



Our Cryogenic Solution

Solutions for

Cryogenic Process Pumps

Cryogenic liquids like oxygen, nitrogen, and argon can slow down and stabilize chemical reactions in many different processes. This insures accurate measurement or transportation of volatile materials. Cryogenic liquids are typically delivered via trucks or railroad cars and require specific sealing to protect the liquid. Many industrial areas such as food processing and medical facilities also use cryogenic pumps and seals.

Welded Metal Bellows Technology and Production - Flex-A-Seal has earned an exemplary reputation as a leader in welded metal bellows technology. We have successfully applied these same engineering capabilities to the rigorous demands of very low temperature cryogenic applications. All manufacturing processes are done in house with tightly controlled tolerances on all seal components, resulting in proven successful seal life.

Cryogenic Face Solutions - Optimum face materials and design maintain the critical film of lubricant between the seal faces which is crucial for successful operation at temperatures approaching -328°F (-200°C) [425°F (254°C) for Hydrogen Service].

Compatibility - Our cryogenic designs are engineered to fit virtually all standard centrifugal cryogenic pumps used primarily to transfer liquid nitrogen, hydrogen, oxygen, and argon. These pumps can be found in industrial areas such as process systems, air separation, storage tanks, trucks and transfer stations.

Common Pumps - We have seals to fit the most common pumps on the market including ACD, Cosmodyne, Airco Paul, Cryostar, Groffe and JC Carter.

Cleaning - We offer full service manufacturing including oxygen cleaning according to industry standards and certification.