

The first distillery to be opened in Wales for over 100 years produces whisky using a Clayton Steam Generator.

The Welsh Whisky Company have already begun production at their Gwalia Distillery in Penderyn, South Wales and the steam is being used on a new single copper pot still that is of an advanced, highly efficient and environmentally friendly design. The still was invented by Dr David Faraday who is a descendent of the famous Victorian scientist Michael Faraday.



The Advanced Still

Steam is being supplied to the still from an equally advanced invention – A Clayton Steam Generator.

Because a whisky still is a batch process it only uses steam intermittently and is therefore a perfect application for the Clayton Steam Generator that starts in five minutes from a completely cold condition.

This means that steam is available instantly and can be fed to the still as-and-when required. After use the steam generator is switched off and does not have to be kept in a

warm standby mode so no energy is wasted.

Alun Evans who is one of the directors of the Welsh Whisky Company said *“We have been able to blend traditional methods with the most efficient and up to date technology available to ensure that the Whisky produced is of the highest quality possible”*.

Another advantage of the Clayton Steam Generator in this application is that the quality of steam produced is the best available from any type of boiler available today. Under all load conditions the steam produced is at least 99.5% dry saturated. It therefore contains the maximum amount of energy (enthalpy) that can then be exchanged in the still.

As well as the the steam generator itself Clayton supplied the water softener and chemical dosing plant, water softener, hotwell and accessories.

All of the equipment was delivered as a skid mounted



The Welsh Whisky Company



packaged unit measuring only 1.7 metres by 1.5 metres.

A natural underground water system at the distillery provides water of a distinctive quality which is the key to superior malt Whisky and only one cask is produced every day so it is also extremely rare.

Penderyn Single Malt Whisky was launched on 1st March 2004 and is now found on the shelves of supermarkets and specialist whisky shops throughout the UK and is distributed to 16 countries. The distillery also has a visitor centre where you can see the whole process of Welsh Whisky making