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Sommario/riassunto	Reverse Osmosis (RO) is a method of purifying water for industrial processes and human consumption; RO can remove mineral salts as well as contaminants such as bacteria and pesticides. Advances in water treatment technologies have enhanced and complemented the conventional RO process, reducing energy and water consumption, lowering capital and operating costs, and producing purer water. This publication of the Department of Energy's Federal Energy Management Program introduces RO, describes the benefits of high-efficiency reverse osmosis (HERO), and compares HERO with RO/electrodeionization (EDI) technology.