

Service Bulletin

SF-022

DATE: April 29, 2008
 TO: All Service and Parts Managers
 SUBJECT: Updated and Revised Venting Tables for GCV91155DX, AMH950704CX, GCH90704CX, GMH950704CX and GKS90704CX Model Furnaces

Goodman has recently tested and approved the use of 3" vent pipe on the following model furnaces, AMH950704CX, GCH90704CX, GMH950704CX and GKS90704CX. Also we've added the GCV91155DX model furnace to flue pipe tables in GMV95/GCV9 Installation and Operation manual that was inadvertently left out.

The following are the changes outlined for each specific model furnace:

- Added GCV91155DX model to flue pipe tables in GMV95/GCV9 Installation and Operation manual. The allowable flue pipe for the GCV91155DX model is 50 feet and 8 elbows of 3" pipe only. The new IO manual will be IO-280H.
- Added 3" pipe to AMH950704CX model. Allowable 3" is 50 feet and 8 elbows. The new IO manual will be IO-297C.
- Added 3" pipe to GCH90704CX and GMH950704CX models. Allowable 3" is 50 feet and 8 elbows. The new IO manual will be IO-299C.
- Added 3" pipe to GKS90704CX model. Allowable 3" is 50 feet and 8 elbows. The new IO manual will be IO-300E.

These updated and revised venting tables are provided below for your reference.

GCV91155DX

COUNTERFLOW									
Non-Direct Vent (Single Pipe)									
Maximum Allowable Length of Vent/Flue Pipe (ft) ⁽¹⁾⁽²⁾									
Unit Input	Pipe ⁽⁴⁾ (inch)	Number of Elbows ⁽³⁾⁽⁵⁾							
		1	2	3	4	5	6	7	8
70,000	2	61	58	55	52	49	46	43	40
	3	71	68	65	62	59	56	53	50
90,000	2	61	58	55	52	49	46	43	40
	3	71	68	65	62	59	56	53	50
115,000	3	71	68	65	62	59	56	53	50

COUNTERFLOW										
Direct Vent (Dual Pipe) Maximum Allowable Length* of Vent/Flue & Combustion Air Intake Pipe^(ft)										
Unit Input (Btu)	Termination Style	Pipe ⁽⁴⁾ (inch)	Number of Elbows ⁽¹⁾⁽²⁾⁽³⁾⁽⁵⁾							
			1	2	3	4	5	6	7	8
70,000	Standard	2	49	46	43	40	37	34	31	28
		3	71	68	65	62	59	56	53	50
	Alternate	2	36	33	30	27	24	21	18	15
		3	57	54	51	48	45	42	39	36
90,000	Standard	2	61	58	55	52	49	46	43	40
		3	71	68	65	62	59	56	53	50
	Alternate	2	48	45	42	39	36	33	30	27
		3	57	54	51	48	45	42	39	36
115,000	Standard	3	71	68	65	62	59	56	53	50
	Alternate	3	57	54	51	48	45	42	39	36

AMH950704CX

Non-Direct Vent (Single Pipe)								
Maximum Allowable Length of Vent/Flue Pipe (ft) ^{(1) (2)}								
Models (kBtu_Tons)	Pipe Size ⁽⁴⁾ (inc.)	Number of Elbows ^{(3) (5)}						
		2	3	4	5	6	7	8
045_3	2	68	65	62	59	56	53	50
070_3	2	68	65	62	59	56	53	50
070_4	2	46	43	40	Not Recommended			
070_4	3	68	65	62	59	56	53	50
090_4	2	16	13	10	Not Recommended			
090_4	3	68	65	62	59	56	53	50
090_5	3	68	65	62	59	56	53	50
115_5	3	68	65	62	59	56	53	50

Direct Vent (Dual Pipe)									
Maximum Allowable Length of Vent/Flue & Combustion Air Intake Pipe (ft)									
Unit Input (Btu)	Vent/Flue/Air Intake Termination	Pipe Size ⁽⁴⁾ (in.)	Number of Elbows ⁽¹⁾⁽²⁾⁽³⁾⁽⁵⁾						
			2	3	4	5	6	7	8
045_3	Standard	2	68	65	62	59	56	53	50
	Alternate	2	55	52	49	46	43	40	37
070_3	Standard	2	68	65	62	59	56	53	50
	Alternate	2	55	52	49	46	43	40	37
070_4	Standard	2	46	43	40	Not Recommended			
	Alternate	2	33	30	27	Not Recommended			
070_4	Standard	3	68	65	62	59	56	53	50
	Alternate	3	54	51	48	45	42	39	36
090_4	Standard	3	68	65	62	59	56	53	50
	Alternate	3	55	52	49	46	43	40	37
090_5	Standard	3	68	65	62	59	56	53	50
	Alternate	3	55	52	49	46	43	40	37
115_5	Standard	3	68	65	62	59	56	53	50
	Alternate	3	55	52	49	46	43	40	37

GCH90704CX and GMH950704CX

Non-Direct Vent (Single Pipe)								
Maximum Allowable Length of Vent/Flue Pipe (ft) ^{(1) (2)}								
Models (kBtu_Tons)	Pipe Size ⁽⁴⁾ (inc.)	Number of Elbows ^{(3) (5)}						
		2	3	4	5	6	7	8
045_3	2	68	65	62	59	56	53	50
070_3	2	68	65	62	59	56	53	50
070_4	2	46	43	40	Not Recommended			
070_4	3	68	65	62	59	56	53	50
090_4	2	16	13	10	Not Recommended			
090_4	3	68	65	62	59	56	53	50
090_5	3	68	65	62	59	56	53	50
115_5	3	68	65	62	59	56	53	50

Direct Vent (Dual Pipe)									
Maximum Allowable Length of Vent/Flue & Combustion Air Intake Pipe (ft)									
Unit Input (Btu)	Vent/Flue/Air Intake Termination	Pipe Size ⁽⁴⁾ (in.)	Number of Elbows ⁽¹⁾⁽²⁾⁽³⁾⁽⁵⁾						
			2	3	4	5	6	7	8
045_3	Standard	2	68	65	62	59	56	53	50
	Alternate	2	55	52	49	46	43	40	37
070_3	Standard	2	68	65	62	59	56	53	50
	Alternate	2	55	52	49	46	43	40	37
070_4	Standard	2	46	43	40	Not Recommended			
	Alternate	2	33	30	27	Not Recommended			
070_4	Standard	3	68	65	62	59	56	53	50
	Alternate	3	54	51	48	45	42	39	36
090_4	Standard	3	68	65	62	59	56	53	50
	Alternate	3	55	52	49	46	43	40	37
090_5	Standard	3	68	65	62	59	56	53	50
	Alternate	3	55	52	49	46	43	40	37
115_5	Standard	3	68	65	62	59	56	53	50
	Alternate	3	55	52	49	46	43	40	37

GKS90704CX

Non-Direct Vent (Single Pipe)								
Maximum Allowable Length of Vent/Flue Pipe (ft) ^{(1) (2)}								
Models (kBtu_Tons)	Pipe Size ⁽⁴⁾ (in.)	Number of Elbows ^{(3) (5)}						
		2	3	4	5	6	7	8
045_3	2	68	65	62	59	56	53	50
070_3	2	36	33	30	27	24	21	18
	3	68	65	62	59	56	53	50
070_4	2	55	52	49	46	43	40	37
	3	68	65	62	59	56	53	50
090_4	2	37	34	31	28	25	22	19
	3	68	65	62	59	56	53	50
090_5	2	39	36	33	30	27	24	21
	3	68	65	62	59	56	53	50
115_5	3	68	65	62	59	56	53	50

Direct Vent (Dual Pipe)									
Maximum Allowable Length of Vent/Flue & Combustion Air Intake Pipe (ft)									
Unit Input (Btu)	Vent/Flue/Air Intake Termination	Pipe Size ⁽⁴⁾ (in.)	Number of Elbows ^{(1) (2) (3) (5)}						
			2	3	4	5	6	7	8
045_3	Standard	2	68	65	62	59	56	53	50
	Alternate	2	55	52	49	46	43	40	37
070_3	Standard	2	36	33	30	27	24	21	18
	Alternate	2	23	20	17	14	11	8	5
	Standard	3	68	65	62	59	56	53	50
	Alternate	3	55	52	49	46	43	40	37
070_4	Standard	2	55	52	49	46	43	40	37
	Alternate	2	42	39	36	33	30	27	24
	Standard	3	68	65	62	59	56	53	50
	Alternate	3	55	52	49	46	43	40	37
090_4	Standard	2	37	34	31	28	25	22	19
	Alternate	2	24	21	18	15	12	9	6
	Standard	3	68	65	62	59	56	53	50
	Alternate	3	55	52	49	46	43	40	37
090_5	Standard	2	39	36	33	30	27	24	21
	Alternate	2	26	23	20	17	14	11	8
	Standard	3	68	65	62	59	56	53	50
	Alternate	3	55	52	49	46	43	40	37
115_5	Standard	3	68	65	62	59	56	53	50
	Alternate	3	55	52	49	46	43	40	37

This letter may be used to inform local code officials and inspectors about the change in use of 3” instead of 2” vent pipe on AMH950704CX, GCH90704CX, GMH950704CX and GKS90704CX model furnaces, along with the addition of the GCV91155DX model to Installation and Operation Manual.

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