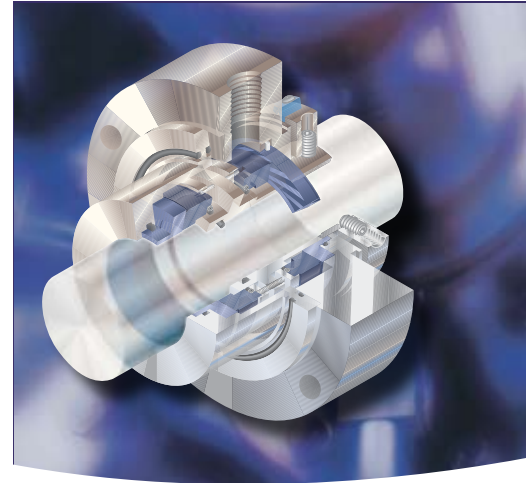


GF-200 Series Dual non-contacting gas barrier seals

GF-200 dual seals are non-contacting, gas barrier seals used in applications where no emissions of hazardous pumped products can be tolerated. Advanced Pattern Groove System provides low speed lift-off, low gas leakage and no face contact.



Features and Benefits

- Dual seal pressurized with an inert gas barrier operates with zero process emissions to satisfy environmental monitoring requirements.
- Silicon carbide seal faces use APGS Precision Face Topography to separate the faces with a stiff, thin gas film that prevents wear and extends seal life.
- The LoDrag™ O-ring technology provides consistent dynamic O-ring squeeze to reduce drag and maintain proper seal face tracking.
- Seal faces are optimized by geometry, materials, spring loads, and drive mechanisms to remain flat under all operating conditions and deliver long-term, reliable performance.
- Non-contacting seal faces require very low power consumption during start-up and running operation.
- Factory preset and tested cartridge design simplifies installation on the equipment for a quick and trouble-free start-up.
- Gas barrier sustained by a Plan 74 support system is simple to operate and reduces the maintenance, costs, and complexity associated with liquid barrier systems.

Operating Parameters

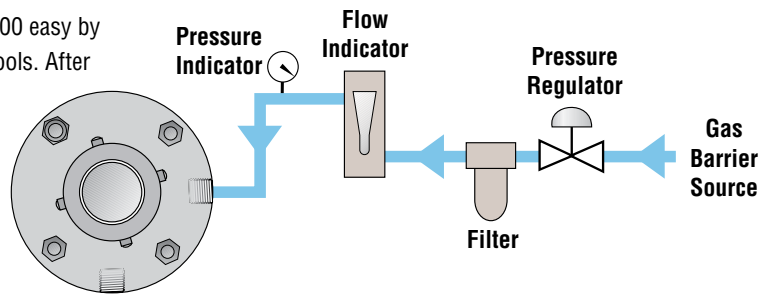
Pressure	Up to 500 psig (34.5 bar)
Temperature	-40 to 500°F (-40 to 260°C)
Surface Speed	4.2 to 83.3 fps (1.3 to 25 m/s)
Shaft Sizes	1.000 to 6.000 inch (25.4 to 152 mm)

Materials of Construction

Metal Components	316 Stainless Steel, Alloy C-276, Alloy 20
Rotating Face	Premium resin grade carbon, Direct sintered silicon carbide
Stationary Face	Direct sintered silicon carbide
Elastomers	Fluoroelastomer, Perfluoroelastomer, EPDM

Simple seal installation and piping

The preset cartridge design makes installation of the GF-200 easy by eliminating the need for measuring, centering or special tools. After sliding it on the shaft, tighten the gland bolts and set screws, remove the centering tabs and the seal is ready. Piping for the GF-200 is much simpler than with liquid barrier supply systems. Just tap into a barrier gas header and install a pressure indicator, flow indicator, filter, and a regulator. As soon as the gas pressure is set 25 to 50 psi (1.7 to 3.4 bar) higher than the operating seal chamber pressure, the GF-200 is ready to run.



Optional gas barrier control panel puts everything at your fingertips

A compact, self-contained, easy to use Plan 74 support system for the GF-200 is also available from Flowserve. It includes all controls for reliable, efficient seal operation and eliminates the time and hassle of installing each component separately.



FSD137eng REV 08-07 Printed in USA

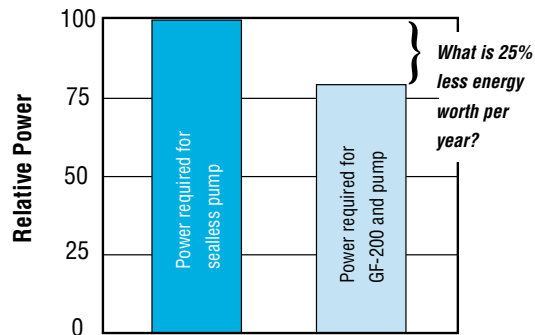
To find your local Flowserve representative
and find out more about Flowserve Corporation visit
www.flowserve.com

Flowserve Corporation has established industry leadership in the design and manufacture of its products. When properly selected, this Flowserve product is designed to perform its intended function safely during its useful life. However, the purchaser or user of Flowserve products should be aware that Flowserve products might be used in numerous applications under a wide variety of industrial service conditions. Although Flowserve can provide general guidelines, it cannot provide specific data and warnings for all possible applications. The purchaser/user must therefore assume the ultimate responsibility for the proper sizing and selection, installation, operation, and maintenance of Flowserve products. The purchaser/user should read and understand the Installation Instructions included with the product, and train its employees and contractors in the safe use of Flowserve products in connection with the specific application.

While the information and specifications contained in this literature are believed to be accurate, they are supplied for informative purposes only and should not be considered certified or as a guarantee of satisfactory results by reliance thereon. Nothing contained herein is to be construed as a warranty or guarantee, express or implied, regarding any matter with respect to this product. Because Flowserve is continually improving and upgrading its product design, the specifications, dimensions and information contained herein are subject to change without notice. Should any question arise concerning these provisions, the purchaser/user should contact Flowserve Corporation at any one of its worldwide operations or offices.

Decrease operating costs in a conventional pump

The APGS Precision Face Topography of the GF-200 means a conventional pump will require about 25% less power to achieve the same flow and head than with a sealless pump. The GF-200 is designed to provide continuous performance under conditions that can cause sealless pumps to fail, such as dry running.



USA and Canada

Kalamazoo, Michigan USA
Telephone: 1 269 381 2650
Telefax: 1 269 382 8726

Europe, Middle East, Africa

Roosendaal, The Netherlands
Telephone: 31 165 581400
Telefax: 31 165 554590

Asia Pacific

Singapore
Telephone: 65 6544 6800
Telefax: 65 6214 0541

Latin America

Mexico City
Telephone: 52 55 5567 7170
Telefax: 52 55 5567 4224