

PRODUCT ADDENDUM

REPLACEMENT METRIC ORIFICES FOR GAS BOILERS

The natural gas orifices are being changed from the MTD sizes to Metric (mm) sizes to improve accuracy of the firing rate. Boilers made after December 2008 maybe be equipped with a set of either type of orifice.

The table below shows orifice size cross reference for the boiler models and sizes. (Note: a MTD #31 might not always be replaced by the same Metric size. Please locate the boiler model and size for the correct replacement.)

Mixing the orifices will not create an unsafe issue however it could affect the performance quality. Therefore if the installer is required to replace one orifice with the new type, replace all the orifices with the new type. If the installer has the matching type (MTD) on hand, it is OK to replace just the required replacement. The installer must check the stamping on the remaining orifices, as shown in the picture, to insure all are of the same type and size.



MODELS: 15B, UH15B					
Natural Gas		At Sea Level		High Altitude (to 6000 ft)	
K-BTU/HR	QTY	MTD	Metric	MTD	Metric
45	1	#31	3.1 mm	#33	2.9 mm
70	2	#36	2.8 mm	#39	2.7 mm
96	2	#30	3.2 mm	#31	3.0 mm
120	3	#31	2.9 mm	#33	2.8 mm
145	3	#30	3.2 mm	#31	3.0 mm
175	4	#31	3.0 mm	#33	2.8 mm
195	4	#30	3.2 mm	#31	3.0 mm
245	5	#30	3.2 mm	#31	3.0 mm
295	6	#30	3.2 mm	#31	3.0 mm

MODELS: MGB, MAGB, MCB, OMGB, OMAGB, DVB, ODVB, CDVB					
Natural Gas		At Sea Level		High Altitude (to 6000 ft)	
K-BTU/HR	QTY	MTD	Metric	MTD	Metric
38	1	#33	2.8 mm	n/a	n/a
50	1	#30	3.2 mm	#31	3.0 mm
75	2	#33	2.8 mm	#36	2.7 mm
100	2	#30	3.2 mm	#31	3.0 mm
125	3	#31	2.9 mm	#33	2.8 mm
150	3	#30	3.2 mm	#31	3.0 mm
175	4	#31	3.0 mm	#33	2.8 mm
200	4	#30	3.2 mm	#31	3.0 mm
250	5	#30	3.2 mm	#31	3.0 mm
300	6	#30	3.2 mm	#31	3.0 mm

ORIFICE PART NUMBERS	
Natural Gas Only	
Size	Part Number
2.7mm	240007401
2.8mm	240007402
2.9mm	240007403
3.0mm	240007404
3.1mm	240007405
3.2mm	240007406
#30	355-1-5.01
#31	355-1-5.02
#32	3551514
#33	355-1-5.03
#34	3551528
#35	3551515
#36	355-1-5.09
#39	3551517