

Metering and Volume Correction Information Pack

Gas meters are installed to record the volume of gas flowing through a pipe. There is a meter index, which indicates the volume of gas passing through.



Figure 1. Gas Meter Index

The type of meter used depends on the annual quantity of gas being used. The table below highlights the different types of metering and their parameters:

Connection Type	Connection Type	Annual Quantity
Non-Daily Metered	NDM	< 5.5 GWh
Daily Metered	DM	> 5.5 GWh
Large Daily Metered	LDM	> 55 GWh

If the annual quantity is above 3GWh then a volume corrector is required. If the quantity is above 5.5GWh then a volume corrector and a modem are required.



Figure 2. Data collection with VC modem

What is a Volume Corrector?

A volume corrector (VC) provides customers with a corrected meter read and is required when the annual quantity of gas used exceeds 3GWh. The volume corrector receives the reading from the meter and calculates a corrected reading, adjusting for the variations in the pressure and temperature.

The VC is a key element in the chain from the meter to billing data and provides customers with an accurate and corrected meter read.



Figure 3. Volume corrector typical install

How to read your Volume Corrector

The VC will be housed in a meter box. Press the OK button until you reach the screen that clearly shows the *Unconverted Index Reading* and the *Converted Index Reading*. This converted index reading is the primary record that will determine your gas usage. Gas volume is measured in cubic metres (m³). This figure is multiplied by the correction factor (CF) of the gas (calculation relates to pressure and temperature of the gas). From this, the corrected volume measured in standard cubic meters (Sm³) is determined and used by your gas supplier to generate your bill.



Figure 4. Meter box



Figure 5. Volume corrector
(unconverted and converted index screen)



Gas
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