

# ROSADA ILS

Advanced Handling Systems and Machinery

Solids handling specialists

TECHNOLOGY

PNEUMATIC AND MECHANICAL CONVEYING SYSTEMS

ENGINEERING

Vacuum conveyors

*Pressure vessels*

*Eductors*

*Spherical dome valves*

BELT CONVEYORS

*Big Bag loaders and un-loaders*

*Couplings*

*De-lumpers*

*Wear resistant liners*

*Weighing and dosing*

*Fluidisation and unclog*

*Switch diverters*

MACHINERY

SERVICE

[rosadails.com](http://rosadails.com)

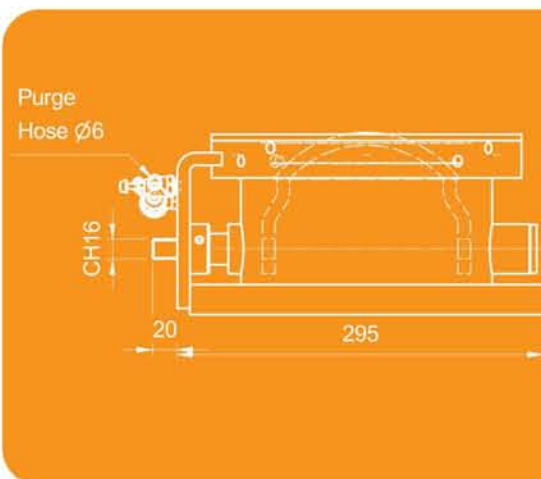
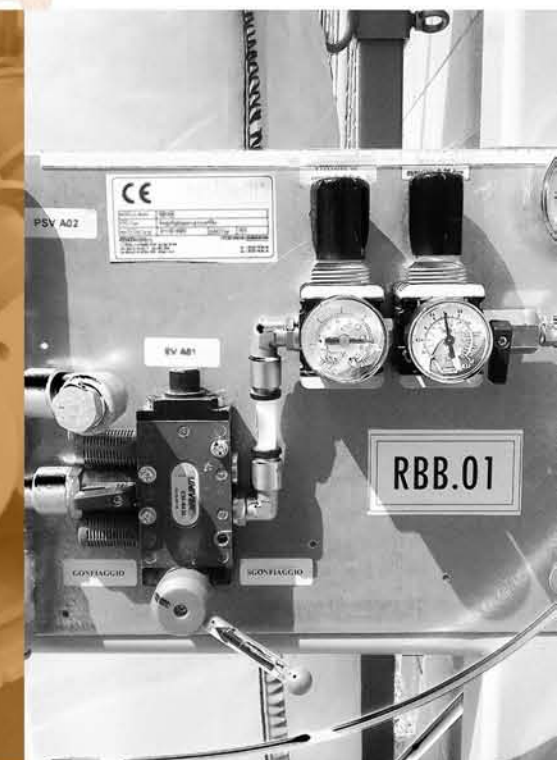
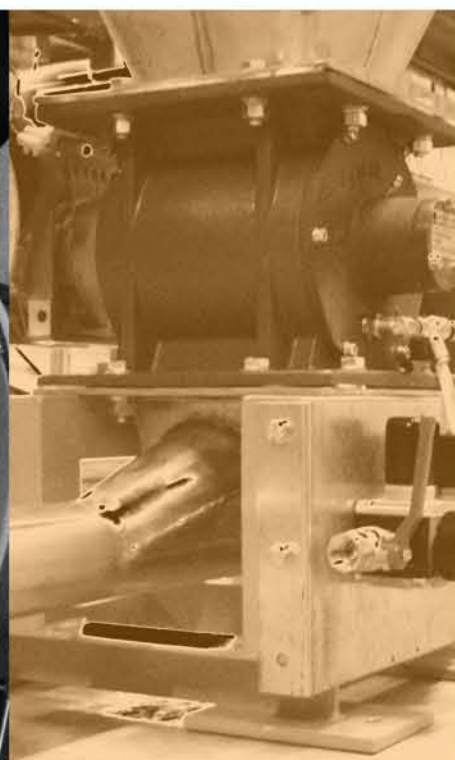
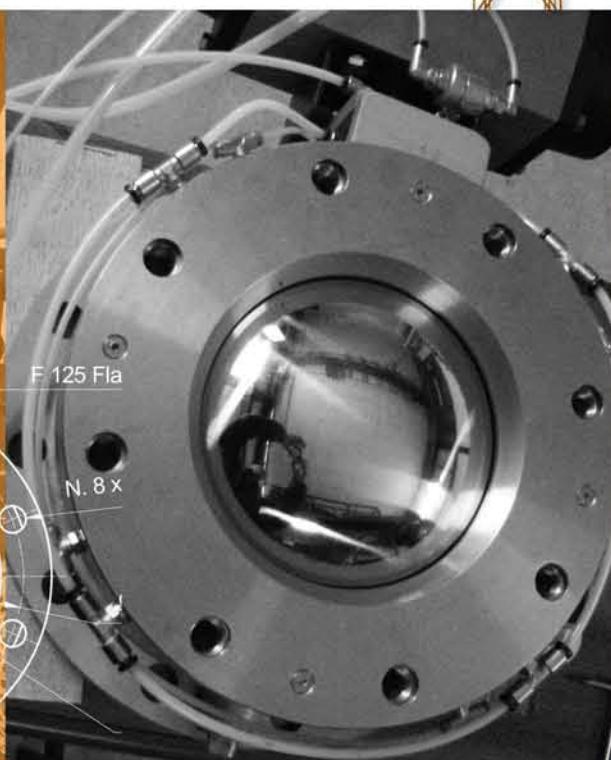
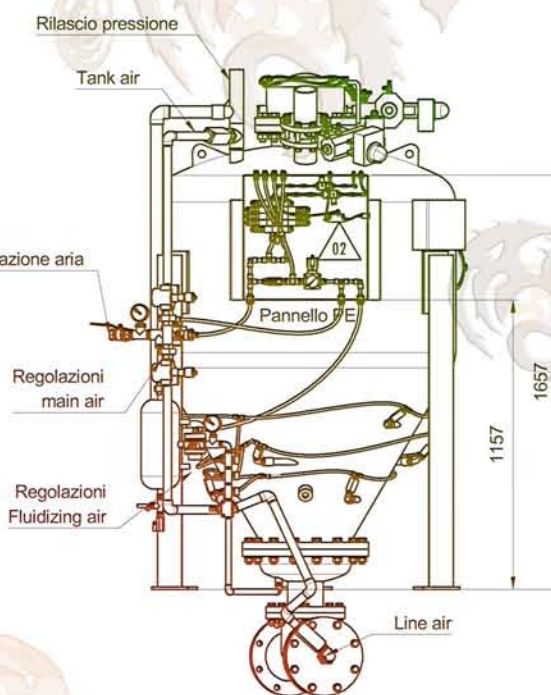
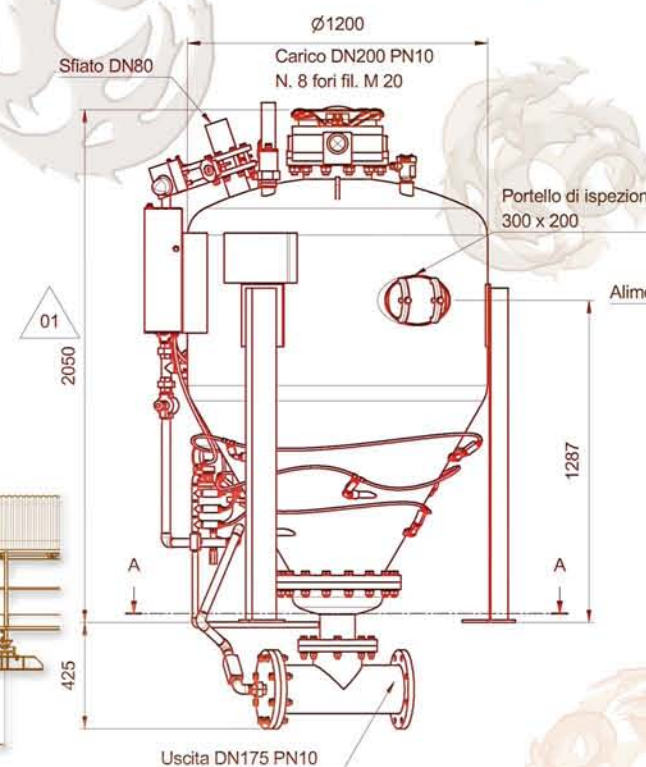
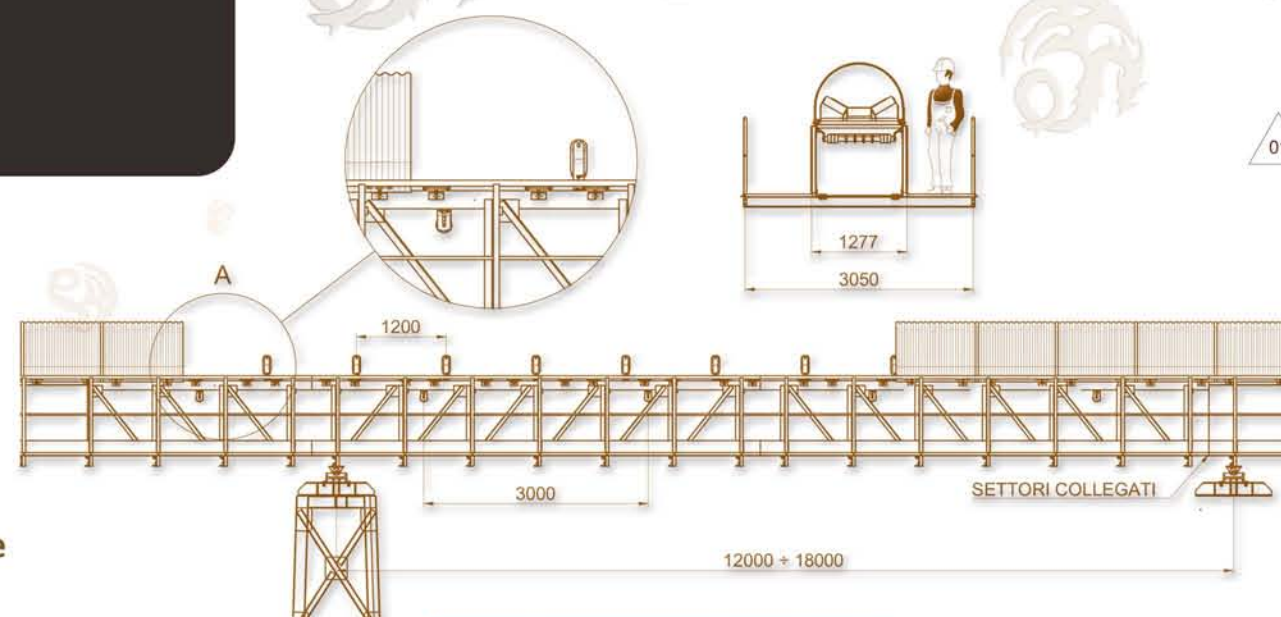


Specialists in reliability, simplicity and profitability of the solutions, we have conveyed our experience in the field of extraction, conveying, dosing and storage of bulk materials in an engineering, equipment manufacture, service and maintenance.

Two years after his birth, ROSADA ILS confirms his enthusiasm, the desire to improve the quality of his work, the reliability of its services.

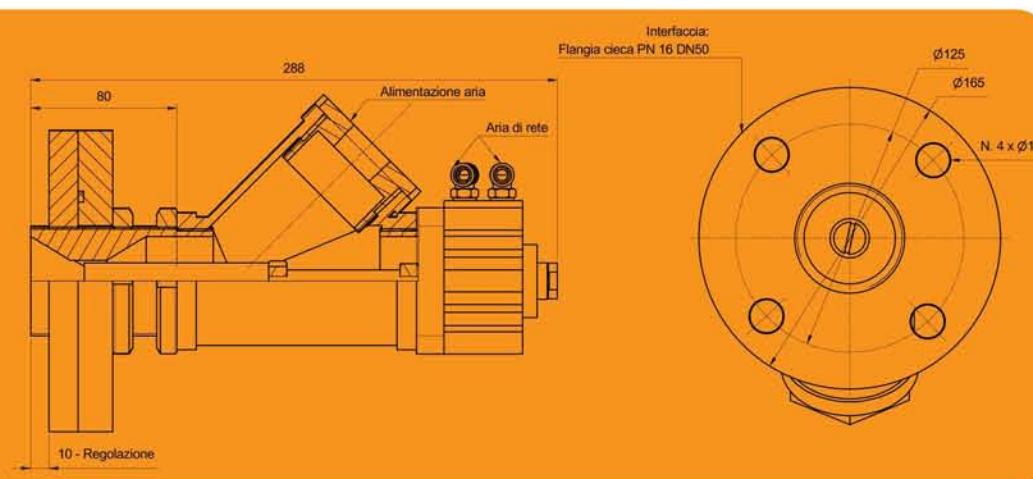
It is not only a response to the market. ROSADA ILS is our passion.

**Your guarantee is our experience**



## In ITALY

is the slogan of the company philosophy of ROSADA ILS. Design, construction materials, activities and on-site assistance. More than 90% of the products offered are made "inside", to the benefit of quality and rapid responsiveness.



An Engineering that will develop your ideas and understand your needs. Making machines and systems expertise.

Offering efficient, technologically advanced solutions, with a ratio quality/price that is always competitive.

Pursuing high construction standards, quality and safety, rather than relying on a mere political of extreme discount and concessional financial terms.

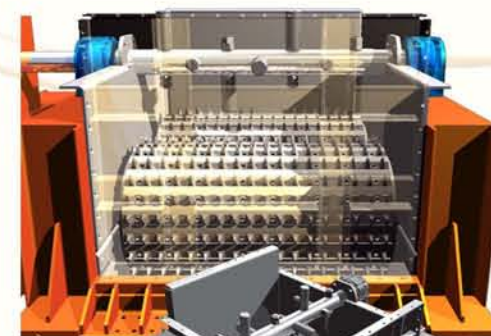
Doing things good. Here are the guidelines dictated by our and your satisfaction.





### PNEUMATIC CONVEYING TURN-KEY SYSTEMS AND EQUIPMENT

Dense phase pressure conveying  
Dilute phase pressure conveying  
Dense phase vacuum conveying  
Dilute phase suction conveying  
Rotary valves/Air-locks  
Piping



### D-LHD

Heavy Duty De-Lumper. Machine for the disintegration of agglomerate material, clods, lumps etc..

Type with counter-rotating toothed rollers

Design flow rate:  $5 \div 50 \text{ m}^3/\text{h}$

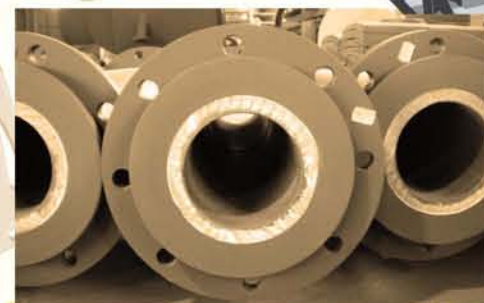
Accepts abrasive materials to medium / high, of size up to 100 mm, with a fraction in clusters of up to 400 mm

Cap external supports

Replaceable cleaning combs, section of steel hook, with surface treatment or hardening steel

Gearmotor, helical or planetary

Accessory breaking clods with rotating reels, with variable profile, depending on the application



### LINED PIPES

Range of pipes with wear resistant liners and coatings, suitable for pneumatic transport of abrasive materials.

These components are a natural complement to the range of pneumatic conveying systems.

- Bends
- Straight pipes
- "T" profile, "Y" profile components.
- Special designs for specific needs.



### VENTURI EDUCTORS

ROSADA ILS offers two different types of Venturi eductors, suitable for pneumatic conveying. The eductors perform the suction of material by means of a vacuum chamber and then push in the line by a Venturi effect.

The standard Venturi eductor picks up the material from the hopper and push it inline.

The coaxial Venturi eductors can perform a similar function to the standard one, but it can also be added along the conveying line, so with this technology we can cover more lengths of conveying.

The pneumatic conveying through Venturi eductors has the following advantages:

- No moving parts
- Quick maintenance
- Low cost



### V-SBB

Big bag unloaders, an emptying machine in modular philosophy, provided in a single structure.

ROSADA ILS provides total customization of the product only for the single purpose. For example, big bag bearing frames were designed for reduced heights available, with elastic recovery systems to accommodate the extension of the height of the big bag while emptying.

Pneumatic vacuum clamping system for easily, quickly and effortlessly big bag sleeve discharge

Custom Systems with screw conveyors and gratings vibrating bottoms, to allow de-lumping and blending of the product when it has agglomerated masses



### J-PACK - Injection Package

System package for dilute phase pneumatic conveying of small rates.

J-Pack installs quickly, is served by a dosing system (such as a micro-dosing) and connects to the conveying line.

Particularly suitable for additives, activated carbon, sorbent, reagent, hydrated lime, sodium bicarbonate and generally fine, mildly abrasive powder.

Rate: 25-3000 Kg/h

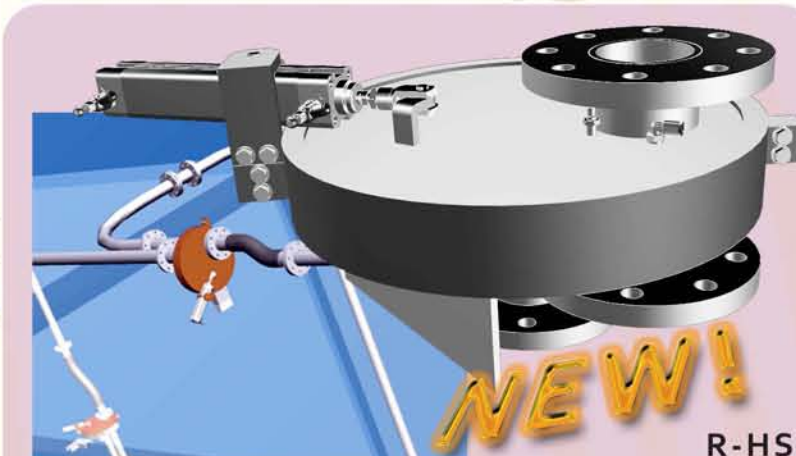
Bulk density:  $0,4 \div 1 \text{ kg/dm}^3$

Feed hopper suitable for difficult and lumping powders.

Rotary valve or eductor.

Exhaust outlet design dedicated to the specific process.

Pressure control systems of line and purge.



### R-HS

Rotating Hose Switch. The generation of ROSADA ILS in-line diverters with flexible hoses.

With an innovative pneumatic lock and seal system, this component provides excellent performance in terms of cleanliness and efficiency and makes it suitable for critical environments such as pharmaceuticals and food.

Among the options, there is a heavy version with an anti-wear coated hose, for Heavy Duty applications.



### M-JET

Small vessel with medium/high pressure, designed to be loaded vertically through a wide inlet, without danger of clogging of the material.

Volume from 25 to 50 litri

Up to equivalent 80 m of conveying line

Various types of cone and implants fluidization.

Standard Version, for food use FDA / USDA, GMP and pharmaceutical applications, for high temperature.



### NEW! P-HPF

Pulse High Pressure Fluidizer. Pneumatic piston component that is distinguished by its low maintenance and versatility of use and installation.

You can adjust according to the mounting position and it is highly customizable.

Radial or tangential fluidization /aeration

Unclog by blowing high pressure and flow

Blending and homogenization of different materials

Air diffusers designed for specific needs

### COUPLINGS FOR PNEUMATIC CONVEYING

ROSADA ILS use conveying pipelines with the classic flanged union or propose as an alternative, depending on your needs, the following products:

- Low pressure band couplings
- High pressure band couplings
- Various types of flexible joints, with a smooth end, flanged, clamp etc.
- Expansion joints, standard model but also special wear-resistant joints with coatings of basalt/alumina ceramic.



### V-PACK - Vacuum Package

Pneumatic suction that keeps highly customizable depending on the needs and issues.

From the model guide - tank with suction intake and filtration system with counter-current purging - all possible applications develop, from batch conveying in high vacuum to low pressure continuous suctions, from heavy duty storage of powders and granules controlled feeding dosing for to food and health environment.

Manufacture in mild or stainless steel, mirror polished AISI

Hinged lid system rather than completely removable, so as to facilitate the removal and insertion of filter elements, baskets and kept even in the context of space and freedom of movement restricted.

Electro-pneumatic or fully pneumatic operation



### NEW! DOME-RILS

Spherical dome valve with inflatable sealing ring, TOTALLY MADE IN ITALY.

ROSADA ILS presents a robust and reliable machine, suitable for the materials and conditions of employment the more difficult, as the high abrasiveness (wear and tear) and high temperature.

Inflatable seals with specially designed sections, material silicone, Viton and other

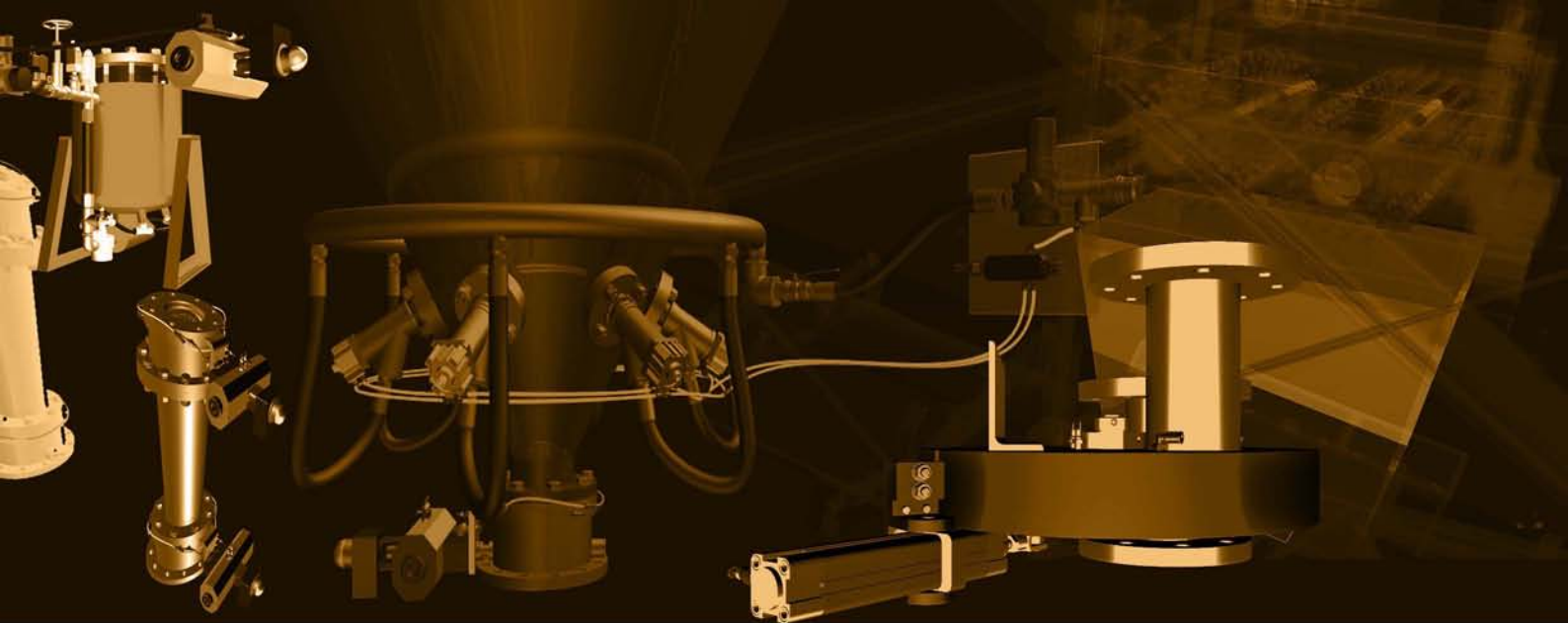
Cleaning system of the shell with a blade of air pressure

Manufacture in steel, alloys, aluminum and other

Coatings and surface hardening







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