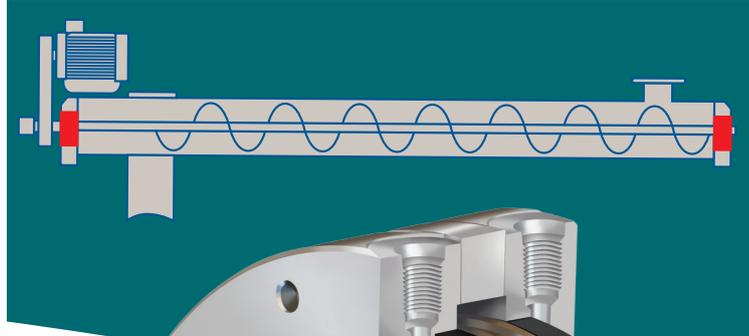


# BulkTite™

*powder and bulk solids seal*

*Designed for rotating equipment handling powder and bulk solids, BulkTite™ seals are ideal for chemical, power, food processing, pharmaceutical and general industries.*

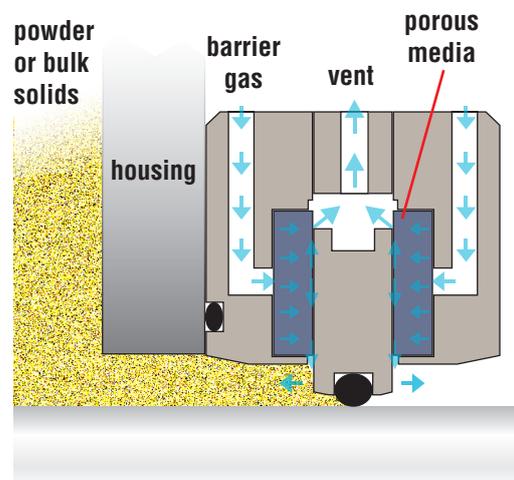
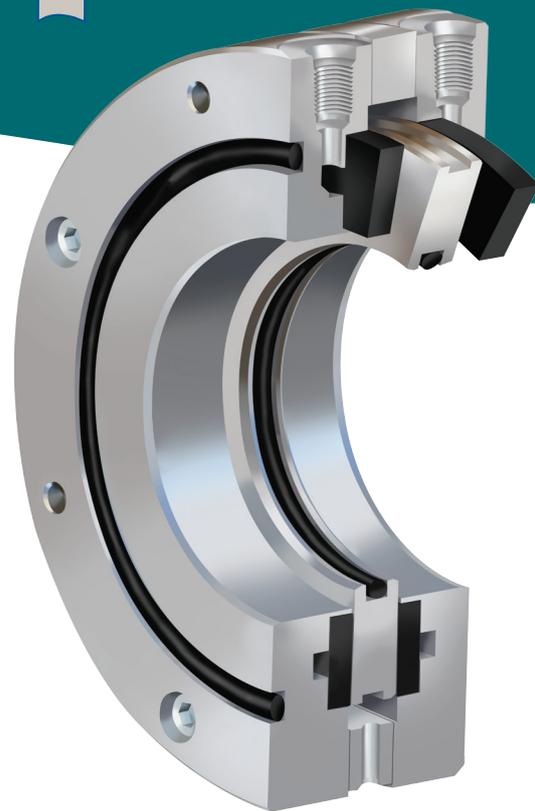


### **Reliability from advanced technology**

Leveraging proven air bearing technology, BulkTite seals provide improved sealing performance by eliminating the shortcomings of conventional seals such as packing, lip seals and bushings. With non-wearing, non-damaging and low maintenance features, BulkTite seals economically extend the continuous operation of rotating equipment such as screw conveyors, rotary airlocks, mixers, clinker grinders, and de-lumpers.

### **Features and benefits**

- Porous air bearing technology improves seal life through non-wearing / non-contact sealing
- Prolongs seal life compared to traditional sealing methods through:
  - Floating rotor allows 3.2 mm (0.125 inch) radial shaft movement without contact or binding
  - Durable drive O-ring absorbs shaft thermal expansion while minimizing seal axial loading
  - Unique rotor design accommodates up to 2° angular misalignment as standard for reduced heat generation and seal wear
- Proprietary porous media minimizes air consumption and reduces operating cost
- Reduces installation and maintenance time through flexible adapters for easy mounting and installation



### Materials of Construction

|                         |                     |
|-------------------------|---------------------|
| <b>Metal Components</b> | 316 Stainless Steel |
| <b>Gaskets</b>          | Fluoroelastomer     |
| <b>Porous Media</b>     | Carbon              |

### Equipment Parameters

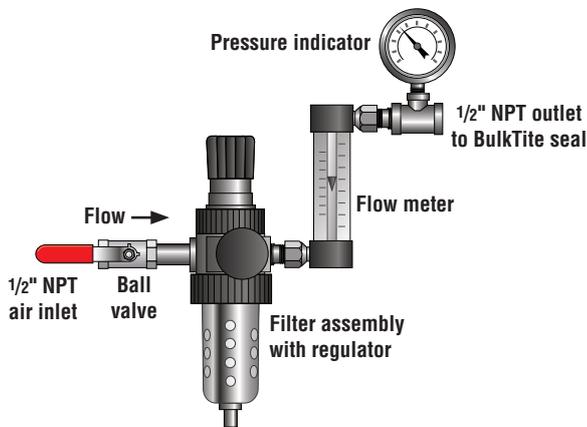
|                                     |                                       |
|-------------------------------------|---------------------------------------|
| <b>Shaft Diameter</b>               | 16 - 150 mm<br>(0.625 - 6.000 inches) |
| <b>Maximum Radial Run-out</b>       | 3.1 mm (0.125 inches)                 |
| <b>Maximum Angular Misalignment</b> | 2 degrees                             |

### Available Designs

- Standard design fits popular equipment
- Custom engineered solutions to meet specific application requirements, consult your Flowserve representative for more information

### Recommended gas supply support system

For more information reference BM# B0298647



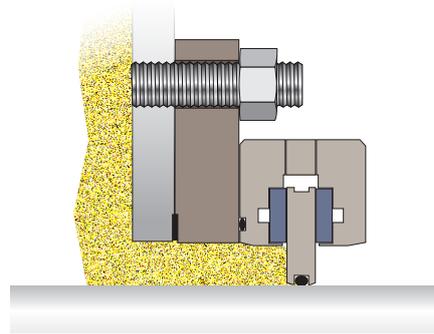
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**To find your local Flowserve representative**  
and find out more about Flowserve Corporation visit  
[www.flowserve.com](http://www.flowserve.com)

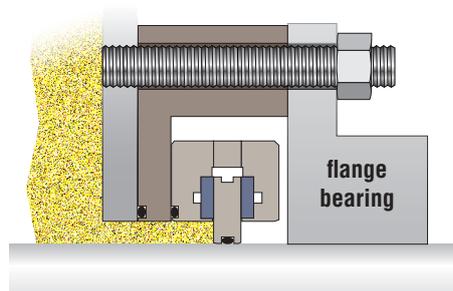
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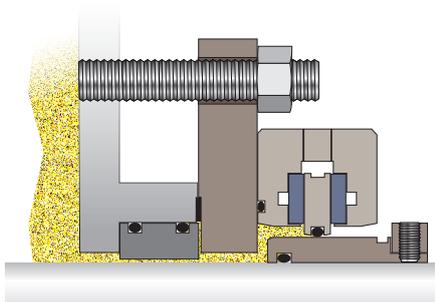
### Mounting options



**Standard installation with flanged adapter plate**



**Standard installation with flanged bearing**



**Stuffing box retrofit with optional bushing and shaft sleeve**

#### 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