



Product Description

John Crane PTFE lantern rings are widely used in applications where outside lubrication is necessary in order to keep packing lubricated, cool, and flushed of abrasives and chemicals. The use of lantern rings greatly increases the life of compression packing, resulting in less maintenance and downtime over the life of the equipment.

PTFE lantern rings will handle a wide range of fluids, offering maximum corrosion resistance and, unlike metallic rings, will not gall or score shafts or sleeves. They have also been successfully used in bearing assemblies as a conduit for grease or oil. The lantern ring works in aiding movement of the lubricant without risk of contamination or excess stuffing box wear.

Construction/Features



Made from virgin or glass-filled PTFE, these products are precision molded or machined and engineered to meet customer specifications. They are available as split and half-rings, for easy installation and maintenance, or

as solid rings.

John Crane lantern rings incorporate multiple port holes to ensure even fluid channeling, and have small notches to facilitate easy removal. John Crane virgin PTFE meets FDA purity requirements.

Unlike metallic lantern rings, John Crane PTFE lantern rings can be provided in strip stock. This allows the product to be cut to the necessary length for the application. Furthermore, it greatly reduces the amount of preformed rings that are needed for stock.

Performance Capabilities

- Temperature: -240°C/-400°F to 500°F
- Pressure: up to 68 bar/1000 psi
- pH range: 0 to 14

Industries Served

- Agriculture
- Chemical processing
- Commercial
- Food and beverage
- Mining
- Municipal
- Oil and refinery
- Petrochemical processing
- Pharmaceutical
- Power generation
- Pulp and paper
- Steel/metals

NOTE: For additional application or product information contact John Crane.

Applications

- Centrifugal pumps
- Vertical turbine pumps
- Boiler feed and condensate return pumps
- Wastewater, slurry, and sludge pumps
- Pulp and paper stock pumps
- Agitators and Mixers
- Positive displacement pumps, including:
 - reciprocating
 - rotary gear
 - progressive cavity
- Chemical processing pumps and valves
- Sanitary equipment

Standard Sizes

Up to 22" outside diameter available. All sizes, including metric, are available upon request. Provided as exact sizes or in strips. Rings are also provided in splits or halves for easy installation.

Fluids

- Acids
- Caustics
- Grease
- Hydrocarbons
- Liquors
- Oil
- Paper stock
- Pulp
- Slurries
- Solvents
- Wastewater
- Water



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If the products featured will be used in a potentially dangerous and/or hazardous process, your John Crane representative should be consulted prior to their selection and use. In the interest of continuous development, John Crane Companies reserve the right to alter designs and specifications without prior notice. It is dangerous to smoke while handling products made from PTFE. Old and new PTFE products must not be incinerated. ISO 9001 and ISO14001 Certified, details available on request.