

Gas-Water Well Chambers

Konzept

The innovative STUMATEC gas-water well chambers have been specifically designed for use on landfill sites. They enable the extraction of harmful greenhouse gases, similar to conventional gas wells. The pipe connections are integrated directly into the well chamber, and additional pipes can be easily connected afterward.

These gas-water well chambers are designed to extract and discharge both landfill gas and leachate through the same piezometer pipe. Water flow and temperature can be monitored and controlled remotely, independent of location, via data transmission systems.

The well chamber is constructed from the electrically conductive special material PE-EL. The interior setup is flexible, allowing the gas-water wells to be mounted on piezometer pipes with diameters of up to 4.5 inches. Any landfill settlements are accommodated with a sealing gasket, ensuring the system's integrity is maintained at all times. The intrusion of surface water into the well chamber is completely prevented.

The gas-water well chambers are available in two types.

Typ 750-OL

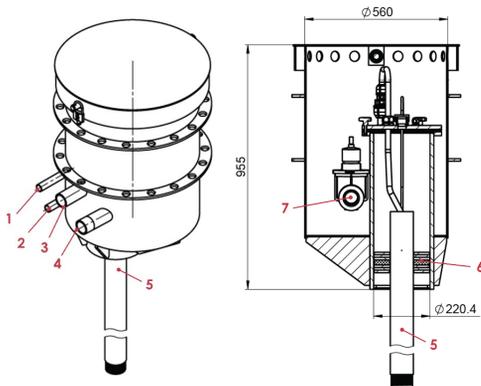


Typ 1150-UL



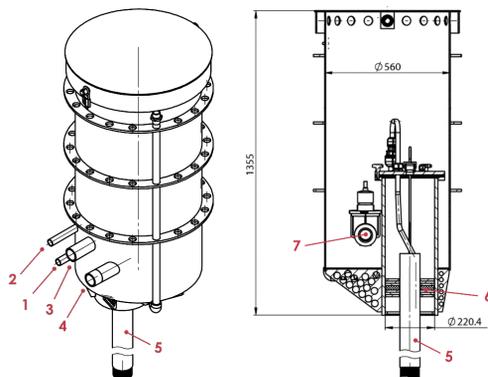
Typ 750-OL

- Above-Ground Pipeline Construction
- Overall Height: 955 mm
- Outer Diameter: 560 mm
- Inner Diameter: 200.4 mm



Typ 1150-UL

- Underground Pipeline Construction
- Overall Height : 1'355 mm
- Outer Diameter : 560 mm
- Inner Diameter : 200.4 mm



Technical Features

1. Conduit for Control Cables
2. Compressed Air Line
3. Pump Water Discharge
4. Landfill Gas Discharge
5. Piezometer Pipe with Diameters up to a Maximum of 4.5"
6. Adjustable Sleeve Seal
7. Gas Valve or Flap

