Schematic diagram of Salt Water Reverse Osmosis (SWRO) desalination plant employing DWEER Energy Recovery Devices (ERD) technology
Desalination — Process Flow Diagrams

Multistage flash distillation process diagram

Multi-effect distillation process diagram
Basic SWRO process diagram
Main energy recovery technologies in schematic layout
Schematic of SWRO process employing DWEER energy recovery device
Simplified cross-section of a DWEER system in operation

IMPORTANT: DWEER operating principles are difficult to understand without strong visual reference. A helpful animation describing these principles is available at: https://www.youtube.com/watch?v=QaKYbHwv4k4.