rotech
PUMPS & SYSTEMS INC.
"Your Source to Fluid handling"

TYPE 80 B OUTSIDE SEALS

Application:

General industrial applications including process industries, food processing, mixers, agitators, oil & refineries, marine, pharmaceuticals, petrochemical, pulp & paper, power generation, waste water, water desalination. Lubricating liquids, aqueous solutions, chemicals, corrosives and acids.

TYPE 80 B

Design Features:

- **O-ring Design**

Permits accommodation of many different fluids through use of wide variety of materials

- **Single Coil Spring**

Provides greater dependability then multiple spring designs. Will not foul due to fluid contacts.

- **Mechanical Design**

Reduces slippage of shaft and sleeve to eliminate galling and premature wear.

- **Compact Design**

Permits use in all types of rotating equipment centrifugal pumps, mixers and agitators.

Operating Conditions :

- **Temperature**

-40 Deg. F to 500 Deg. F (depending upon material used)
Pressure : 750 psig

- **Design Features.....**

This seal has Rotary part generally with Carbon face, steel retainer, O-ring, set screws.

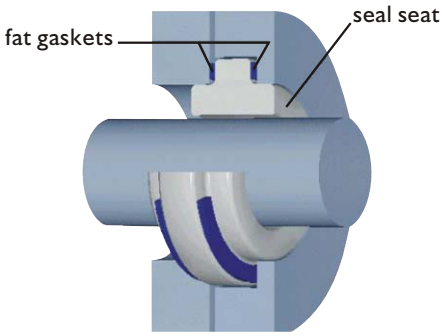
Rotary can be supplied with Silicon Carbide and Tungsten Carbide depending upon application requirement.

Elastomer used are VITON, EPDM, KALREZ depending upon requirements.

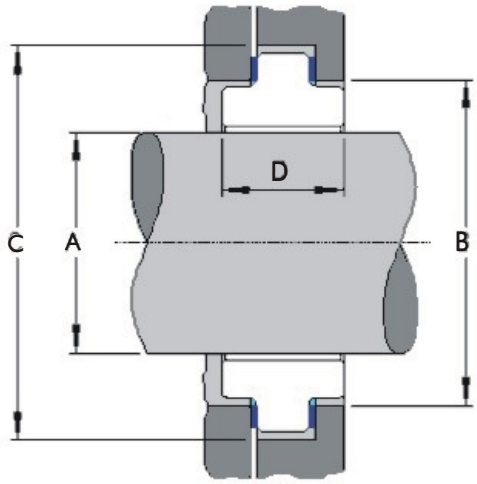
Materials not listed above can be supplied on demand.

TYPE 80 B OUTSIDE SEALS

This seal seat design consists of a ring with "T" shape section, when installed the seal seat is clamped between the gland and the stuffing box face (sometimes can be clamped between the gland and the gland adepter or between the gland adapter and the stuffing box face), flat gaskets are used to seal the joints between the seal seat and the body of the pump, these gaskets are usually of materials such as non-asbestos comprising a matrix of elastomers and insert fillers reinforced with aramid and inorganic fibers...however they can be of metallic materials if pressure and temperature are too high. If it is required the design of the seal seat can be modified by removing one (or even both) of its "shoulders" and though it may appear to be a "floating style seat". It is still a clamped style.



cross-section of an installed seal seat



A = Shaft diameter B = "Shoulder" diameter
C = Bore diameter D = Seal seat Length

Installation Dimensions

All dimensions are in inches meeting ANSI specifications. Also in metric sizes meeting DIN standards. For non-standard inch and metric sizes or sizes greater than listed below please contact us.

A	B1	B2	C	D
1.125	1.875	1.875	2.375	1.000
1.250	2.000	2.000	2.500	0.970
1.625	2.375	2.500	2.875	1.000
2.125	2.875	2.875	3.375	1.000

Rotech reserves right to change Specifications or Dimensions of seal without notice.

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