

# Gask-O-Seals®

Molded-in-place seals provide seal retention on complex surface geometries



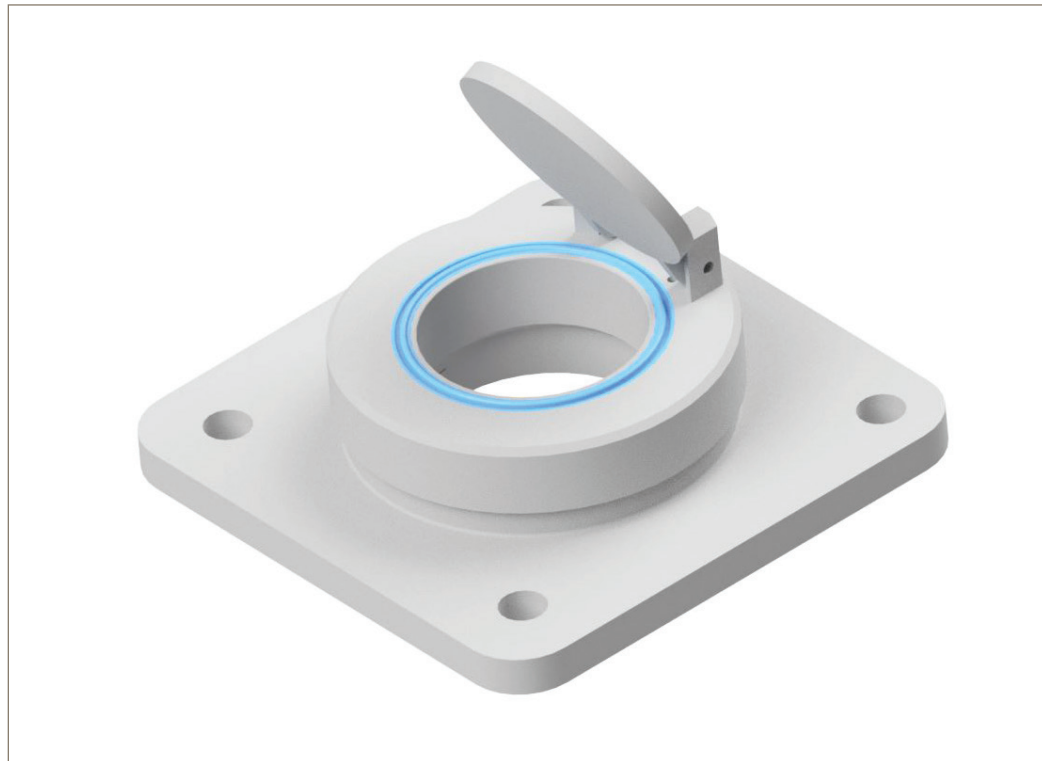
## Sealing solution for check valves used in commercial aircraft fuel systems

The commercial aircraft industry is continuously evolving, driving sealing solution providers to seek new ways to isolate and preserve the integrity of critical functions. Achieving greater fuel efficiency, increased range, as well as safety, are top priorities of Parker engineers in our quest to help our customers meet ever-demanding market requirements.

To support these priorities, applications require greater seal performance in high- and low-pressure environments, temperature extremes, and in the presence of increasingly caustic mediums.

Parker's Composite Sealing Systems (CSS) Division designs Gask-O-Seal® molded-in-place seals to deliver the performance needed in such applications. Molded-in-place rubber allows the seal to be used in open- and closed-valve situations without needing a dovetail groove. Gask-O-Seals can be integrated into complex componentry such as threaded anodized metals.

Parker CSS offers the engineering technology and worldwide infrastructure of manufacturing, sales, and service centers to support your most challenging aerospace applications 24/7/365.



## Product Features and Benefits

- The rubber-to-metal bond retains the seal in the groove
- Seal can be added to threaded metal componentry
- One-piece assembly provides easier installation
- Multiple elastomers are available to provide compatibility with caustic fluids such as jet fuel.
- Use of finite element analysis predicts seal performance



ENGINEERING YOUR SUCCESS.

# More about Gask-O-Seal® solutions

Gask-O-Seals consist of a metal, plastic, or composite retainer with a custom elastomeric sealing element molded into a groove. The seal can be mechanically or chemically bonded into the groove in a variety of shapes and sizes. These seals are ideal for critical applications that require reliability, longevity, and durability.

## Industries/users

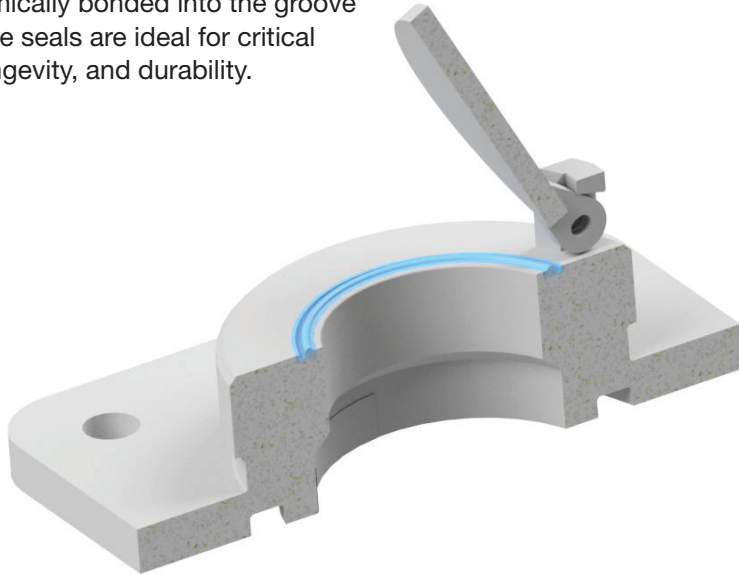
- Aerospace manufacturers
- Engine manufacturers
- Nuclear applications
- Heavy-duty equipment
- Military applications
- Marine applications

## Additional features

- Tandem or redundant seals
- RFID tagging of parts
- Branched seal designs
- Tested using finite element analysis
- Variety of material offerings

## Additional benefits

- Easier installation with sealing element molded into the groove
- Highest sealing reliability and part reusability
- Unique groove geometries enable sealing to contoured surfaces



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