AIR FILTRATION SYSTEMS

TAMA® AERNOVA

FABRIC FILTER

FLUE GAS TREATMENT

CASE STORIES

ООО «ТИ-СИСТЕМС» ИНЖИНИРИНГ И ПОСТАВКА ТЕХНОЛОГИЧЕСКОГО ОБОРУДОВАНИЯ
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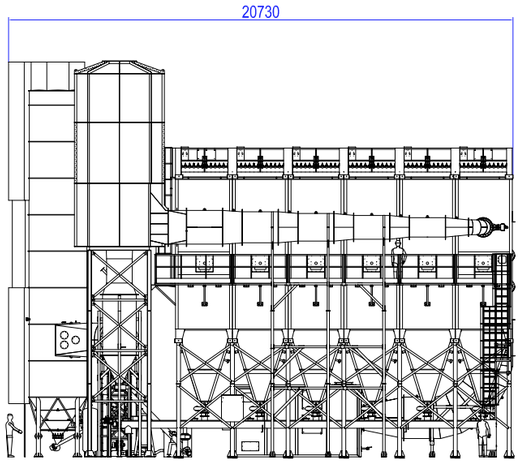
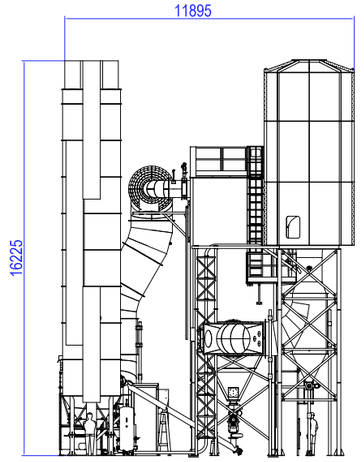
APPLICATION
RDF combustion / gassification

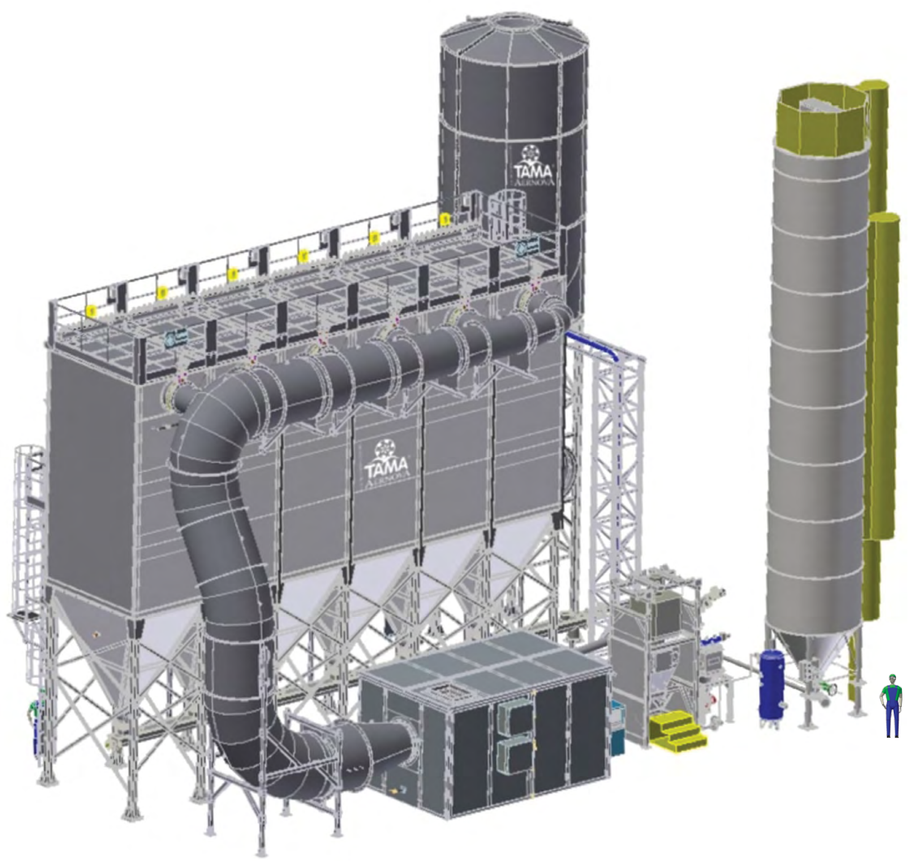
SECTOR
Waste to Energy

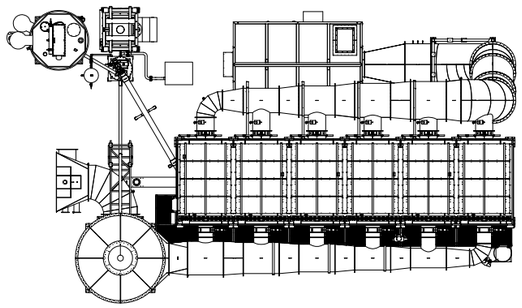
NOM. AIR FLOW
330.000 m^3/h

DETAILS
PULCO AIR BAGHOUSE, thermally insulated, installed for the flue gas treatment generated from the combustion process of municipal waste.
It has been designed in modules to simplify overseas shipment, to minimize assembly operations onsite and to do offline and online emergency maintenance procedure. The supply is completed with the reaction tower and the sorbent injection system in order to reduce the toxic emissions.









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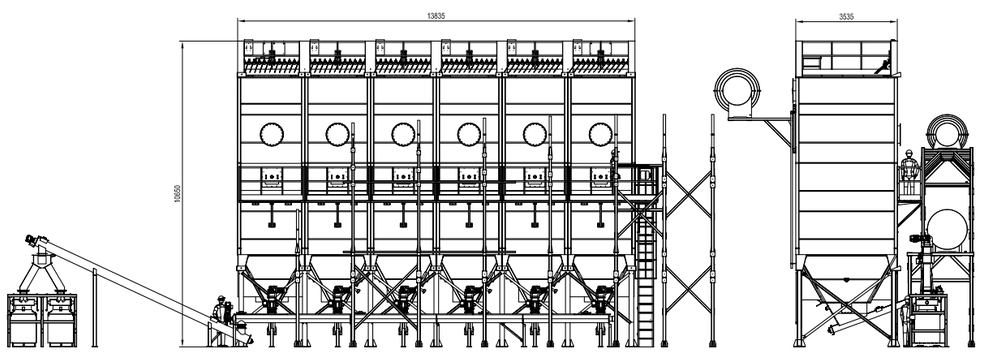
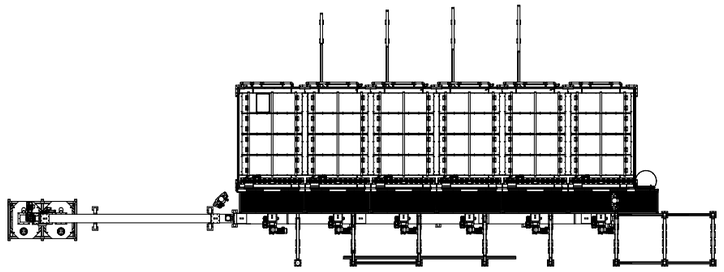
APPLICATION
RDF combustion / gassification

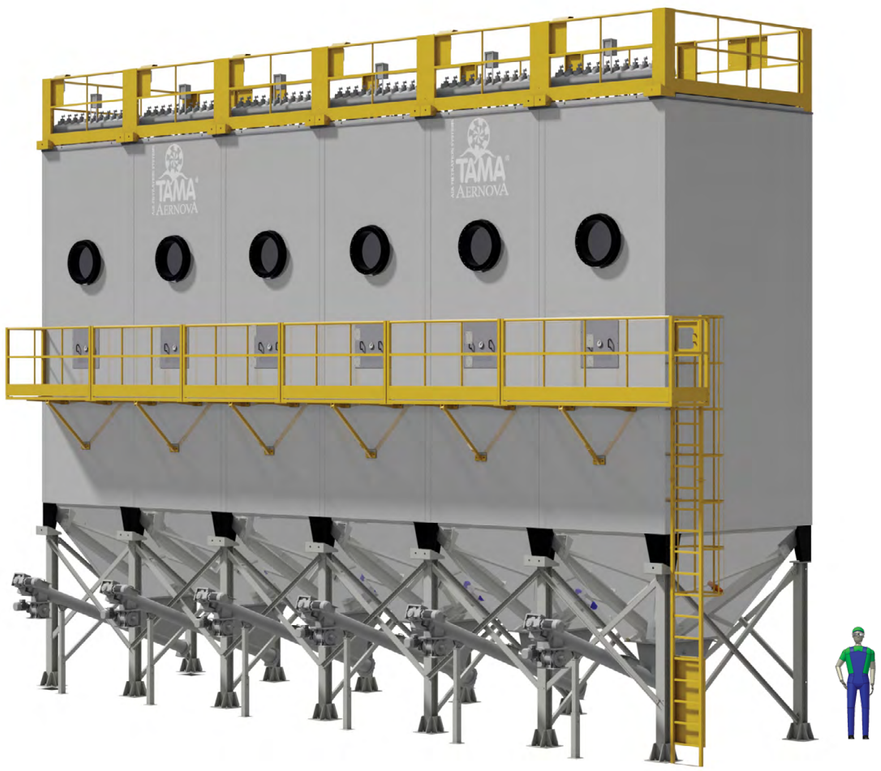
SECTOR
Waste to Energy

NOM. AIR FLOW
220.000 m^3/h

DETAILS
PULCO AIR BAGHOUSE, thermally insulated, installed for the flue gas treatment generated from the combustion / gassification process of RDF.
It has been designed in modules to simplify overseas shipment, to minimize assembly operations onsite and to do offline and online emergency maintenance procedures.







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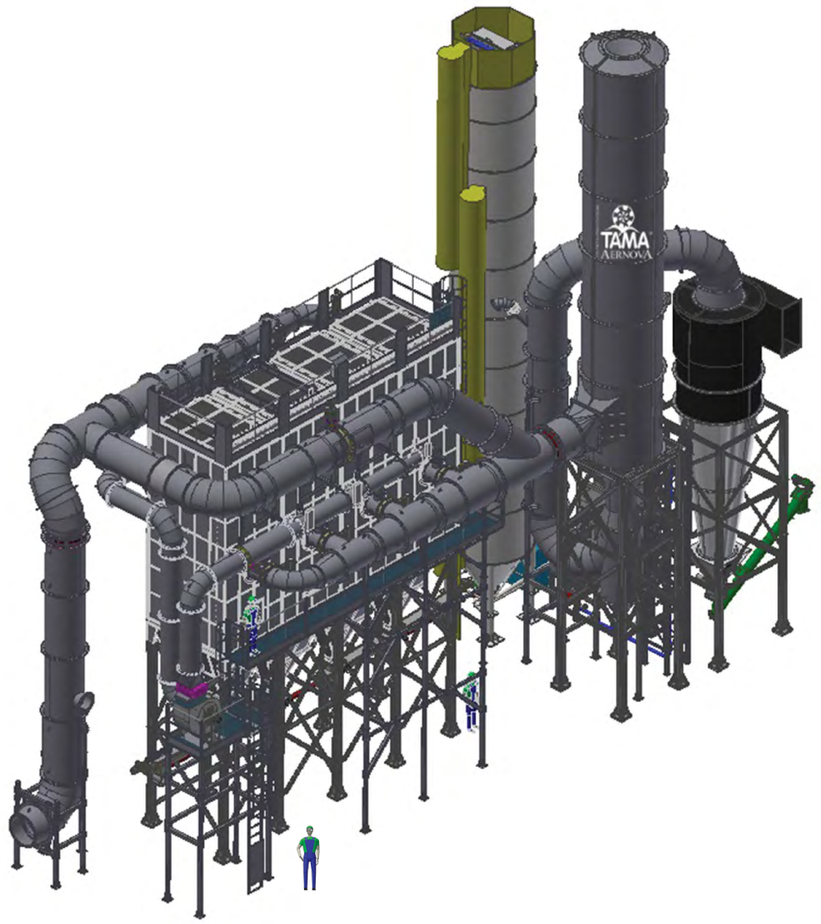
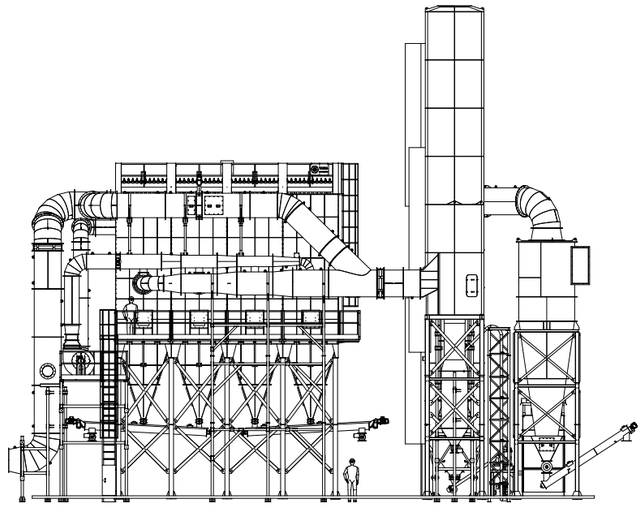
APPLICATION
Municipal waste combustion

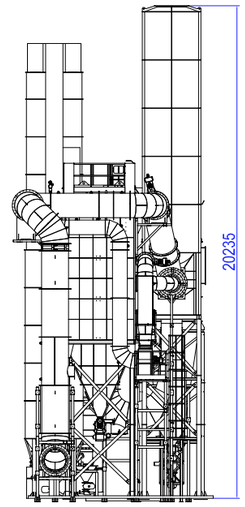
SECTOR
Waste to Energy

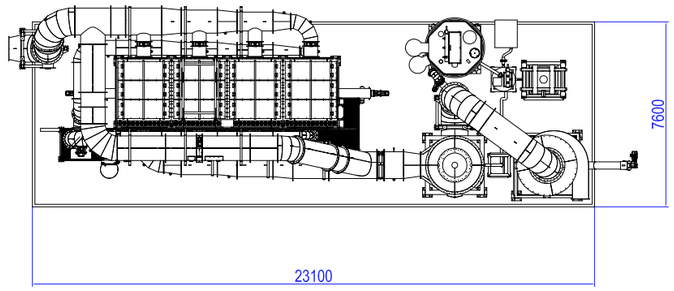
NOM. AIR FLOW
63.000 m^3/h

DETAILS
PULCO AIR BAGHOUSE, thermally insulated, installed for the flue gas treatment generated from the combustion process of municipal waste.
It has been designed in modules to simplify overseas shipment and to minimize assembly operations onsite. The supply is completed with the reaction tower and the sorbent injection system in order to reduce the toxic emissions.









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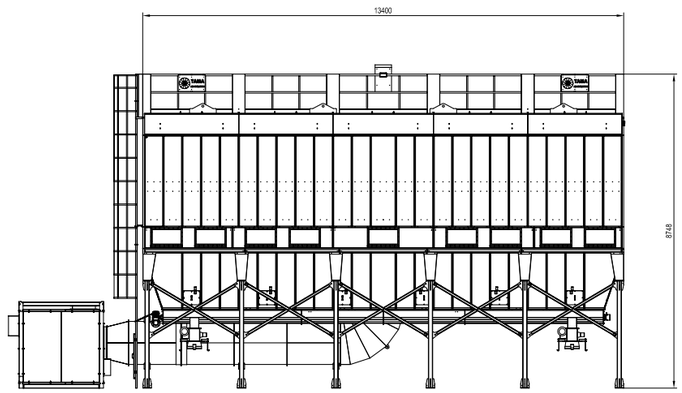
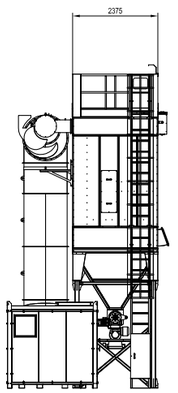
APPLICATION
Epoxy Foam grinding

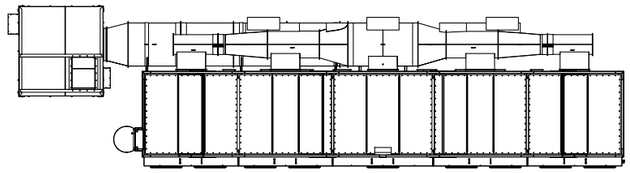
SECTOR
Chemical

NOM. AIR FLOW
60.000 m³/h

DETAILS
PULCO AIR BAGHOUSE installed to filter air from dust and fumes generated during processing of epoxy foam blocks.
The dust collector system is installed to fulfill ATEX regulations with several different safety devices and a special anticorrosion coating.







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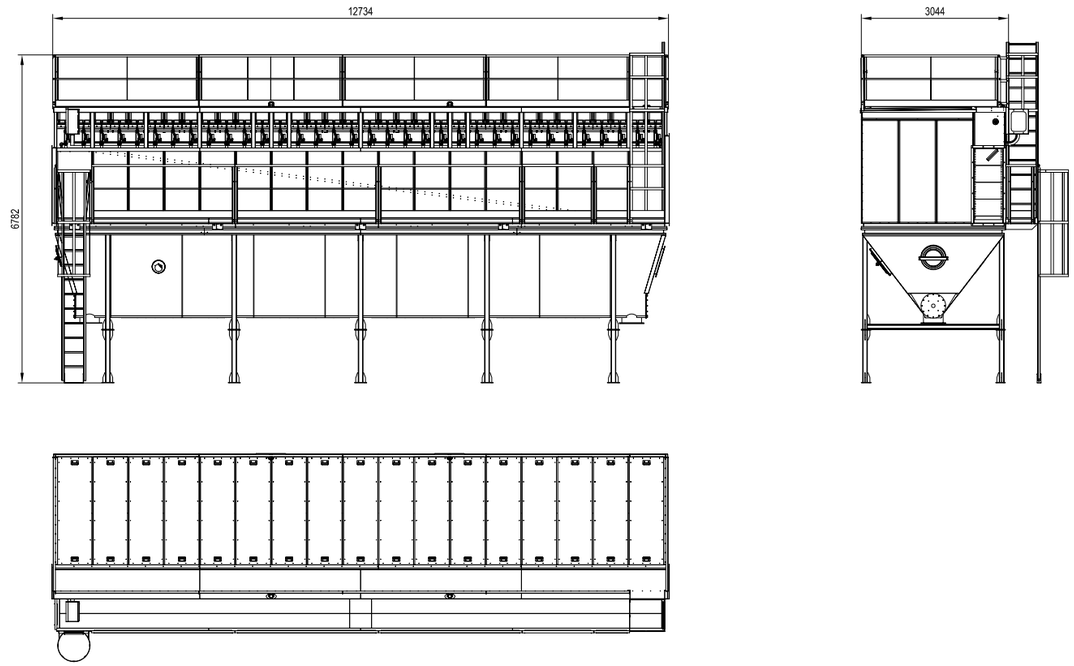
APPLICATION
Asphalt production

SECTOR
Asphalt / Cement

NOM. AIR FLOW
130.000 m^3/h

DETAILS
PULCO AIR BAGHOUSE installed to filter air from dust and fumes generated during a process of asphalt production.
The filter is built with elliptical baghouses in order to reduce its dimensions but able to keep high filtering surfaces.
The filter is suitable for high temperatures and thermally insulated.



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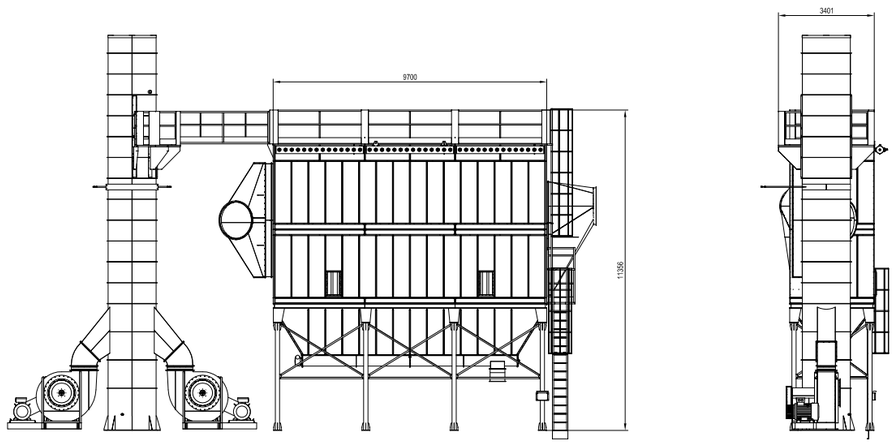
APPLICATION
Waste sorting

SECTOR
Recycling

NOM. AIR FLOW
110.000 m³/h

DETAILS
PULCO AIR BAGHOUSE installed to filter air from dust and fumes generated from the transport, storage and separation of waste. Conveniently designed for the air volumes and the low pressure areas originated by the plant, supplied with fan, connection ducting and chimney.



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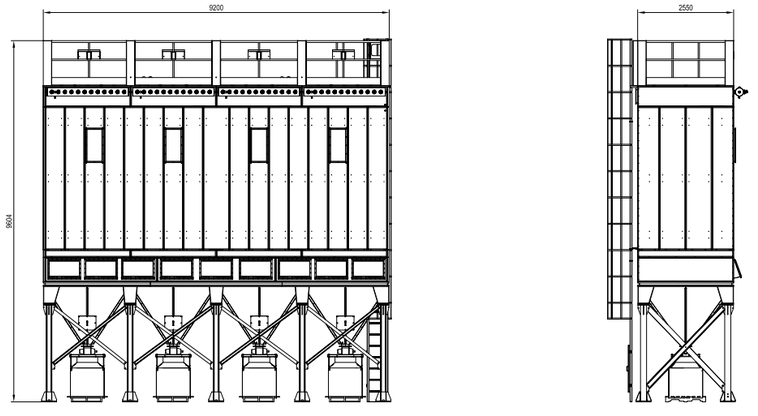
APPLICATION
Polypropylene production

SECTOR
Oil & Gas

NOM. AIR FLOW
73.000 m^3/h

DETAILS
PULCO AIR BAGHOUSE installed to filter air from dust and fumes generated during a process of polypropylene production in a petrochemical refinery. Designed to filter potentially explosive dust, Atex 22 certified, with venting panels and rotary valves for the continuously unload.



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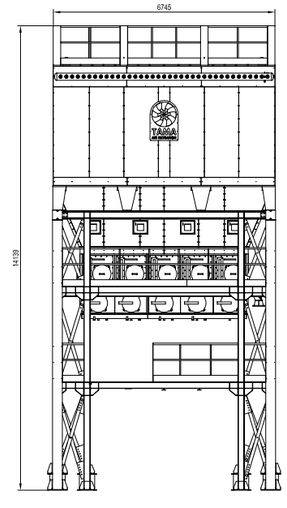
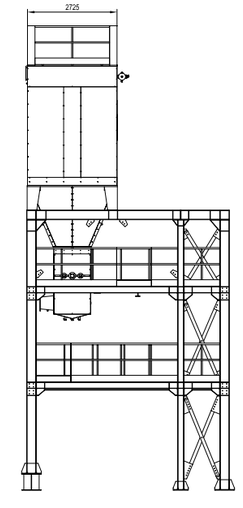
APPLICATION
Fluidized- bed Granulator

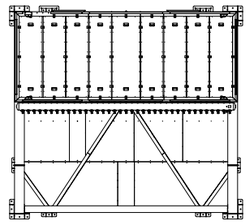
SECTOR
Chemical

NOM. AIR FLOW
60.000 m^3/h

DETAILS
PULCO AIR BAGHOUSE completely made of stainless steel INOX 316 L, thermally insulated with rockwood and stainless steel panels, equipped with hopper conveniently coupled with the fluid bed granulator and internally installed at the height of 10 m on a certified structure according to the EN-1090. The electronic management system monitors and precisely manages the perfect balance of all the components applied, guaranteeing the optimum granulation process from the injection of the slurry to the unloading of the granule.







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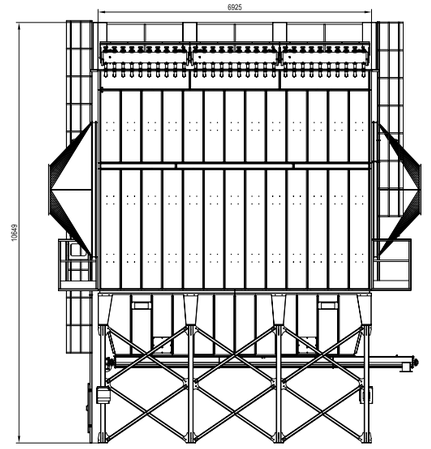
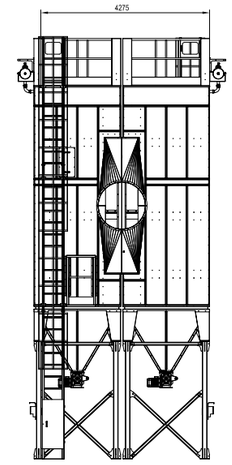
APPLICATION
Australian coal combustion

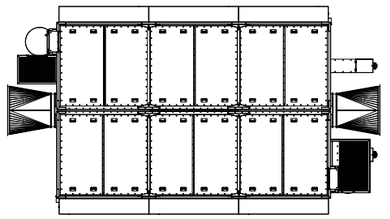
SECTOR
Power

NOM. AIR FLOW
112.000 m^3/h

DETAILS
PULCO AIR BAGHOUSE installed for the flue gas treatment generated by the combustion and the processing of Australian coal. The filter has been designed to optimize the filtering capacity in order to reduce the overall dimensions.
All the component are suitable for high temperatures.







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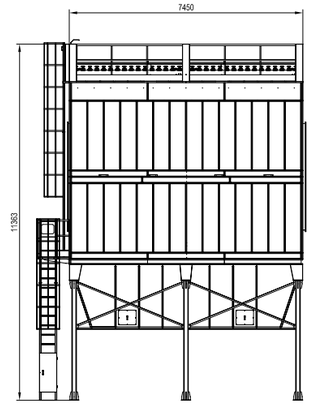
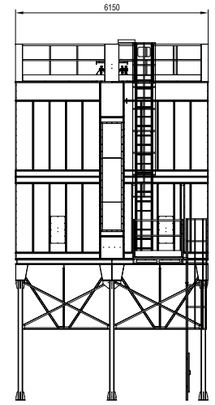
APPLICATION
Cast iron melt processing

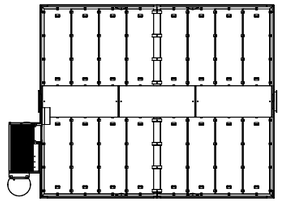
SECTOR
Foundry

NOM. AIR FLOW
110.000 m^3/h

DETAILS
PULCO AIR BAGHOUSE installed for the flue gas treatment generated during cast iron melt processing. The Filter has been designed to optimize the air distribution on the filtering surface. The ash discharging system is capable to work in continuous.







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AIR FILTRATION SYSTEMS

TAMA® AERNOVA

TAMA was born in 1985 in a small workshop in the heart of Trentino, Italy.
In 2002, TAMA France opened in Lyon, while in 2006 TAMA Iberica started operating in Barcelona, to complement the historic Italian headquarters and ensure a strong presence abroad, at European level.
In 2013 we founded TAMA Brasil, in Flores da Cunha, in Rio Grande do Sul State, an opportunity TAMA grasped in order to ensure its presence even in the Latin American market, an area that is experiencing now a strong growth and great development.
In 2016 we opened a new branch in Germany: Tama Entstaubungstechnik GmbH, in Essen, to better fullfil the request coming from a strong market.
In July 2016 was founded TAMA AERNOVA S.r.l. (now S.p.A.) thanks to the transfer of branch of business TAMA S.p.A. and AERNOVA ENGINEERING S.r.l., two companes with a thirty years experience in the field of air filtration. Today many companies in the world rely on our suction systems.

Wherever you are, we can assist you from both the commercial and after-sales point of view, through:

- → **CONSULTING AND DESIGN**
- → **UNSCHEDULED MAINTENANCE OPERATIONS**
- → **SUPPLY OF SPARE PARTS**
- → **ASSISTANCE FOR THE UPDATE ON REGULATIONS AND THE ADAPTATION OF SYSTEMS**

MAXIMUM SAFETY IN CASE OF FLAMMABLE POWDERS ACCORDING TO THE REQUIREMENTS OF THE ATEX DIRECTIVE

In the area of environmental safety we are able to offer you specific design advice in the cases of potentially explosive combustible powders, combining your manufacturing needs with the precisions set out by the Atex.

FLUID DYNAMICS AND STRUCTURAL ANALISYS

Thanks to our experience in the field of filtration, we are able to accept new challenges that allow us to offer our customers high-performance products.

Environmental Certification
UNI EN ISO 14001:2004

Quality Certification
UNI EN ISO 9001:2008

Health & Safety Certification
BS OHSAS 18001:2007

TAMA AERNOVA

ITALY, FRANCE, SPAIN, BRAZIL, GERMANY: FIVE HEADQUARTERS FOR ONE GLOBAL PARTNER

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