



PRC Petroleum Refining Chemical

Process compressors are typically used in petroleum, chemical and gas industry services for handling process gas with either lubricated or non-lubricated cylinders. These are moderate speed compressors meeting the demands of API-618 for critical service. API-618 has defined these compressor applications as having and expected uninterrupted operation of at least 3 years as a design criteria.

Process Compressors are separated from Oil and Gas compressors by function and required maintenance intervals. Oil and Gas compressors are commonly driven by natural gas fueled engines with major maintenance intervals of up to 18 months with regular preventative maintenance at every three months. Process compressors are generally electric motor driven and require a target of 3 years between any maintenance.

Ariel has developed a line of compressors to meet the demands for longevity and reliability dictated within API-618. This includes moderate rotating speed application, low average piston speeds, low piston wear band loading and process gas emissions control capabilities.

For applications guidelines on the Ariel Process Compressor refer to the Process Table of Contents.

These applications generally include any gas compressor application in:

- Refineries
- Petrochemical Plants
- Chemical Plants
- Industrial Gas Facilities

Excluded from Process Definition:

- Lubricated natural gas services
- Lubricated fuel gas boosters with up to 50% hydrogen
- Lubricated refrigeration
- Lubricated air, nitrogen or carbon dioxide
- Non-lubricated fuel gas boosters