



Electric Expansion Valves

Electrically operated stepper motor valves
for precise flow control of liquid refrigerants



ENGINEERING YOUR SUCCESS.

Description

Built on a foundation of more than 75 years of refrigerant flow control designs, and over 20 years of experience in electronic superheat control, these valves are a perfect fit for today's demanding applications.

From the unique uni-body construction and quad-position cable found on the **SER-B** through **SER-D**, to the multiple body configurations and built-in sight glass on the **SERI-G** through **SERI-L**, these valves are designed for flexibility, reliability, and ease of use.

Equipped with advanced pin designs and Digital Linear Actuators, Parker Sporlan Electric Expansion Valves have minimal energy requirements, without sacrificing performance. **Parker Sporlan Electric Expansion Valves (EEVs)** are currently available in nominal R-407C capacities from 2 to 400 tons (7 to 1400 kW), and can control refrigerant flow from **10% to 100%** of nominal capacity. Valve selection and SKU (Stock Keeping Units) reduction are simplified.

The **SER**, **SERI** and **SEHI Valves** are Electronically Operated Stepper Motor flow control valves, intended for the precise control of liquid refrigerant flow. Synchronized signals to the motor provide discrete angular movement, which translates into precise linear positioning of the valve piston. Valve pistons and ports are uniquely characterized, providing improved flow resolution and performance.

The **SER**, **SERI** and **SEHI Valves** are easily interfaced with microprocessor based controllers, including Parker Sporlan supplied controllers (**PSC** Superheat Controller and **IB** interface board).



For all requests, consult your nearest Parker Sporlan Wholesaler or contact us on: racecustomerservice@parker.com / www.parker.com/race

Accurate at the time of going to print.