



# API Standard 617

## Axial and Centrifugal Compressors and Expander-compressors

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Covers the technical requirements for axial compressors, expander-compressors and integral geared process centrifugal compressors, and expander-compressors for use in the petroleum, chemical, and gas industries where they handle sour gas.

Part 1—General Requirements, contains information pertinent to all equipment covered by the other parts of this document.

Part 2—Axially-Loaded Centrifugal and Axial Compressors, specifies requirements for horizontally geared centrifugal and axial compressors, in addition to the general requirements specified in API 617, Part 1. These machines do not have gears integral with their shafts but can have external gears.

Part 3—Horizontally-Loaded Centrifugal Compressors, specifies integral geared centrifugal compressors in conjunction with API 617, Part 1.

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applied on one edge when the fermi level resides within the hybridization gap we find that while transport is