

# PNEUMATIC HOISTS

## AT A GLANCE

### What is a Pneumatic (Air) Hoist?

Pneumatic hoists can be designed to use chain or wire rope. Pneumatic hoists, often referred to as air hoists, utilize a rotary or piston-driven motor powered by compressed air. Air passes through the system and cools the hoist as it operates, so air hoists can run continuously without rest or risk of overheating—unlike an electric hoist system.

### Applications

Air hoists are ideal for industrial and heavy duty production environments and perform exceptionally well in high-speed and heavy-usage environments with constant start and stop. They have a high lifting capacity (up to 100 tons) and are unaffected by high-heat environments. Air hoists are frequently used in explosion proof environments and can be configured to be spark-resistant using brass or stainless components.

A pneumatic air hoist is only as good as the quality of the air, air flow, and pressure that it receives for it to work at its rated capacity and performance.

### Types

#### Air Chain Hoists

- Offer rugged construction, minimum head room, low maintenance, and are impervious to dust and humidity—making them ideal for manufacturing, power, and industrial facilities
- Excel in places where safety is paramount because compressed air does not generate sparks, making it the preferred choice in hazardous areas

- Allows for variable speed controls and precise load spotting where heavy items are lifted and positioned as part of production or warehousing

#### Air Wire Rope Hoists

- Strength and productivity for lifting and position virtually any load
- Available in a wide range of capacities and lifts to suit any industrial, spark-resistant, or hazardous application



*Pneumatic Chain Hoist*



*Pneumatic Wire Rope Hoist*

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