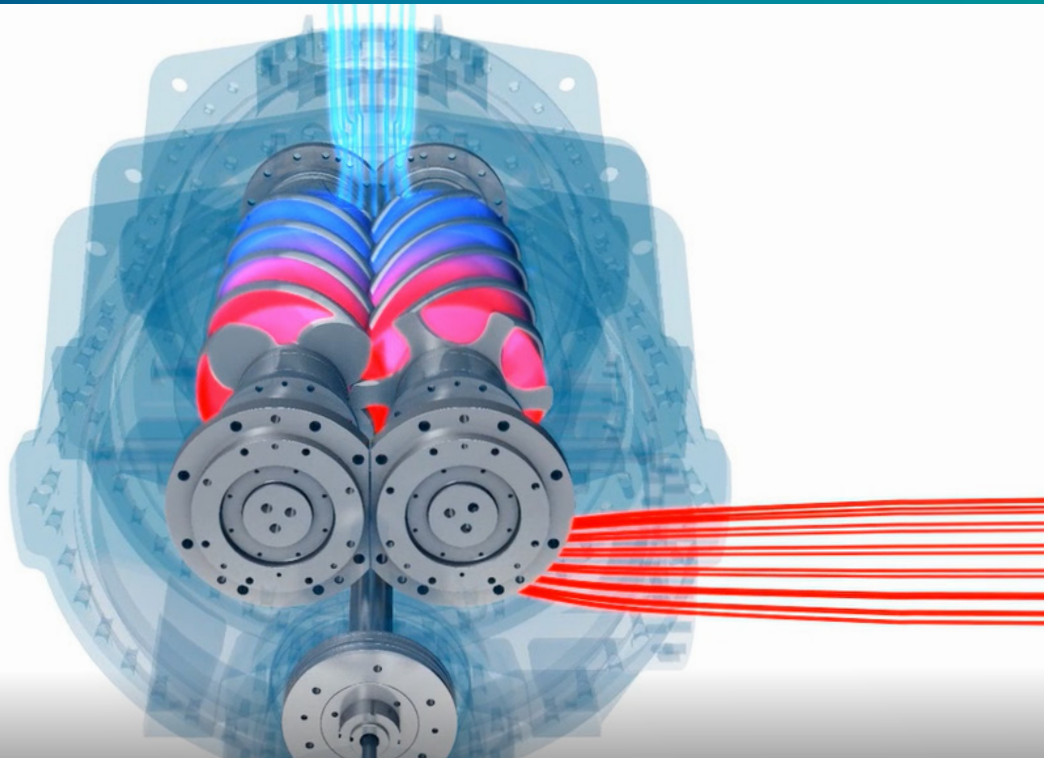


WRVT 510 range

Oil injected screw compressors

Now enabling large flow, single stage project duties, directly driven up to 13,500 CFM



Features and benefits

- Hydrodynamic sleeve journal bearings and tilting pad thrust bearing arrangement for long operational life
- Advance rotor profiles combined with high capacity lobe configuration to retain high efficiency levels
- 3 years continuous operation and minimal operator interface due to hydrodynamic bearings and proximity probes axial position monitoring
- Low maintenance requirements
- API 619 compliance offering
- Automatic capacity control
- Material options: Cast steel, Spheroidal graphite iron, LT steel casing material; NACE compliance option; C55 forged steel rotors
- Available on Howden Select compressor selection software

Howden's well proven WRVT510 range is a highly reliable and versatile compressor suitable for a number of applications including process and industrial refrigeration, tail gas and coal gas methane.

Through continued innovation, the original and reliable WRVT510 screw compressor has been expanded and we are now pleased to offer the WRVTF510 variant to the range.

This compressor includes all of the benefits of the WRVT510 but with the introduction of a high-speed cartridge shaft seal.

Different seal variants such as single wet mechanical, pressurised double wet back-to-back and wet/dry combined can be accommodated with minimum modifications to the compressor casings.

This high capacity compressor, enabled by direct drive configurations, operates at speeds up to 3000rpm.

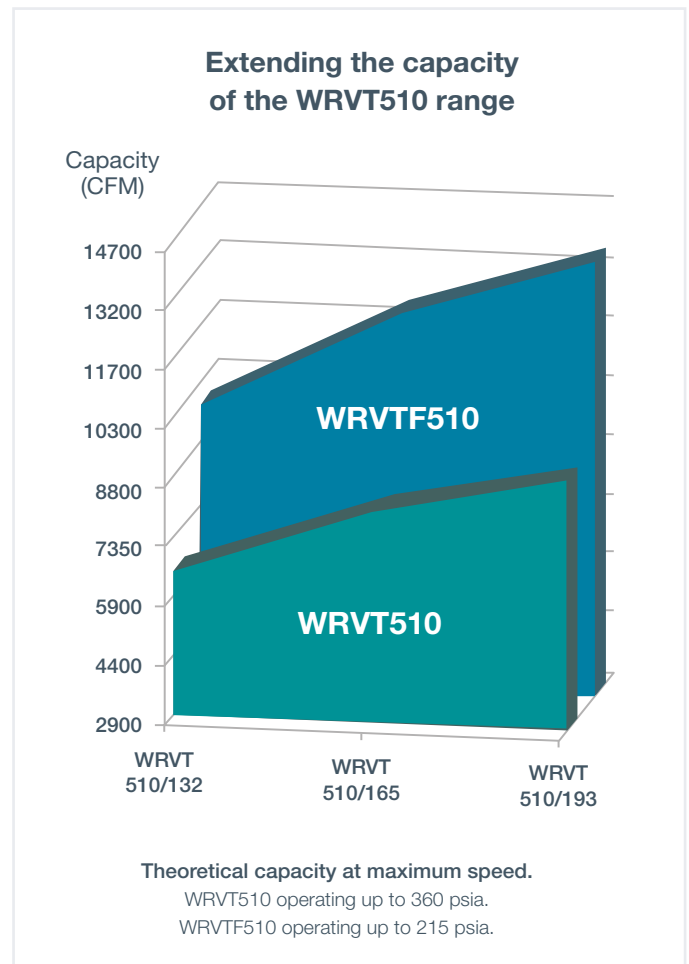
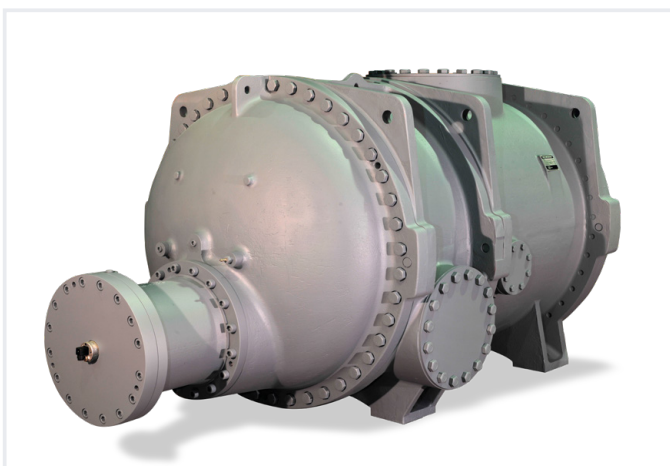
The WRVTF510 offers over 30% increase in capacity and retains the same robust compact design.

This compressor model eliminates the need for a gearbox and therefore minimizing costs and improving overall package reliability.

This new addition to our portfolio allows Howden, a Chart Industries Company, to offer a compressor that meets the specific large capacity, and pressure needs of our customers.

Comparative performance between WRVT510 and WRVTF510:

		WRVT510/193	WRVTF510/193
Speed Range	rpm	700 – 2000rpm	2001 – 3000rpm
Theoretical Volume @ Max. Tip Speed	CFM	9100	13700
Max. Pressure Difference	psia	350	160
Max. Inlet Pressure	psia	100	60
Max. Outlet Pressure	psia	360	215
Min. Inlet Temperature	°F	-75	-75
Max. Inlet Temperature	°F	120	120
Max. Outlet Temperature	°F	230	230
Max. Oil Supply Temperature to Bearings	°F	160	120
Available Seal Options		API Plan 11, 72/75, 52, 53B	API Plan 11, 72/75, 52, 53B



Start your screw compressor selection today:

Howden Select will match our most efficient and economical screw compressors to your application requirements.

[howden.cloud/selectsheet](https://www.howden.cloud/selectsheet)

For further information contact:

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