Park

er Fluid Control Division is continually expanding its product portfolio to meet the ever increasing application demands of our customers. Our goal is to provide the highest quality feature enhanced products to a broad array of market segments.

We are pleased to introduce our family of motorized on-off and proportional control angle valves enhancing Parker’s overall angle valve portfolio. The angle valve portfolio offers distinctive features compared to competitive products to provide solutions to customer application needs.

The angle body valve is a versatile, dependable, long service life valve recommended for high-flow, high-temperature OEM environments offering low maintenance and operating costs.

**Attachments and Enclosures**
- Motorized Valve Catalog
- Motorized Valve Numbering System
- Installation, Operation and Maintenance Sheets for 2/2 and 3/2 valves
- Motorized US List Price Schedule

**PRODUCT FEATURES**

The angle body valve family consists of 2 product lines. **Series 830** two-way on-off and proportional control valves. **Series 835** three-way on-off and proportional control valves.

Multiple motorized linear actuators of various voltages containing control and feedback mechanisms are available to meet various application requirements.

The motorized valve family broadens to the overall angle valve product line offering greater versatility and choices to meet customer requirements.

Series 830 valves are configured for 2-way normally closed & normally open service. Valve construction includes bronze and 316L stainless steel units equipped with Teflon® PTFE seal material for tight shut-off. Aluminum motor actuator housings are standard. The valve can be mounted in any position meeting all performance specifications.

Series 835 are configured for three-way functionality. Four operating capabilities are available including distributing, mixing, normally closed; and normally open.

Valve actuation is achieved by applying the designated voltage and control signals for valve functionality.

The linear actuator is a gear driven motor assembly requiring a minimum control signal prior to the valve opening. The motorized actuator spindle is directly coupled to the valve stem opening and closing the angle body valve. The angle body valve is designed to operate at high pressures and media temperatures with actuator head thermal stability resulting in consistent performance over millions of cycles.

The motorized control valves are ideally suited for the chemical process industry, water technology, food and beverage processing, building HVAC control systems and general industrial applications of aggressive fluids offering the same high performance characteristics as the on-off valves.
MOTORIZED PRODUCT PORTFOLIO

Two motorized angle valve lines are being introduced.

1. **Series 830 valves** – Two-way on-off and proportional control valves comprising multiple motor assemblies covering the product range. Basic characteristics include:
   - **Bronze** body material for on-off valve only.
   - **316L stainless steel** body material for on-off and proportional control valves.
   - **Flow patterns** – Flow under seat.
   - **Port Size** – Multiple sizes ranging from 1/2” and 2” port sizes for the bronze and stainless steel valves.
   - **Actuator Housing** – Aluminum housing with plastic actuator cover for watertight penetration meeting IP65 / NEMA 4 rating.
   - **Sealing Materials** – Teflon® (PTFE) is the standard sealing material. Other optional materials including NBR, FKM and EPDM are available on special orders of sufficient volume only.
   - **Ratings** – pressures up to 580 psi and temperatures to 430°F for high temperature environments.
   - **Vacuum** service capable.

2. **Series 835** – Three-way on-off and proportional control valves comprising multiple motor assemblies covering the product range. Basic characteristics include:
   Basic characteristics include:
   - **Body material** – bronze construction only.
   - **Configurations** – Available in multiple configurations and flow patterns including diverting, mixing, normally closed and normally open functionality.
   - **Port Size** – Multiple sizes ranging from 1/2” and 1-1/2” port sizes.
   - **Actuator Housing** – Aluminum housing with plastic actuator cover for watertight penetration meeting IP65 / NEMA 4 rating.
   - **Sealing Materials** – Teflon® (PTFE) is the standard sealing material. Other optional materials including NBR, FKM and EPDM are available on special orders of sufficient volume only.
   - **Ratings** – pressures up to 235 psi and temperatures to 392°F serving most temperature environments.

Accessory options are described in the respective valve section.

Teflon is a DuPont trademark.