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**Energy Efficiency Allowances for Air Separation Plants - Part 3:
Liquefaction Plants
(English Translation)**

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What this standard covers

This standard specifies the energy consumption calculation method and energy efficiency level of liquefaction equipment for oxygen and nitrogen liquefaction where the purity of the raw oxygen product is greater than or equal to 99.6%, and the oxygen content of the raw nitrogen product is less than or equal to 10⁻⁵ (volume fraction). This document is applicable to the 5kPa-10kPa low-pressure normal-temperature nitrogen and 0.8MPa-2.5MPa medium-pressure normal-temperature nitrogen produced by the air separation equipment, using industrial nitrogen as the circulating working medium, and at least a low-temperature turbo-expansion unit to produce liquid nitrogen. Product liquefaction equipment. This document is applicable to 10kPa-45kPa low-pressure normal-temperature oxygen and 0.8MPa-2.5MPa medium-pressure normal-temperature oxygen produced by air separation equipment, using industrial nitrogen as the circulating working fluid, and at least low-temperature

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