

Our pump products are manufactured in a wide range of metal alloys and with a variety of configurations to reliably meet the operating requirements of our customers. Mechanical seals are critical to the reliable operation of rotating equipment in that they prevent leakage and emissions of hazardous substances from the rotating equipment and reduce shaft wear on the equipment caused by the use of non-mechanical seals. We also manufacture a gas-lubricated mechanical seal that is used in high-speed compressors for gas pipelines and in the oil and gas production and process markets. Our products are currently manufactured in 39 manufacturing facilities worldwide, 13 of which are located in Europe, 12 in North America, eight in Asia Pacific and six in Latin America, and we have 137 QRCs, including those co-located in manufacturing facilities and/or shared with FCD.

We also conduct business through strategic foreign joint ventures. We have six unconsolidated joint ventures that are located in Chile, China, India, Saudi Arabia, South Korea and the United Arab Emirates, where a portion of our products are manufactured, assembled or serviced in these territories. These relationships provide numerous strategic opportunities, including increased access to our current and new markets, access to additional manufacturing capacity and expansion of our operational platform to support best-cost sourcing initiatives and balance capacity demands for other markets.

FPD Products

We manufacture more than 40 different active types of pumps and approximately 185 different models of mechanical seals and sealing systems. The following is a summary list of our FPD product types and globally recognized brands:

FPD Product Types

Single and Multistage Between Bearings Pumps

- Single Case — Axially Split
- Single Case — Radially Split
- Double Case

Overhung Pumps

- Chemical Process ASME and ISO
- Industrial Process
- Slurry and Solids Handling
- Metallic & Lined Magnetic Drive Process

Positive Displacement Pumps

- Rotary Multiphase
- Rotary Screw

Vertical Pumps

- Deepwell Submersible
- Slurry and Solids Handling
- Sump & Cantilever
- Vertical Inline
- Vertical Line Shaft
- Vertical Canned Shaft
- Wet Pit, Double Case API & Double

Positive Displacement Pumps

- Gear

Single Stage Overhung Pumps

- API Process

Between Bearings Pumps

- Single Case — Radially Split
- Side Channel Multistage
- Split Case — Axially Split
- Split Case — Radially Split

Mechanical Seals and Seal Support Systems

- Dry-Running Seals
- Barrier Fluids and Lubricants
- Bearing Isolators
- Compressor Seals
- Gas Barrier Seals
- Mixer Seals
- Standard Cartridge Seals
- Seal Support Systems

Vacuum Systems

- Liquid Ring
- LR Systems
- Dry Systems