Parker in Energy
Products, subsystems, and system solutions.
Parker at a Glance

Thousands of MRO and OEM solutions

139 manufacturing divisions

$13 billion in revenue

95+ years of power generation innovation

49 countries

13,000 distribution / MRO outlets worldwide

58,000 employees

865,000 products sold

1918 founded

Cleveland, Ohio, USA headquarters

FORTUNE 500 ranked #212

Power and Renewable Product / Technology Solutions

**AUTOMATION**

Actuators
- Linear Actuators
- Rotary Actuators
- Electrohydraulic Actuators (EHA)
- Electrohydraulic Servo Actuators
- Valve Actuators
- EHA Linear Positioner

**Air Preparation (FRLs)**

- Filters
- Regulators
- Filter/Regulator
- Lubricators
- Combination Units

**Airline Accessories**

- Automatic Drip Leg Drains
- Automatic Drain Valves
- Breather Vents
- Gauges
- Silencers
- Pressure Switches
- Soft Start / Quick Dump Valves
- Shut-off Valves
- Timer Drain Solenoid Valves
- Zero Loss Condensate Drains

**Electronic Pressure Sensors**

- Solid State LED Sensors
- Stainless Steel High Pressure Sensors

**Solvaid Valves (2, 3 & 5-Port)**

- Direct Acting Solenoid Valves
- Pilot Operated Solenoid Valves
- Remote Operated Solenoid Valves
- Namur Mount Solenoid Valves
- Low Power Solenoid Valves
- High Flow Solenoid Valves
- Proportional Control (Angle Body Piston & MCV) Valves

**Pneumatic Air Valves**

- Relief Valves
- Shuttle Valves
- Quick Exhaust Valves
- Isolator / Main Shut-off (Power) Valves
- High Flow Poppet-Style Valves
- Lockout & Shut-off Valves
- Mechanical / Manual Valves

**Pneumatic Cylinders**

- ISO 15552 Aluminum Air Cylinders
- ISO15552 Stainless Steel Air Cylinders
- Compact ISO 21287 Cylinders
- NFPA Interchangeable Cylinders
- Stainless Steel Round Body Cylinders
- Rudless Cylinders
- Steel & Stainless Steel Tie-Rod Cylinders

**HMI & Visualization**

- Supervisory HMI Software
- Graphic Terminals & Computer Powerstations
- Industrial Flat Panel Monitors
- Integrated Factory Display Systems

**Industrial Low Voltage Drives**

- AC Variable Frequency Drives (VFDs)
- DC Drives
- Stack Controllers (Digital & Single Phase)

**Pneumatic Cylinders**

- ISO 15552 Aluminum Air Cylinders
- ISO15552 Stainless Steel Air Cylinders
- Compact ISO 21287 Cylinders
- NFPA Interchangeable Cylinders
- Stainless Steel Round Body Cylinders
- Rudless Cylinders
- Steel & Stainless Steel Tie-Rod Cylinders

**Specialty & Manifold Valves**

- Fuel Selector Valve Manifold
- CNG Gas Valve
- 2-Port Direct Acting Hydraulic Oil Solenoid Valve

**OUTSIDE NORTH AMERICA:**

Click here for specific product details, or go to parker.com/energyrgnt

**NORTH AMERICA:**

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Filtration

Cartridges
- Pleated Paper Cartridges
- Absolute Rated Pleated Pleated Filter Cartridges
- High Flow Absolute Rated Pleated Filter Cartridges
- Large Diameter High Flow Pleated Filter Cartridges
- Pleated Synthetic Cartridges
- String Wound Depth Filter Cartridges
- Absolute Rated Thermally Bonded Depth Filter Cartridges
- Melt-Blown Filter Cartridges
- Melt-Blown Polypropylene High Capacity Filter Cartridges
- Resin Bonded Filter Cartridges
- Adsorbent Cartridges (Fullers Earth or Activated Alumina)
- Membrane Filter Cartridges (PTFE)
- Stainless Steel Metal Filters
- Reverse Osmosis (RO) Membranes

Compressed Air & Gas Treatment
- Point-of-Use Compressed Air Dryers
- Refrigeration Dryers
- Heatless Regenerative Desiccant Dryers
- Micronic Hydrocarbon Filter Cartridges (Coreless & Incinerable)
- 1 Micron Hydrocarbon Water Absorbing Filters
- Duplex Fuel Filters

Filter Elements
- Static Control Filter Elements (Electrostatic Discharge)
- Water Removal Filter Elements
- Pleated Filter-Separator Elements
- Fuel Filter / Water Separator Elements
- Filter / Coalescer Elements

Filter Housing & Vessels
- Single & Double Element housings (Oil)
- ASME 6 & 12 Element housings (Oil)
- ASME Filter / Water Separator Vessels
- ASME Vertical Micronic Filter Housings
- Vertical Coalescer / Separator Vessels
- ASME Vertical Diesel Fuel Filtration Housings
- Liquid Fuel ASME Pressure Vessels
- Vertical Gas Coalescer Vessels
- Stainless Steel Pressure Vessels

Fluid Conditioning Equipment
- Varnish Removal Systems
- Vacuum Dehydration Purification Systems (Water & Solid Removal)
- Portable Purification System with Electronic Sensing
- Turbine Oil Conditioning Skid Systems
- Bulk Diesel Fuel Forwarding Skid Systems
- Portable Hydraulic Filter Carts
- Oil Conditioning Units (OCU)
- Portable Combination Oil Filtration Systems (Centrifuge Plus Bypass Oil Cleaners)

Process Water & Wastewater Treatment Systems
- Sea Water Reverse Osmosis (SWRO) Skid Mounted Systems
- Brackish Water Reverse Osmosis (BRWO) Skid Mounted Systems
- Automatic Self-Cleaning Filter Units (Skid Mounted)
- Electric Drive Screen Filter System
- Duplex Cartridge Filter Units (Skid Mounted)
- Mobile Containerized Ultrapure Water Systems

Self-Cleaning Inertial Air Intake Pre-Cleaners
- Rotor Air Inertial Filter Assemblies

Hydraulic & Lube Oil Filters
- Low Pressure Filters
- Medium Pressure Filters
- High Pressure Filters
- Lubricating Oil Duplex Filters
- High Pressure Duplex Filters
- High Flow Duplex Filters
- Industrial Coalescers

Natural Gas & CNG Filters
- Gas-Liquid Coalescer
- Natural Gas Filter / Separator Cartridges
- Gas Fine Filters
- CNG Filters
- CNG Gas Absorbers

OEM Interchangeable Hydraulic Filter Elements

Oil Mist Eliminators

On-Site Gas Generation
- Nitrogen Generators
- Hydrogen Generators
- Hydrocarbon Free Generators (CEMS)

Reservoir Accessories
- Spin-On Breathers
- Desiccant Type Air Breathers
- Diffusers

Media Filters
- Chemical Injection Skids
- Stainless Steel & Rubber-Lined Housings (Sea Water)

Fluid Level / Temperature Gauges
- Suction Strainers
- Single-Stage Gauge Isolator
- Hydraulic System Flow Meter
- Flow Differential Pressure Module
- Premium Hydraulic Fluid Stationary Engine Filtration

Air Pre-Cleaners
- Spin-On Disposable Air Cleaners
- Spin-On Coolant Filters
- Two-Stage Air Cleaners
- Three-Stage Air Cleaners
- Non-Gasket Cylindrical Air Cleaners

Fuel Filters / Water Separators

Power and Renewable Product / Technology Solutions

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NORTH AMERICA:

OUTSIDE NORTH AMERICA:

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Hose Fittings (Brass, Carbon Steel & Stainless Steel)
- Barbed (Reusable)
- Push-to-Connect (PTC)
- Permanent / Crimp Style
- Metric, JIS, BSPP / BSPT

Hydraulic Hose
- Low Pressure (Braided & Spiral) Hose
- Medium Pressure (Braided & Spiral) Hose
- High Pressure (Braided & Spiral) Hose
- Constant Working Pressure Hose
- EPDM Hose (Phosphate Hose)
- Suction & Return Hose
- Silicone High Temperature Hose (Water Glycol Cooling)

Industrial Hose
- Air & Multi-Purpose Hose
- Stainless Steel Flexible Metal Hose
- Chemical Hose
- Material Handling / Dry Bulk Transfer Hose
- Fly Ash, Coal Powder, Lime & Slurry Hose (Ceramic Tile Lined)
- Diesel & Biodiesel Hose
- Fluoropolymer (PTFE) Hose
- Suction & Discharge Water Hose
- Thermoplastic Hose
- Welding Hose
- Ultra High Pressure Hose

Tubing
- Air Bleed Valves
- Ball Valves
- Soft Seat Inline Check Valves
- Pressure / Vacuum Relief Valves
- Thermal Bypass Valves

Piping Systems
- Compressed Air Aluminum Piping System
- Stainless Steel Water Piping System
- Hydraulic Non-Welded Piping System

Quick Disconnect Couplings (Brass, Steel & Stainless Steel)
- Drybreak (Non-Spill, Flat Face) Style Couplings
- Poppet Style Couplings
- Thread-to-Connect Style Couplings
- Thermoplastic Couplings

Specialty Hose
- Anhydrous Ammonia Hose
- CNG Hose
- LP Gas Hose
- Lubrication Line Hose
- Steam Hose

Tube Fittings
- 37 Degree Flare
- 24 Degree Flareless
- O-Ring Face Seal

Industrial Valves
- Auto Bleed Valves
- Ball Valves
- Soft Seat Inline Check Valves
- Pressure / Vacuum Relief Valves
- Thermal Bypass Valves

Tubing
- Fluoropolymer (PTFE, PFA, FEPE) Tubing
- Thermoplastic (Polyethylene & Nylon) Tubing

Accessories
- Hose, Pipe & Tube Clamps
- Pipe Fittings
- Port Adaptors
- Flanges & Flange Kits

HYDRAULICS

Accumulator Safety
- Accumulator Safety Blocks
- Hydraulic Pulsation Dampers / Surge Arrestors

Accumulators
- Bladder Accumulators
- Diaphragm Accumulators
- Piston Accumulators
- Stainless Steel Seamless Accumulators
- Composite Accumulators

Electrohydraulic Valves
- Proportional Directional Control Valve for Industrial Applications
- Proportional Pressure Control Valves

Gas Bottles
- Gear Pumps & Motors
- Aluminium High Speed / Low Torque Gear Pumps
- Aluminium External Gear Pumps
- Cast Iron External Gear Pumps
- Aluminium High Speed / Low Torque Gerotor Motors

Hydraulic Cartridges & Coils
- Screw-in (DIN Style) Valves
- Screw-in (DIN Style) Cartridge Valves
- Replacement Coils & Bodies

Hydraulic Manifold Blocks
- Hydraulic Power Units (HPU)
- Fixed Displacement
- Variable Displacement

Hydraulic Pumps & Motors
- Fixed Displacement Pumps
- Variable Displacement Pumps
- Axial Piston Pumps
- ATEX Axial Piston Pumps & Motors
- Radial Piston Pumps
- Screw Pumps (Dry or Submersed)

Hydraulic Accessory
- Accumulator Charging & Testing Kits
- Accumulator Rebuild Kits
- Bladder Replacement Kits
- Cylinder Repair Kits

Hydraulic Specialty Valves
- Port Selector Valves
- Gauge Isolator Valves
- Multi-Station Gauge Isolation Valves
- Pressure Gauge Selector Valves
- Electrohydraulic Pressure Switches
- Pressure Snubber

Hydraulic Valves
- Hydraulic Ball Valves
- Hydraulic Check Valves
- Hydraulic Plug Valves
- Hydraulic Flow Control Valves
- Hydraulic Directional Control Valves
- Hydraulic Pressure Control Valves
- Manifold Mounted Hydraulic Valves (Sandwich / Directional Control)
- Hydraulic Hand Pumps

Industrial Cylinders
- Electrohydraulic Cylinders
- Electromechanical (EM) Cylinders
- Hydraulic Heavy Duty Tie-Rod Cylinders
- Hydraulic Stainless Steel Cylinders
- Composite Cylinders
- Sensor Enabled Hydraulic Cylinders (Absolute Pressure Sensing)
- Single-Stage, Telescopic & Intensifier Cylinders (Custom)

Outboard Cylinders
- Long & Large Bore Cylinders
- Mill-Type Hydraulic Cylinders
- Push-Pull Cylinders (Solar)
- Pitch Control Cylinders (Wind Turbine)
- Servomotor (Cylinders)
- Rotor Lock Cylinders (Wind Turbine)
- Hydraulic Snubber Cylinders
- Position Feedback Technologies

Oil Coolers
- Air-Cooled Oil Coolers with AC Motor
- Air-Cooled Oil Cooler with Integrated Circulation Pump
- Brazed Plate Style Water-Cooled Oil Coolers
- Gasketed Water-Cooled Oil Coolers
- Titanium Water-Cooled Oil Coolers (Sea Water)
- Shell & Tube Heat Exchangers

Reservoir Isolators
- Vane Pump & Motors
- Fixed Displacement Heavy Duty Fan Motors
- Variable Displacement Vane Pumps
- Single, Double & Triple Fixed Displacement Vane Pumps

SPECS:
Spec the Best. Spec Parker.

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Power and Renewable Product / Technology Solutions

INSTRUMENTATION

Flow Control Valves
- Mass Flow Control Valves
- Flowmeters
- Flow Controllers
- Mass Flow Controllers
- Variable Area Flowmeters
- Vortex Shedding Flowmeters

Flow Controllers
- Mass Flow Controllers
- ISA Flow Controllers

Flow Meters
- Mass Flow Meters
- PTFE Flow Meters
- Variable Area Flow Meters
- PFA Lined Variable Area Flowmeters

Instrument Enclosures
- Fully Assembled Instruments
- Enclosures
- Protective Shades

Instrumentation
- Pressure Gauges
- Gauge Siphons
- Condensate Pots
- Specialty Products

Instrumentation Cylinder Connections
- CGA Connections
- DISS Connections

Instrumentation Regulators
- Back Pressure Regulators
- Dual Stage Regulators
- Single Stage Regulators
- High Flow Regulators
- High Pressure Regulators
- Negative Pressure Regulators
- Pressure Reducing Regulators
- PTFE Pressure Regulators

Instrumentation Specialty Products
- Condensate Pots
- Diaphragm Seals
- Gauge Snubbers
- Gauge Siphons
- Pressure Gauges

Flow Meters & Fittings
- Stainless Steel Sample Cylinders
- Sample Valves
- Metering Valves
- Needle Valves
- Relief Valves
- Multiport Gauge Valves
- Block & Bleed Gauge Valves

Manifold Valves & Systems
- Continuous Gas Delivery Changeover System (COSE)
- Stream Switching System

Instrumentation Tube & Pipe Fittings
- Single Ferrule Compression Fittings
- Double Ferrule Compression Fittings
- Medium Pressure Tube Fittings
- Tube Socket Weld Fittings
- Permanent “Non-Welded” Tube Fittings & Connection System
- 10K Pipe Fittings

Instrumentation Tubing
- 316 / 316L & 6Mo Stainless Steel Seamless Tubing
- Tube Clamp System

Instrumentation Valves
- Ball Valves
- Bellows Valves
- Blowdown, Root & Angle Valves
- Check Valves
- Liquid Fuel, Air or Water Check Valves
- Diaphragm Valves
- Hand Valves
- Plug Valves
- Purge Valves

Instrumentation Systems
- Vortex Shedding Flow
- PFA Lined Variable Area
- Variable Area Flow Meters
- PTFE Flow Meters
- Mass Flow Meters
- Mass Flow Controllers
- Flow Controllers
- Flow Controllers
- PTFE Flow Controllers
- ISA Flow Controllers
- Flow Controllers
- Mass Flow Controllers
- ISA Flow Controllers
- Flow Controllers
- Mass Flow Controllers
- ISA Flow Controllers

ON-ENGINE (GAS & STEAM TURBINE)

Electrohydraulic Servo valves (EHSVs)
- Jet-Pipe Servo valves (ATEX)
- Two-Stage Torque Motor Servo valves (Manifold Mounted)
- Two-Stage Flapper Nozzle Servo valves (ATEX)
- Two-Stage, 4-way Flapper Nozzle Servo valves

Fluid Conveyance Hose
- Flexible Metal Hose Assemblies
- Stainless Steel PTFE Hose with Integral Fire-Sleeve

Fuel Control Valves
- Injection Flow
- Proportioning Check Valves
- Fuel Distribution Valves
- Fuel Oil Splitter Valves
- Isolation Valves
- Air Purge Valves
- Liquid Fuel Flow Diverter Valves

Fuel Nozzles
- Nozzle Valves
- Needle Valves
- Relief Valves
- Multiport Gauge Valves
- Block & Bleed Gauge Valves

Metal Seals
- Metal E-Seal
- Metal C-Ring Seal
- Metal Spring Energized C-Ring Seal
- Metal O-Ring Seal
- Turbine Casing Seal
- Vane Seals (Cloth Seal Alternative)

Fluid Power Seals
- Rod & Piston Seals
- O-Rings

Gaskets
- Carrier Gaskets (Compositite)
- Metal Corrugated & Jacketed Gaskets
- Torque (Compression) Limited Gaskets
- Hollow Spliced O-Ring Gaskets
- Spliced Hollow Picture Frame Gaskets

Non-Metallic Expansion Joints
- Fabric Expansion Joints (EPDM, CR & PTFE)

O-Ring Seals
- Buna (IIR) Rubber Seals
- Ethylene Propylene (EPDM) Seals

Fluid Seals
- Elastomer EMI Gaskets
- Frame Gaskets
- Limited Gaskets
- Jacketed Gaskets

Sealing
- Custom Engineered Molded & Extruded Seals
- Accumulator Seals
- Boot Seals
- Press-in-Place Seals
- Pipe Seals
- Fluid Transfer Seals
- Diaphragm & Valve Seals
- D-Ring Seals
- X-Ring Seals
- Lathe-Cut Seals

Fastener & Fittings Seals
- Flange Gasket Seals

Sealing
- Cassette Seals
- Molded PTFE Seals
- PTFE Bearings
- PTFE Bellows
- PTFE Slipper Seals
- PTFE Wedge Seals
- PTFE Valve Stem Seals

Rotary & Shaft Seals
- Labyrinth Seals (Bearing Isolator Seals)
- Cassette Seals

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Power and Renewable Product / Technology Solutions

SEALING continued
• Single Lip Non-Metallic Composite Oil Seals
• Single & Double Lip Metal-Glad Oil Seals
• Split Rotary Shaft Seals
• V-Seals / V-Rings

Seal Kitting & Repair Kits
• Custom Seal Kits (Vacuum Sealed Cards or Parts in a Bag)
• O-Ring Repair Kits

Sealing Accessories
• Back-up Rings
• Piston Rings
• O-Ring Pusher Seals
• O-Ring Filters
• O-Ring Lubricants
• Sealing Washers
• Wipers
• Isolator Bushings

BIOGAS & LANDFILL-TO-ENERGY (LTE)
• Siloxane Removal System
• Biogas Filter
• Biogas Water Chillers
• Biogas Shell & Tube Heat Exchangers
• Biocathode Dryer
• Cyclonic Separator
• Condensate Float Drains

CONTINUOUS EMISSIONS MONITORING (CEMS)
• HMI Display / Data Logging Box for Smart Sensors
• Portable Handheld Diagnostic Meters (Flow, Pressure, Temperature and RPM)
• Oil Condition Sensors (Continuous Monitoring)
• Metallic Particle Sensors (Ferrous & Non-Ferrous Metals)
• Moisture Sensors
• Industrial Sensors (Flow, Pressure & Temperature)
• Industrial Controllers
• Pressure Transducers / Transmitters
• Differential Pressure Indicators
• Test Port Couplings
• Test Points

Pre-Traced, Pre-Inspulated Tube Bundles
• Constant Watt Electric Heat Trace Bundles
• Self-Regulating Electric Heat Trace Bundles
• Steam Purge Bundles
• Steam Trace Bundles

ENERGY STORAGE
Battery Energy Storage Systems (BESS)
Mega-Watt Class “Bi-directional” Solar Inverters
Power Conversion Systems (PCS)
Thermal Management for Battery Containers & Power Electronics (Two-Phase Evaporative Cooling Systems)

NUCLEAR
Safety-Related Certified Products
• Electrohydrodynamic Servovalves
• Hydraulic Accumulators
• Hydraulic Valves
• Hydraulic Fittings
• Hydraulic Pumps
• Accumulator Racks
• Transformer Dry-Out Systems
• Transformer Oil Seals
• Transformer Bushing Seals

TRANSMISSION & DISTRIBUTION
• Insulating Oil Filters
• Load Tap Changer (LTC) Oil Filtration Systems
• Transformer Dry-Out Systems
• Heavy Duty Filter Pumps
• Portable Handcarft Filter Pumps
• Unibody Actuators (Circuit Breakers)
• Hydraulic Valve Actuators (Circuit Breakers)
• Transformer Oil Seals
• Transformer Bushing Seals

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