire	92-943AFUE	07.11.01 Appeal
York/Luxaire	91AFUE	07.11.01 Appeal
York/Luxaire	94AFUE	07.11.01 Appeal
York/Luxaire	95AFUE	07.11.01 Appeal