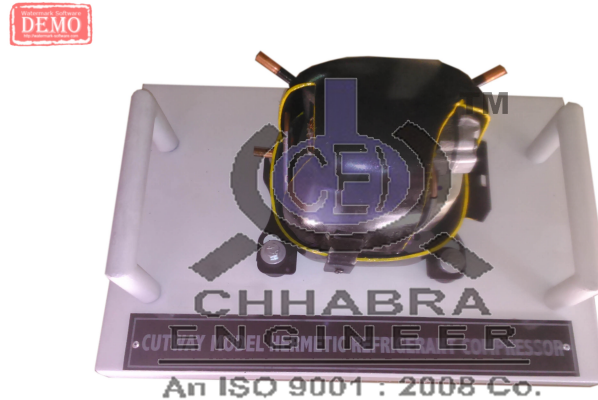




Product Name : " CUTWAY – MODEL HERMETIC REFRIGERATION COMPRESSOR "

Product Code : " R.A.C 09 "



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Description :

CUTWAY – MODEL

HERMETIC REFRIGERATION COMPRESSOR:-

AIM:-

Cutaway model of an industrial refrigeration compressor

- Layout and function of a hermetic refrigerant compressor

INTRODUCTION:-

Hermetic compressor directly to the compressor with direct connected motor compressor Assembly has the steel case. It is designed for pump low pressure refrigerant gas high pressure.

Pressurized container, tightly closed so that no gas or liquid may enter or escape. Welding container seal.

Hermetic compressors Tecumseh low pressure shell, or housing. This means that the interior of the compressor housing is regulated only **suction pressure**. He is not subject to discharge created with the help of the piston. This point is emphasized in order to emphasize the danger of introduction of high-pressure gas compressor shell pressures over 150 pounds per square inch.

Major of internal parts **hermetic compressor** are shown in Fig. 9-10. The suction is drawing in the compressor shell and then by an electric motor that provides power to the crankshaft. The crankshaft rotates in bearings, the movement of a piston or pistons in cylinders.

The crankshaft is designed for transportation of oil from the oil pump at the bottom of the compressor for all bearing surfaces. REFRIGERANT gas surrounds the crankcase of the compressor and motor, as it passes through the compressor shell and the cylinder, through the suction muffler and suction valves. The gas is compressed pistons, and went out through a pressure relief valves silencer, and the compressor discharge tube.

TECHNICAL SPECIFICATION:-

Hermetic refrigerant compressors like, e.g., the have a welded sheet steel housing. The drive motor and refrigerant compressor are fitted in this capsule. Unlike open compressors, the refrigerant compressor is directly connected to the drive motor and therefore does not require any floating seal. The motor compressor is suspended by springs in the capsular housing which minimizes the transmission of vibration to the capsule body, thereby reducing noise emission.