

**AIRLANCO** 



## AIRLANCO | Fabricated & Machine Airlocks

### Built to Meet the Demands of Any Application

AIRLANCO Airlocks are used when dry solids need to be moved between areas of differing air pressure. They are located in AIRLANCO's Pneumatic Conveying Systems and they are an essential component in our popular dust collection systems and cyclone receiver installations. AIRLANCO manufactures models for low and high differential air pressure systems, gravity feeds and volumetric discharge devices. Manufacturing techniques refined over thirty years in the air management industry enable AIRLANCO to meet the demands of a diverse range of applications. To build an AIRLANCO Airlock, our engineers will evaluate the overall needs and the materials processed. AIRLANCO will ensure each customer receives equipment properly designed for every specific requirement.

### Fabricated Airlocks for Low-Pressure Applications

Typical Installations include, dust collection handling, plastics, feeds and corrosive chemicals where pressure differentials are 20" of water column or less. Urethane Wipers provide an extremely tight fit between the rotor and housing and are simple to replace. Square and Round inlets and outlets are available. Fabricated Housings come in carbon or stainless steel. Chain Drive Option incorporates right angle gear reducers and allows changing rotor speed and throughput capacity by changing drive sprockets. Fabricated Rotors are made from either carbon or stainless steel and come in an open-end 6-vane configuration

### Machined Airlocks for Higher Differential Applications

Typical Installations are found where abrasive or difficult materials are encountered or where materials are conveyed under pressures exceeding the 20" water column level.

Rugged Cast Housings made from carbon or stainless steel provide outstanding abrasion resistance and exceptionally long service life.

Standard Packing Gland Seals prevent infiltration of materials into sealed bearings.

Tight Tolerances of 4 to 6 thousandths of an inch are maintained in machining the rotor to housing fit.

Chain Drive Option incorporates right angle gear reducer and allows changing rotor speed and throughput capacity by changing drive sprockets.

Square and Round inlets and outlets are available.

Welded and Machined Rotors made from carbon or stainless steel come in open or closed-end 8-vane configurations. Plain, beveled and adjustable tips are available.

