

Scroll Refrigeration Compressor

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High Speed Air Abrasive Wheel Cutter



Used to cut open compressor shell





Bottom Scroll



Top Scroll



Rotation Preventer



Sealing

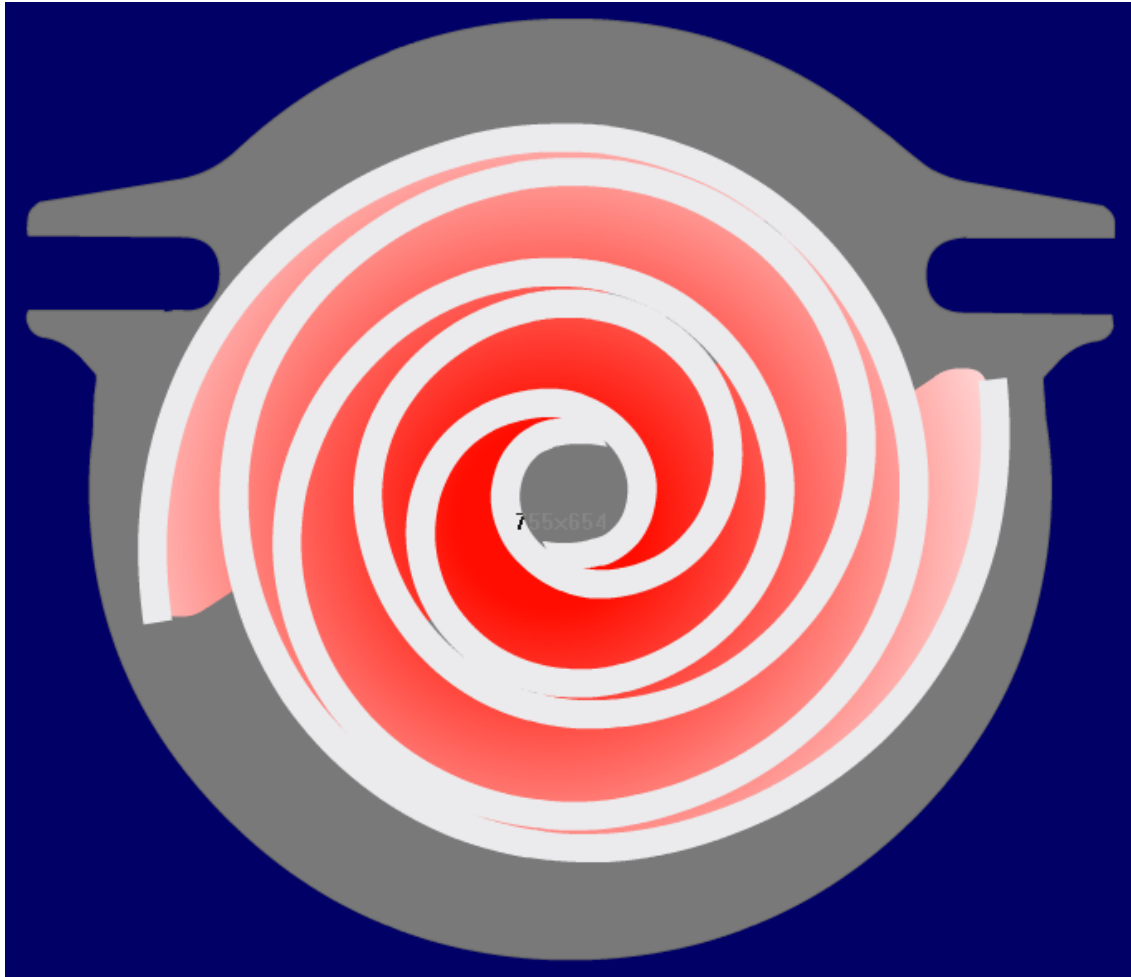
Vertical: Solenoid effect pulls motor's rotor up, thereby pressing scrolls and rotary transfer ports together.

Radial: Centrifugal force seal the scrolls against one another.



Anamation of Scroll Compressor

<http://www.emersonclimate.com/en-US/products/PublishingImages/HowScrollWorks.swf>



Advantages over Piston Compressor

No input valves

Can pass liquid

Higher volume metric efficiency

Reduced vibration

Automatic head unloading