

HVAC Basics: Compressors, Ducts, Filters, and Real-World Applications

Category: Refrigeration

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HVAC Basics knowledge

#hvac

HVAC BASICS

TYPES OF COMPRESSORS

- Reciprocating Compressor
- Scroll Compressor
- Screw Compressor
- Centrifugal Compressor

DUCT TYPES

- Rectangular Duct
- Circular Duct
- Oval Duct

FILTERS IN HVAC

- Pre-Filter
- Fine Filter
- HEPA Filter

HVAC APPLICATIONS

- Residential Buildings
- Commercial Buildings
- Industrial Plants
- Data Centers



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HVAC basics start with understanding how compressors, ducts, and filters work together to move heat and clean air in any building. From reciprocating and scroll compressors to rectangular and circular ducts, each choice affects comfort, energy efficiency, and reliability in residential, commercial, industrial, and data center applications.