

Rotary Cylinder Replacement Program

One source for your cylinder needs

- Fabricated or cast cylinders
- Engineering and technical service support
- ASME, AWA, API, TEMA and NEMA certified
- Quality commitment
- Manufacturing and installation of replacement cylinders, regardless of original equipment manufacturer



Bartlett-Snow™ replacement rotary cylinders include:

- new cylinders
- retorts
- replacement cylinders
- cylinder sections or related internal components.

Rotary cylinders can be supplied for:

- cooling
- calcining
- sintering
- drying

for a wide span of industries including:

- chemicals
- petrochemicals
- mining
- metals
- non-metallic minerals
- agricultural
- food
- nuclear materials

Rotary cylinders can also be supplied for equipment not originally manufactured by Coperion.

In addition to supplying an engineered, manufactured replacement cylinder, we also provide a turn-key approach for your project. Coperion technical field service experts can professionally manage the installation of the replacement cylinder.

Fabricated cylinders

Replacement cylinders can be fabricated from wrought plate and materials ranging from carbon and stainless steels to high performance alloys for temperatures up to 2200 °F (1205 °C). Cylinder sizes range from 6.5 inches to 14 feet (165 mm to 4.2 meters) in diameter at various lengths and can be designed and manufactured with a variety of internal flights and other design features, which are custom engineered to meet the specific mechanical and process requirements of the application.

Cast cylinders

Coperion also can supply centrifugal or statically cast cylinders in accordance with the A.C.I. (American Casting Institute) including high temperature and corrosion resistant alloys. Bartlett-Snow™ cylinder sizes range from 6.5 to 42 inches (165 to 1067 mm) in diameter at various lengths.

Engineering

Our engineering staff has extensive experience in the design and selection of the suitable material that is compatible with your process. Our engineering team utilizes the latest design tools, including 3D modeling, FEA, and CFD to facilitate economical product design and efficient manufacturing processes.

Manufacturing

We partner with manufacturing facilities that hold ASME, API, TEMA, and NEMA certifications and that have broad experience in welding a wide range of metals, including the high performance alloys. The manufacturing facilities incorporate GTAW (TIG), GMAW (MIG), FCAW (flux core), SMAW (stick), and SAW (submerged arc) welding processes and adhere to strict controlled welding procedures in accordance with ASME requirements. The manufacturing facilities employ an array of machine tools, metal forming and cutting equipment, including CNC machinery having the following capabilities:

- Cut off sawing up to 20 in / 508 mm deep;
- Plate shearing up to 0.5 in / 12.7 mm thick;
- CND plate burning up to 7 in / 177.8 mm thick;
- Plate forming up to 2 in / 50.8 mm thick;
- Plate rolling up to 1.5 in / 38.1 mm thick;
- CNC punching and drilling;
- Punch press up to 200 T / 181.4 MT;
- Plasma cutting;
- Lifting capacity (overhead cranes and portable lift devices) up to 75 tons

Installation and Field service

Coperion has strategic partnerships with contractors that specialize in field installations of large industrial equipment, including Bartlett-Snow™ replacement cylinders. Our field service technicians work in close collaboration with our contractors to manage and control the complete installation project. This team focuses not only on achieving a safe and timely installation for our customers, but also is on site to assist with any field troubleshooting of the units and training of the operators.

Coperion is a one-stop shop for manufacturing and installation of replacement cylinders, regardless of original equipment manufacturer.

Commitment to quality

We are committed to being our customer's choice for thermal processing equipment, and for the associated aftermarket products and services in the markets we serve. We work continuously to improve our offerings to support our customer's requirements for safety, quality, cost and on-time delivery.



Coperion

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