

Biogas Products

Biogas Industry Experts  Stainless Steel Fabrications

Client: Saica Paper (Paper Mill)
Location: Carrington, Manchester, UK
Summary: Supply biogas to cold water heat exchanger

Project scope:

Biogas Products Ltd were contracted to design and manufacture 1no Biogas to cold water heat exchanger to provide biogas cooling at an existing biomass plant located at SAICA paper mill in Manchester.

Design requirement:

The heat exchanger was designed to reduce the temperature of 1800m³/hr biogas from 40C down to 5C and to automatically remove the condensate. The heat exchanger and condensate pots are manufactured in 316SS.

Products / Services supplied:

The heat exchanger and condensate pots were designed, manufactured and pressure tested at our Works before delivery to site. The Water Chiller was purchased direct from the manufacturer Greenbox s.r.l in Italy. The complete plant was installed and commissioned by our own site installation team.

Outcome:

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The operating efficiency of the existing on-site hot water boilers was greatly improved by the removal of water from the biogas fuel.

