

Accu-Flo Wellheads

Accu-Flo Wellheads can help prevent landfill gas migration, landfill gas emissions and subsurface fires.

Landfill owners and operators will appreciate the Accu-Flo proven design that meets the special requirements of landfill gas (LFG) recovery for environmental compliance and energy production.

Accu-Flo Wellheads provide operators with the gas extraction control necessary to meet more restrictive environmental and safety regulations, thus preventing unnecessary and costly violations.

Accu-Flo helps maximise gas recovery, minimise surface emissions and subsurface migration, helps control hot spots and prevent subsurface fires.

Benefits

- Compact size
- Easy installation and maintenance
- Built-in gas flow measurement
- Built-in gas flow control gate valve
- Quick connect measurement ports
- High accuracy and repeatability of measurements
- Durable Materials: Sch. 80 PVC housing and couplings, stainless steel impact tube, and polypropylene fittings, elastomeric coupling and PVC
- Flexible interconnects



Simplified Data Collection

Accu-Flo simplifies the complexity of measuring well head data by incorporating key built-in features including a LFG flow measuring device, gas temperature port, quick-connect gas sample ports and a flow control gate valve. The patented design expedited the time required to obtain key well head data and determine necessary flow adjustments using the industry standard instruments, GEM2000 or other field unit.

Quick and Versatile Installation

The prefabricated Accu-Flo assembly, factory tested and warranted, is shipped ready for immediate installation - eliminating the cost and uncertainties of field fabricated units.

Accu-Flo models are available for installation above or below ground on vertical wells or horizontal branch laterals in flow ranging from 1 to over 300 SCFM.

Flow Accuracy and Reliability

The Accu-Flo system is designed to operate in the wet, abrasive environment typical of landfill gas and still provide exacting control and accurate flow measurements with high dependability and consistency.

A patented feature of the Accu-Flo design is the pre-calibrated gas measurement tube assembly (Accu-Flo body) which extends into a standard vertical or horizontal well casing or branch lateral, creating a compact installation.

The measurement tube assembly houses a modified stainless steel impact tube specifically designed for harsh landfill gas applications. Differential pressure readings between the impact tube and measurement tube are used to calculate flow.

To help protect the impact tube from condensate and particulate clogging, common with conventional designs such as pitot tubes and orifice plates, the Accu-Flo uses an enlarged total pressure port opening and a separate protected static pressure port. Also, pre-calibration of the measurement tube with a pre-positioned impact tube eliminates the need to take time-consuming traverse measurements normally required for accuracy.

Model	Size	Flow Rate (SCFM)	Pressure Drop
150	37mm (1.5in)	1-50	0.001 - 3.0
200	50mm (2.0in)	5-125	0.1 - 5.0
300	75mm (3.0in)	35-300	0.1 - 10.00

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