

## CASE STUDY

One positive displacement blower in package BSF1.6 SCC with enclosure is used for the recovery of biogas for burner feeding.

### End-User customer

**Cristanol** is the first French manufacturing unit of bioethanol on the double sector beets and cereal (wheat).

### Application

A natural process called anaerobic digestion creates biogas. Anaerobic digesters are closed systems that harness this natural process to produce biogas and other useful coproducts. During the process, positive displacement blower handles the biogas toward the processing. Recovered biogas can be an energy source for electricity, heating or transportation fuel....



### Solution

We installed one positive displacement blower in package BSF1.6 SCC (in ATEX) with enclosure with flow variation through frequency converter.

Gas	Biogas
Inlet Pressure (atmospheric)	1013 mbar Abs
Discharge Pressure	1513 mbar Abs
Working Differential pressure	500 mbar
Flow at Normal conditions (0°C - 1013 mbar)	563 Nm³/h



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