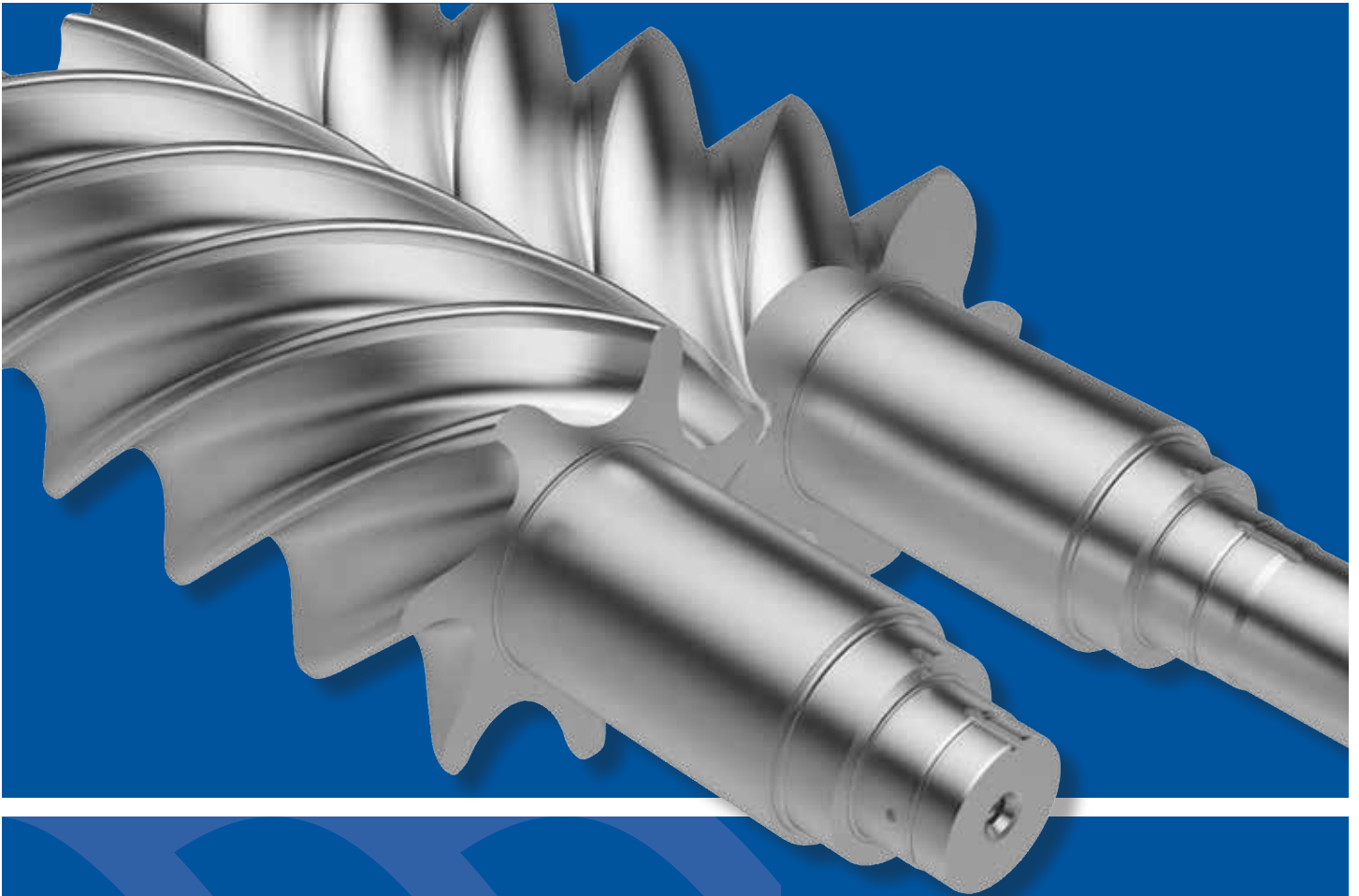




PROCESS SYSTEMS



The Worldwide Leader in
High-Capacity Screw Compressors

Proven Excellence in Compressor Design, Engineering, Testing and Manufacturing

When it comes to process refrigeration and gas compression systems, selecting the right compressor is perhaps the single most important factor in achieving successful plant operation over the long haul.

So it's important to know that York® Process Systems is the world's leading manufacturer of compression systems for the process industries.

We have more than 135 years of compression experience, coupled with design, engineering and manufacturing excellence, proven in thousands of installations across the globe. This know-how means you can rely on our systems to meet the exceptional demands of your critically important processes.

No matter your application – fuel gas boosting, open cycle process gas compression, or closed cycle refrigeration – and no matter what capacity you're looking for, we can offer a large capacity solution tailored to your specific needs. We have the industry's broadest range of oil-flooded screw compressors, with options including anti-friction or API 619 compliant sleeve bearing designs.

All designs are tested and verified in our brand new, leading-edge Screw Compressor Test Laboratory, and backed by our more than 300 service offices strategically located around the globe.

Bottom line? Reliable, efficient, innovative systems that will serve your needs for decades to come.



Series 408 Sleeve Bearing Tilting Pad Rotary Screw Compressor



Tilting Pad Thrust Bearing



Sleeve Bearing

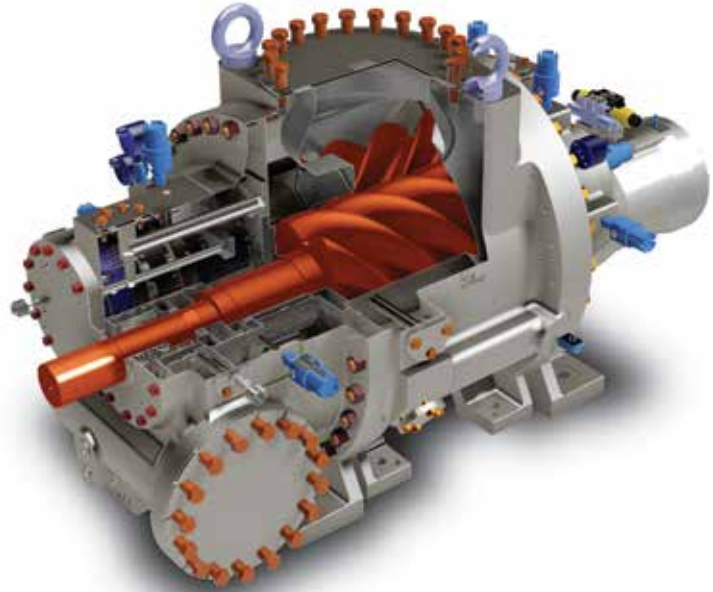


Anti-Friction Bearings



High-Capacity, Oil-Flooded Screw Compressors

- Capacity up to 8,212 CFM (13,952 m³/hr)
- Housings available in ductile iron and cast steel
- Frick® high-efficiency profile, forged steel rotor design
- Variable capacity control from 100% down to 15%
- Variable volume ratio control
- Roller-type radial and thrust bearings, or sleeve-type radial bearings and tilting pad thrust bearings
- Externally accessible proximity probes and bearing RTDs
- Compliant with Standard API 619



Our State-of-the-Art Screw Compressor Test Laboratory Allows You to Buy with Total Confidence

Our new high pressure, variable speed Screw Compressor Test Laboratory is one of the largest, most sophisticated testing laboratories in the screw compressor industry.

At 7,000 square feet, the \$6.7 million facility features the latest testing technology to verify compressor capabilities, capacity and power ratings with unsurpassed accuracy.

With it, we are uniquely capable of precise load testing to confirm performance of our array of large screw compressors that support refrigeration and gas compression applications in the oil and gas process industries.

The resulting data allows you to purchase equipment with the highest degree of confidence.



At the heart of the new lab is a 5,000 HP variable speed electric motor. The test loop is rated for 1,100 psig, supporting test conditions up to 1,000 psig discharge pressure. An ammonia refrigeration system equipped with a Frick® RWFII 177 screw compressor with electric motor drive is used along with a cooling tower to remove heat of compression and achieve desired suction temperatures. The lab operates on nitrogen, with the ability to model a wide range of gases.



Our new testing lab stands as unequivocal proof of our commitment to – and confidence in – the industry and its bright future.

CHEMICAL • PETROCHEMICAL • OIL • GAS • PHARMACEUTICAL • INDUSTRIAL GASES

Rock solid reliability™



PROCESS SYSTEMS

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