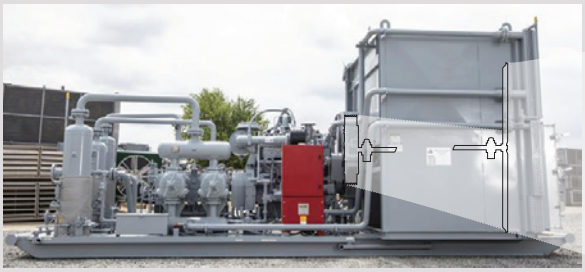
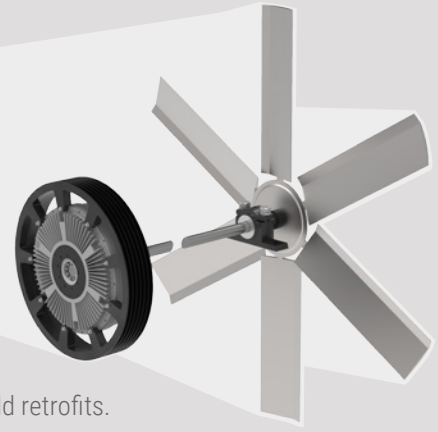
Gas Thermal Control Clutch for Gas Compressors





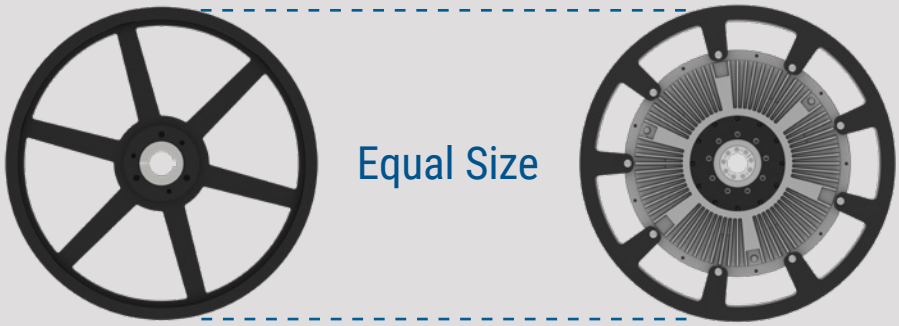
The fan clutch is designed to replace the sheave/pulley attached to the fan shaft. This minimizes the impact to the compressor and simplifies field retrofits.

A durable, live-center viscous fan drive engineered for internal combustion engine compressor packages. Horton's Gas Thermal Control Clutch offers precise fan control to improve efficiency, increase throughput, and lower emissions.

Prioritizing the jacket water temperature, gas compressor oil temperature and then the discharge gas temperature respectively are the three primary objectives of using the Gas Thermal Control Clutch. When warmer temperatures prevail, our clutch will make the jacket water and compressor oil the main priorities. During the cooler months the control will slow down the speed of the fan ensuring the discharge gas is kept at the correct temperature.

- **Reduce Freeze-ups with optimized fan control**
  - When process gas temperatures are over cooled hydrates can form causing a blockage which shuts down the compressor
  - Reducing the fan speed with a variable speed clutch most freeze ups can be avoided, eliminating unplanned maintenance and unwanted downtime
- **Optimized fan control results in less dumps/maintenance**
  - When the process gasses aren't overcooled, there is less drop out of the heavy gasses
  - Since the heavy gasses remain in the process gas stream this increases the BTU content and throughput by up to 20%
  - Significantly reducing dumps from the scrubbers and increasing the value of the process gas
- **Reducing Fan Speed Reduces Fuel Consumption**
  - Fans typically consume about 10% of the engine power
  - By reducing the engine speed you can reduce the power required by the engine to drive the fan
  - The power saved can be used to process more gas or reduce operation costs

Gas Thermal Control Clutch for Gas Compressors



- **Ease of installation:**
  - The clutch is designed to fit in the same space claim as the current air cooler pulley enabling field retrofits
  - Actual sheave/pulley on the clutch is slightly smaller than the direct drive sheave/pulley. This is to ensure proper cooling in high ambient temperatures

Gas compressors are commonly installed in remote locations that experience extreme temperature changes

Di+™ Controller

Horton fan drives are paired with a Di+ controller for customized precision- cooling control.

Your Partner in Thermal Control

As a global leader in thermal control for power systems, Horton® offers a variety of technologies for transportation and industrial applications to operate at the optimal temperature. Our culture of innovation delivers high-performance products that last and services that help you meet your commitments.

Horton is IATF 16949, ISO 14001 and ISO 9001 certified.

Form #23449-A-0825 EN

www.hortonww.com