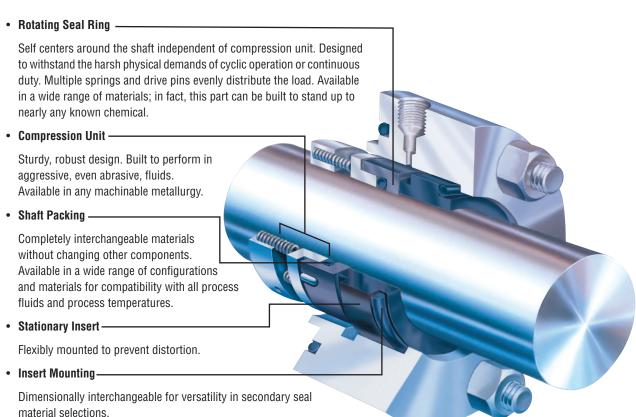


RO Single, unbalanced, multi-spring pusher seal for general purpose applications

A simple, proven and dependable design features an open, rotating compression unit that imparts a turbulent flow of the process fluid which helps keep solids away from the seal faces and removes seal generated heat. The flexibly mounted insert compensates for misalignment to ensure seal face contact. Off-the-shelf availability in standard configurations for most chemical pumps.



Features and Benefits





Available Materials of Construction

Metal Components

304, 316 or 20 Stainless Steel Alloy 400 Alloy C-276 or B-2 Titanium Nickel Tantalum

Seal Rings or Inserts

Tungsten Carbide
Silicon Carbide
Peramic
Durchrome
Bronze
No. 5 Carbon

Secondary Seals

(shaft packing and insert mounting)

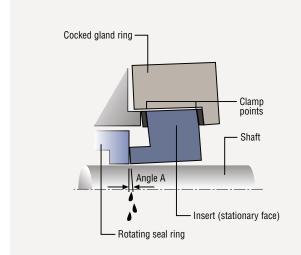
Fluoroelastomer
Buna N
Ethylene Propylene
Rubber (EPR)
Perfluoroelastomer
Ethylene Propylene
Terpolymer (EPT)
Neoprene
PTFE

Operating Parameters

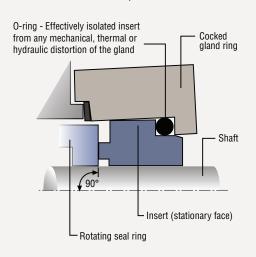
Maximum Pressure: Up to 20 bar (300 psi)
 Temperature: cryogenics to 260°C (500°F)
 Speed: Up to 23 mps (4500 fpm)

Here's how the RO seal self-compensates for any installation misalignment or gland irregularities

With a clamped insert, a cocked gland ring can cause seal faces to misalign (angle A) and leakage can occur.



With Flowserve's flexibly mounted insert, the gland ring can be cocked and the insert remains square with the axis of the shaft.



FSD155eng REV 10/09 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.

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