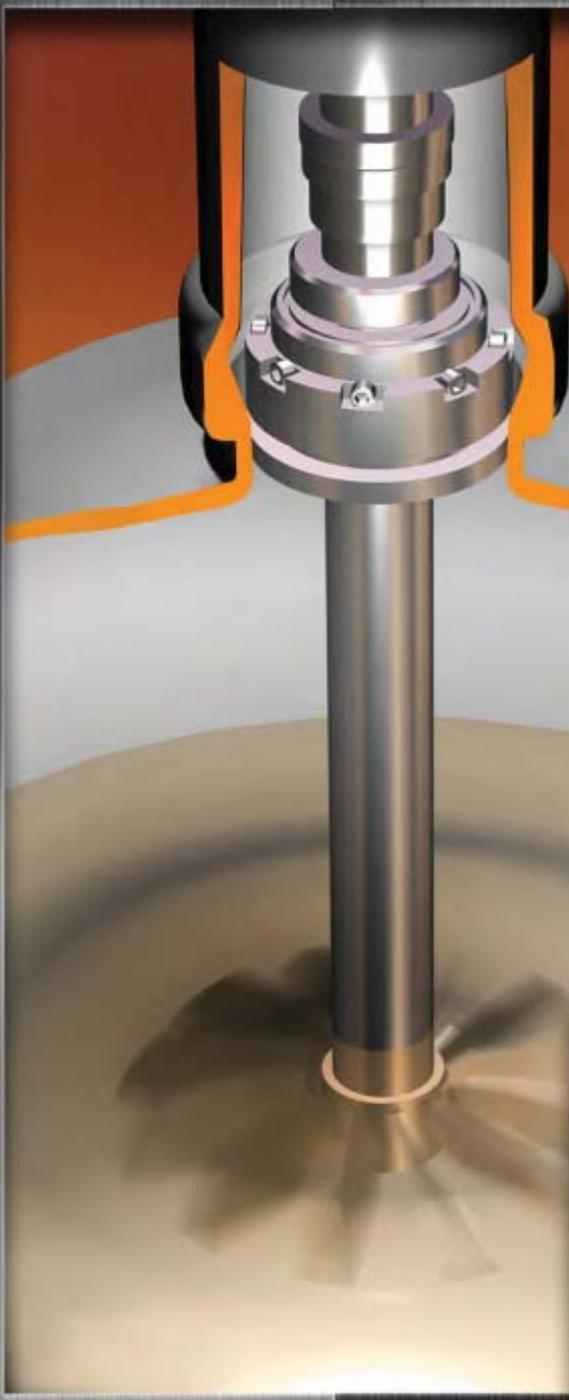


GENERAL SEAL

**ADVANCED
MECHANICAL
SEALS** For
**Mixers, Agitators,
Pressure Vessels,
Glass-lined Reactors.**



Type PV-3



*Excellence In Engineered Sealing Systems
...Since 1980*

ADVANCED MECHANICAL SEALS

**For Mixers, Agitators,
Pressure Vessels,
Glass-lined Reactors etc.**

Features

Higher shaft run-outs (upto 3 mm)
and axial play (upto 1.5 mm)

Hydraulically pressure-balanced designs

Self-aligning seal faces (rotary and
stationary) maintain contact under extreme
operating conditions

Cartridge seal design— no measurements
needed for installation

Pre-assembled and pre-tested at factory

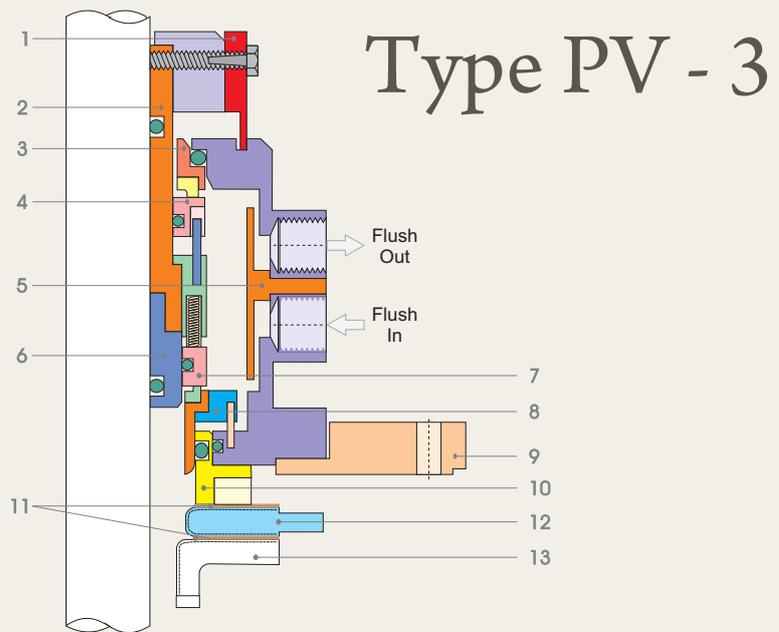
Self Centering design

No need to handle individual components

Broad seal faces accommodate larger shaft
swings

Large cooling passages with the unique
baffle plate arrangement for efficient
barrier-fluid circulation

Independent of direction of rotation



PV - 3 Seal

- 1 Centering shim
- 2 Cartridge Sleeve
- 3 Outboard stationary Seal Ring
- 4 Outboard Rotary Seal Ring
- 5 Baffle Plate
- 6 Optional High Alloy Insert for Cartridge Sleeve
- 7 Inboard Rotary Seal Ring
- 8 Inboard Stationary Seal Ring (High Alloy Optional)
with Self Aligning Features
- 9 Adapter Plate
- 10 Optional High Alloy Insert for Bottom Cover
- 11 PTFE Gasket
- 12 Protection Pad
- 13 Nozzle of Pressure Vessel

Application Data

Material of Construction:

<i>Seal Faces-</i>	Carbon Solid Ceramic Plasma Sprayed Ceramic on Metallic Substrates Tungsten Carbide Silicon Carbide
<i>Elastomers-</i>	NITRILE NEOPRENE VITON [®] KALREZ [®] PTFE Encapsulated VITON PTFE / GFT
<i>Body Parts and Spring -</i>	{ St. Steels AISI - 304 / 316 } { Higher Alloy Steels }

Pressure: VACUUM To 200 Bars

Temperature: -30°C to +400°C

RPM: upto 1000

- For more rigorous applications consult General Seal

© -Trade Mark of Du Pont USA

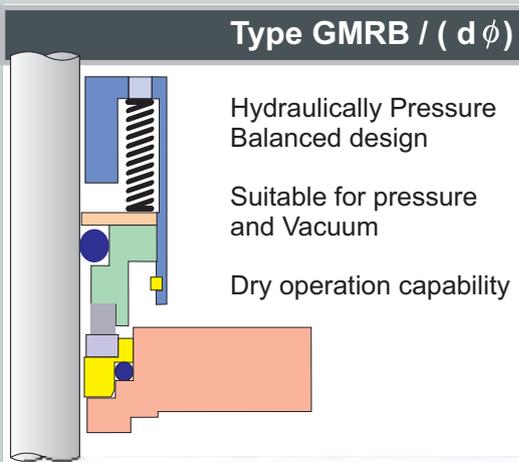
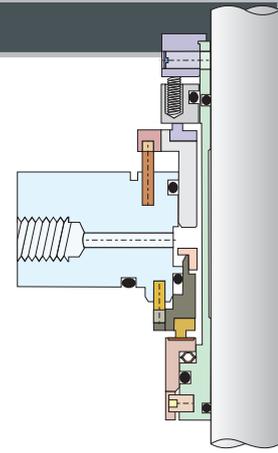


Many other tailor-made designs... For individual requirements!



Type PV 2 / (dφ) / SAS

- Hydraulically Pressure Balanced Seal
- Independent of direction of rotation
- Self aligning feature allows larger shaft runouts
- Common Spring loading on stationary faces permits higher shaft movements



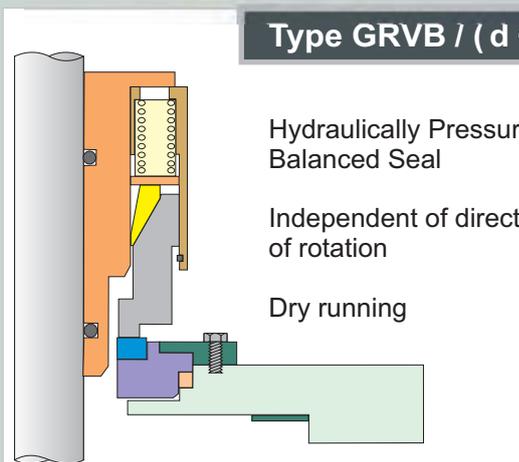
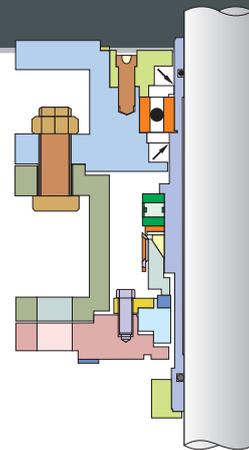
Type GMRB / (d φ)

- Hydraulically Pressure Balanced design
- Suitable for pressure and Vacuum
- Dry operation capability



Type GRVB / 1

- Hydraulically Pressure Balanced Seal
- Independent of direction of rotation
- Cartridge Design with Internal bearing



Type GRVB / (d φ)

- Hydraulically Pressure Balanced Seal
- Independent of direction of rotation
- Dry running





A complete range of Custom-made Seals from General Seal

GENERAL SEAL'S family of E R S, A P S and R C mechanical seals are extremely cost-effective products. They are manufactured specifically to meet customer's individual requirements. Each seal is tailor-made to fit a given equipment in replacement of parts supplied by OEMs. GENERAL SEAL guarantees that there will be no need for changing original equipment parts to accommodate this change nor any new installation procedures or dimensions need to be recorded. Invariably, GENERAL SEAL's replacement seals have exceeded the performance of those originals which were replaced by them.

All GENERAL SEAL products are manufactured from the finest raw material obtained from the best sources world-wide. Each component is manufactured on some of the highest technology machinery and equipment in the world. All components and complete seal units undergo rigorous quality inspection procedures as laid under ISO-9001:2000

The size and design range covers all segments from simple water pump seals to complex double cartridge seals of balanced and unbalanced types.



GENERAL SEAL COMPANY PVT LTD

Excellence in Engineered Sealing Systems

PLOT NO. D-29/10, MIDC-TTC INDUSTRIAL AREA, NEAR TURBHE
TELEPHONE EXCHANGE, NEW MUMBAI - 400 705, INDIA.
TEL.: (22) 27672687, 27686662, 27634265, 27634129,
FAX.: 91-22-27632839, 27610380
Email : info@generalseals.com Website: www.generalseals.com