

LEADER IN ADSORPTION TECHNOLOGY



PSA NITROGEN GAS PLANT

- Fully automatic operation - The operation is simple, the performance is stable, the automation level is high, and it can be realized without operation.
- Highest reliability - The control system allows for the production of nitrogen at the specified flow and purity within minutes of demand using simple push button.
- High Purity - Special carbon molecular sieve protection measures to extend the life of carbon molecular sieve.
- Modular skid design to save land area.
- Easy Maintenance - Only routine maintenance is required. All components are easily accessible.
- Accessories - Optional touch screen display, dew point detection, energy saving control, DCS communication and so on
- Nitrogen purity - 99%-99.99%



SPARES

- Carbon Molecular Sieves
- Air Filters
- Solenoid Valves
- Auto Drain Valves
- Oxygen Sensors & Analyzers
- Dew Point Meter

HEATLESS DESICCANT AIR DRYERS (IP SERIES)

Heatless Desiccant Air Dryers works on pressure swings adsorption (PSA) system.

Heatless Desiccant Air Dryer has pair of pressure vessels (tower 1 and tower 2) filled with desiccant. Desiccant is a spherical shape porous adsorbent which adsorbs water molecules from wet compressed air

OPERATING RANGE

- Capacity : 100 To 5000 m³/hr
- Inlet Air Temp : 10 To 60 Degree C
- Pressure Dew Temp : -20 Degree To -40 Degree C

APPLICATION

- Packaging
- Paper Industry
- Painting
- Power Plants
- Textile
- Cement
- Pharma
- Food Processing

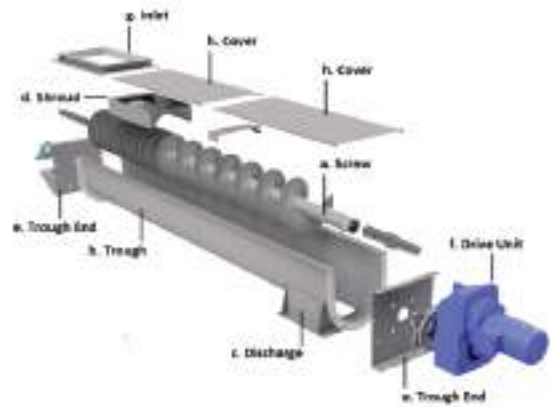


SCREW CONVEYOR

Screw conveyors are volumetric conveying device, with each revolution of screw volume of material discharge.

Screw conveyors are one of the cost effective way for conveying bulk materials that can handle wide variety of dry, free-flowing products.

A variety of flight configurations are available to meet specific customer demand. If required we can apply special coating or weld hard facing to increase screw life.



ROTARY AIRLOCK VALVE (RAV)

INERTECH's Rotary Valves and Airlocks are designed to handle the various types of product & various application from metering duties, pneumatic conveying.

The function of the airlock is to hold pressure or vacuum in a pneumatic system, and to feed products into conveying lines, or storage areas, (bins, tanks, hopper, etc.)

The Airlock rotor is precision machined to obtain the desired high degree of accuracy and close tolerance. Rotors may be supplied either with fixed or adjustable tips. The airlock rotor is mounted on bearings at each end of the rotor shaft. Rotor clearance is small to prevent excessive air leakage back to the product inlet.

APPLICATIONS

- Regulatory Feeding
- Dust Collection
- Pneumatic Conveying System
- Cyclone Separator.



ACCESSORIES



INDUSTRIES WE SERVE



Pharmaceuticals



Chemical



Agriculture



Food



Metal



Cement

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