

# LANDFILL GAS WELLHEADS

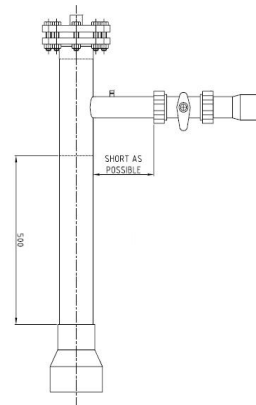
Manufactured from landfill gas resistant PE to provide a wide range of LFG wellheads to suit individual applications..

## TYPE 10 WELLHEAD

Comprises both landfill gas and leachate extraction. This type is fitted on top of any gas well pipe that may also incorporate a pneumatic leachate pump. The top of the wellhead is fitted with a removable blanking plate which can be adapted to accommodate any leachate pump. Upon request this may incorporate valve of different types, gas sampling & monitoring points, threaded caps for leachate dip meters, pressure gauges, pressure relief valves, flexible seals to allow settlement, centralizers for the gas well casing, air-filter regulators for the pump, air inlet/outlet, leachate discharge outlet & pump counter.

### FEATURES:

- ♦ Installation > 2" wells
- ♦ Simple construction
- ♦ Easy to install
- ♦ To suit any demand

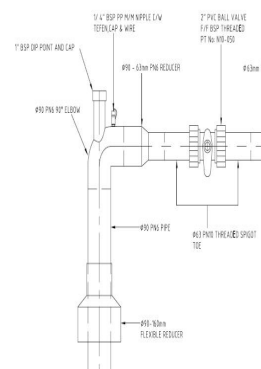


## TYPE RPS WELLHEAD

This type is commonly used where there is no demand for leachate extraction. Upon request this may incorporate valve of different types, gas sampling & monitoring points, threaded caps for leachate dip meters, pressure gauges, pressure relief valves, flexible seals to allow settlement, centralizers for the gas well casing.

### FEATURES:

- ♦ Less expensive
- ♦ Easy to install
- ♦ Simple construction
- ♦ Accommodates all settlement
- ♦ To suit any size



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## TYPE EGC WELLHEAD

A very good solution when we want to collect the biogas produced and at the same time us to continue to deposit waste in the active cell of the landfill is by installing EGC well heads.

These wellheads are placed at any desired level we want, even from the beginning of the cell and allow us to easily lift them while depositing and increasing the level of waste, protecting the vertical part inside them and by connecting on the top a temporary horizontal pipework we can collect the landfill gas and lead it to the flare unit without venting in atmosphere until to wait for the final restoration of the cell is completed.

Unlike conventional concrete wells with holes which gradually raise these EGC wellheads are filled with gravel to act as a filter outside the inner HDPE screen, are forming a complete landfill gas extraction well at this is lifted up over time thus no additional drilling costs are required when the cell is filled to the top.

They are is at least 4 meter length sections, so that the top 1m remain outside to allow us to monitor the wellhead, and the 3m bottom section to be into the ground not allowing air to enter into the gas collection system.

They are very robust compared to the concrete rings, and not been destroyed by either settlement or by the movement of the waste compactors.

They maintain the verticality of the pipework, the landfill gas enters the wellheads and is been extracted much more efficiently while we can easily plug in a horizontal pipework and lead the landfill gas to the combustion at any time. Optional, they may allow the installation of leachate pumping system simultaneously with the extraction of landfill gas, they may be fitted with flow valves, sampling and monitoring points for leachate level, pressure measurement and landfill gas composition.



### FEATURES:

- ◆ Sampling points for gas pressure & temperature
- ◆ Sampling points for gas quality & flow
- ◆ Robust galvanized steel pipe
- ◆ Removable cover plate
- ◆ Can accommodate pump installation
- ◆ 800mm outside diameter
- ◆ Range of designs to suit application

