



Supreme Air Products Corp. The next generation of compressed air products do more, and do it better.

# Air Conveyor

## Installation & Maintenance Guide

Air Conveyor is designed to convey  
Parts, Waste, Materials – No Moving  
Parts or Electricity



Version 1.0



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## 01 Recommended Hose Runs

LENGHT OF RUN	SIZE OF PIPE/HOSE
1 - 25ft	Use ¼" pipe or 3/8" air hose
25 - 50ft	Use 3/8" pipe or ½" air hose
50ft and above	Use ½" pipe or larger

## 02 Compressed Air Supply

\*\*All filters should be installed within 10-15ft of the Air Conveyor. It's important to use supplied fittings to minimize possibility of air restriction.

### **Water removal**

Minimum 10 micron filter, with an automatic (float type) drain.

### **Oil removal**

Use an Oil filter installed downstream from the water filter if oil is a concern. Again this should be fitted with an automatic (float type) drain.

## 03 General Operation / Installation

The Air Conveyor can be mounted by utilizing the ¼"-20 mounting holes on the unit, or by simply using a clamp. For extra strength, mounting brackets can be attached on both the inlet and outlet sides of the unit.

### **To increase conveying distance and faster flow rates**

- Increase the size of the holes in the 'flow generating unit' by 1/64" intervals and then test each time for the desired flow rate.

### **To decrease force**

- A regulator may be added downstream from the oil/water filters to reduce the pressure to control the rate of flow required.

# 04 Cleaning      05 Troubleshooting

## 04 Cleaning

Simply disassemble the unit, and clean all surfaces using a mild solvent and rag. Be certain that the holes of the 'flow generating unit' point toward the outlet when re-assembling. To prevent contaminants from re-entering the Air Conveyor, pass compressed air through the unit.

## 05 Troubleshooting

There are many factors that can cause the reduction in vacuum and/or flow. Undersized airlines, restrictive fittings, or clogged filter elements are common areas to check. If you suspect below average performance, install a pressure gage at the inlet of the Air Conveyor.