

SAVASTAT



COMPARATIVE TRIALS

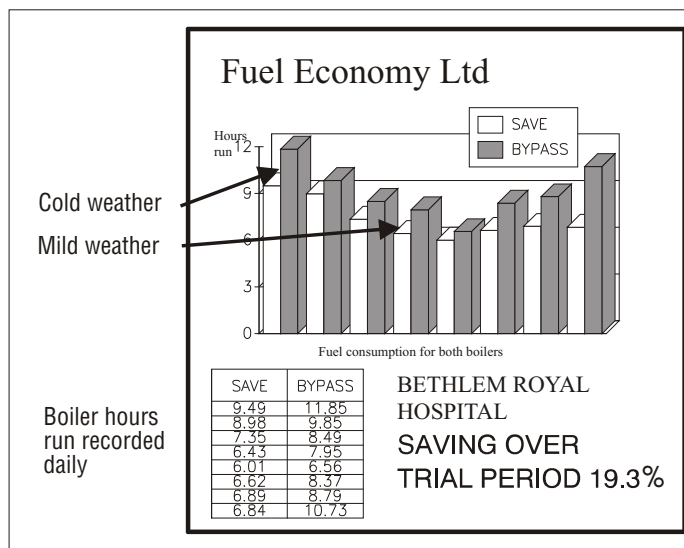
- The premises that will be used for the trial have to be considered. Regular use and access is required each day.
 - The plant should be called on to provide heat for the same programmed times every day and the levels of heat constant.
 - Domestic hot water use will have an influence on the data so it is best to avoid laundry facilities and premises where the washing/bathing facilities are extensive.
 - The recording method can either be by fuel meters or using hours run meters.
 - If fuel metering is to be adopted it is important that no other apparatus runs from the same meter. Oil metering is not accurate enough and hours run meters will be required for oil burners.
 - Each boiler will need its own Savastat and meter. The hours run meters cannot be reset to zero.
- The Savastat unit must be switched in and out of line on a daily basis - at the same time every day. The consumption for each day must be recorded at this time.**
- Should there be any problems with the recordings or plant at any time, notes must be made on the recording sheet.
 - Plant or equipment failure must be notified to FEL a.s.a.p.

Comparative testing of Savastat in a suitable location is best achieved by switching between 'on' and 'off' modes on a daily basis. This method provides a reasonably accurate estimate of the savings potential on a particular site encompassing the weather effect without the difficulty of degree day adjustment.

The trial is usually conducted over 14 days. This will provide 7 'save' days and 7 'bypass' days. Due to the odd number of days in a week and the alternate method of recording, if there is a day each week that is untypical it will be recorded in save and bypass, this should negate the influence of these odd days.

Savastat is installed on the plant and an hours run meter provided which will record the time the boiler runs, whether Savastat is 'in line' or 'off line'.

Savastat has a simple bypass switch which allows Savastat to be switched in and out of circuit. If readings are taken at the same time every day and the units switched into the next mode, after 14 days a clear pattern will be seen.



Weather trends will be seen clearly and because of the day on / day off procedure the comparison over the period remains accurate - see example - *Bethlem Royal Hospital*

The percentage of savings measured will be accurate for the period of the trial. In milder weather the potential savings will be higher, during much colder weather the savings may be reduced.

Space temperature recording will confirm that conditions inside the building are unaffected by the action of Savastat. This recording is carried out by placing a data logging device within the building in a position where the temperature should remain fairly constant i.e. away from doorways and radiator effects.