



Landfill gas is usually saturated with water when it enters the collection pipework. The temperature at which it is formed is generally about 30-35°C and this is therefore its “dew point”. As the gas travels from the waste along the collection line it will cool and the water will condense out to form condensate which if allowed to build up will prevent the flow of gas within the system and needs to be removed.

Pumped Knockout pots (PKOP) compromise of a chamber into which the landfill gas expands, and the velocity reduces. The resulting condensate then drains into a reservoir through a central tube which contains a permanently installed leachate pump – a GeoPump. As the level of the condensate rises the GeoPump will automatically start pumping until the reservoir is empty when the GeoPump will automatically stop.

The design prevents allows the GeoPump to be removed for maintenance without any ingress of oxygen and prevents having to stop the gas extraction system.

Applications

- Landfill gas extraction systems

Features

- Manufactured from black HDPE
- Bespoke designs
- Manufactured in both SDR11 and SDR17