

Simple tips when using the HAYGAIN hay steamer system in freezing temperatures...

The problems you may encounter:

- Hay is not steamed or only partly steamed.
- Intermittent steam.
- Long steaming cycles.

Solutions:

- When not in use, keep the steam boiler unit inside in warm place (such as a heated tack room). After use, disconnect hose from steam chest and drain hose. Steam hose should be kept straight when used (not wound around unit or coiled). In extreme situations, use pipe insulation on the steam hose to both protect from freezing and to make it more thermally efficient.
- After use, disconnect steam hose from steam chest; tip the steam chest to enable condensation that is in the manifold, spikes and hoses to drain out of the connector on the end of the chest.
- When starting up in extreme temperatures, keep the hose connected to the steamer and disconnect the hose from the chest and turn on the steamer separately to ensure black steam hose is clear and free of any ice. If there is no steam emitted within 15 to 20 minutes, the hose is not clear, immediately turn the unit off, **DO NOT UNSCREW FILLER CAP**, immerse steam hose in hot water and squeeze it to clear frozen water. Try again.
- Connect steam hose to chest. DO NOT PUT HAY IN. Check that steam is coming through the rubber hose, manifolds, and out through the spikes.
- If not, immediately switch off, **DO NOT UNSCREW FILLER CAP**.
- Pour boiling water over manifold and hoses. Squeeze rubber hose in steam chest as this should break up any ice in the hoses. Try again.
- If one manifold is showing steam and not both (for the HG-1000 full bale HAYGAIN), squeeze the hoses and try and get steam to come through the other manifold.

Remember:

- In freezing conditions hay can also be freezing (15% humidity content) and will take longer to treat. Water will take longer to heat up. Colder ambient temperatures will mean longer time to bring temperatures up to proper levels. Voltage supply will probably drop because of excess demand: a 10% voltage drop gives a 20% power output drop of the steam generator which results in less pressure and longer time to create the necessary temperatures.
- Be patient in extraordinary circumstances. The horses are the ultimate beneficiary!
- Descale your steam generator regularly at least once a quarter if in a hard water area, using a descaler solution of 50% white vinegar and 50% water: *leave in overnight*. (If scale builds up inside, steam will be intermittent as the thermal cut-out will react as though the unit is overheating.)
- **NEVER** use any additives, like anti-freeze, with the water in your steam generator.

We are here to help. If you have any questions, please do not hesitate to contact us at Jiffy Steamer Equine 1.800.525.4339.

HAYGAIN
hay steamers