



Williamson-Thermoflo®

Venting Bulletin

For boilers allowed to utilize polypropylene vent systems.

Tests have determined that flex vent has a greater pressure drop than rigid polypropylene vent which changes the maximum allowable length of venting. Below are the equivalent lengths that will be listed in the boiler manuals, when/as they are updated.

Supplier and Size of Flex Pipe	Vent Length - Equivalent
Duravent 2" diameter - 1 foot	3.3
Duravent 3" diameter - 1 foot	1.7
Duravent 4" diameter - 1 foot	3.0
Centrotherm 2" diameter - 1 foot	5.0
Centrotherm 3" diameter - 1 foot	2.3
Centrotherm 4" diameter - 1 foot	2.1
Example: Using 20 feet of Duravent 4" $20' \times 3.0 = 60'$ of equivalent length of straight pipe.	

Knowing and identifying the correct equivalent length is essential to ensure the proper operation of our high efficiency boilers. The equivalent vent lengths for each specific size and manufacturer of venting is listed in our boiler manuals, new polypropylene venting supplier and vent length information will be added as required in the latest releases of our manual.

Calculated equivalent feet shall not exceed maximum values listed in boiler manual.

Please go to <http://www.williamson-thermoflo.com> for the latest revision of the boiler manuals.

All current boiler installations using polypropylene flex venting with concerns/questions should contact Williamson-Thermoflo for assistance, if our boiler is having operational issues that may be related to excess vent lengths.

Code Compliance



Warning / Combustion air piping – Installations must provide provisions for combustion and ventilation air in accordance with the section “Venting of Equipment”, of the National Fuel Gas Code, ANSI Z223.1 / NFPA 54, or “Venting Systems and Air Supply for appliances” of the Natural Gas and Propane Installation Code, CAN/CSA B149.1, or applicable provisions of the local building codes.



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