



Cold Weather/Cold Climate Recommendations

Use of the outside combustion air feature of NordicStoves is NOT RECOMMENDED when outside temperatures are below 0° F.

Explanation: Proper operation of all vaporizing (drip pot) oil burners depends upon sufficient burner bottom temperature to vaporize and ignite the heating oil. When extremely cold air surrounds the burner, the burner temperature may drop to the point where the fuel no longer evaporates properly. The result may be very poor combustion and soot or carbon build-up in the burner. The stove may not produce expected heat and may indeed STOP burning.

In cold climates, venting pipes (chimney) should always be insulated when exposed to outdoor temperatures AND all vent pipes should be kept inside the heated structure as much as possible.

Explanation: Oil stoves require sufficient chimney draft to operate properly. Essentially the draft is caused by hot exhaust gases rising up through the chimney thus creating suction (draft). If the exhaust gas cools down too quickly, the exhaust gas does not rise fast enough. Thus, there is less draft and poor operation of the stove (carbon, soot). In cold climates, even the best-insulated pipes may cool exhaust gases if a long section of the pipe is exposed to very cold temperatures. (See below)

