Steam Compressor Unit / System

SC Series

Maximize Steam Utilization
Recover and Reuse Low Pressure Steam at a Higher Pressure

10% Intake Increase
New, independently-designed high-efficiency ejector, and control valve with built-in cyclone separator and steam trap for high-efficiency performance.

Explosion-Proof*
Self-adjusting non-electric control valve adopted for use in explosion-proof areas.

*With COS Control Valve

Condensate Recovery Package
(Actual product design may differ from that shown)
**Product Combinations and Features**

Choose from three Control Valve options to suit your application requirements.

**Utilize Unrecovered Condensate**
- Non-electric Condensate Recovery Pump System Package

**Create Custom Combinations**
- FV Flash Tank
- CP-N Condensate Recovery Pump

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**Reuse Excess Low Pressure Steam**

- Boiler
  - PRV
  - High Pressure 4.0 MPaG
- Turbine
  - Utilize Unrecovered Condensate
  - Create Custom Combinations
  - Non-electric Condensate Recovery Pump System Package

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**Pressure Shell Design Conditions (NOT OPERATING CONDITIONS):**
- Maximum Allowable Pressure (MPaG) PMA: Steam Compressor Unit: 1.6 (COS/CV-COS), 2.0 (CV10); High-capacity Steam Compressor: 2.0
- Maximum Allowable Temperature (°C) TMA: 220
- Details of SC Series products are included in the individual specification data sheets (SDS). Contact TLV for details of control valves and connecting equipment.

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**Specifications subject to change without notice.**