

Case Study

Atex Positive Displacement Blower



ROMCHIM Romania

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Hibon® Positive displacement blower ATEX SNH 4 SP B1 with enclosure is used in a manufacturing of detergents products for reactivation gases recycle.

Customer Overview

Romchim Ltd. is one of the largest domestic producers of chemical products, household detergents and cosmetics.

Challenge

Any control equipment used to ensure the safe operation of equipment in a hazardous area falls within the scope of the ATEX Directive (from the French – ATmospheres Explosibles). The ATEX Directive combines two European Directives associated with equipment used in and people who work in potentially explosive atmospheres. It not only considers potentially explosive concentrations of gas, vapor or mist in the air, but also concentrations of dust. It accounts for both electrical and mechanical sources of ignition. It also concerns the minimum requirements for improving safety and health protection of workers at risk from explosive atmospheres. An Explosive Atmosphere is the mixture of flammable substances in the form of gases, vapors, mists or dusts with air.

Solution

We provided ATEX Zone 2 external compliant positive displacement blower SNH 4 SP B1 with enclosure.



Detail

Blower type: SNH4 SP B1
Gases: Nitrogen + Hexane
Inlet Pressure: 5,03 Kg/cm² abs
Outlet Pressure: 5,73 Kg/cm² abs
Differential pressure: 0,7 Kg/cm² g
Flow: 2000 Nm³/h
Absorbed Power: 13,4 kW
Motor Power: 18,5 kW
Max Speed: 2138 RPM



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