



Hydrogen

Hydrogen has enormous potential as an energy carrier with compression for storage and transportation/distribution being essential.

Typically, the pressures range from:

- 300-700 Bar(g) for storage and...
- 200 Bar(g) for transport



Utile are able to offer a variety of products to meet your needs, typically:

Diaphragm Compressors

Offer a clean, zero contaminated solution and leak proof construction.

Max. Pressure: 1000 Bar(g)

Max. Flow: 500Nm³/hr

Diaphragm life: up to 10,000 hours.

Reciprocating Compressors

Low speed, reliable and oil free options available.

Max. Pressure: 45 Bar(g)

Max. Flow: 2000 Nm³/hr.

Contact us for:

- Skid mounted fully packaged sets with control panel.
- Manufactured to UKAC (CE), EPS (ATEX) and PESR (PED).
- Acoustic enclosures where specified.

Hydrogen Blending

Future plans for CO₂ reduction will involve the blending of Hydrogen with Natural Gas in the Grid, most likely with the same pipeline pressures as witnessed with standard Natural Gas.

Currently an addition of up to 20% Hydrogen is being investigated and the Utile product range is already designed and capable of handling such a composition.