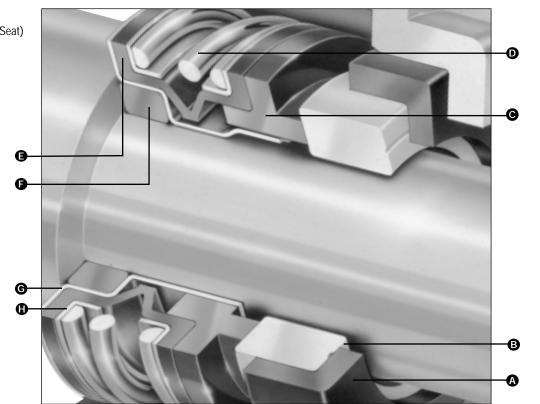


- ${\boldsymbol{\mathsf{A}}}$ Seat Cup
- ${\boldsymbol{\mathsf{B}}}$ Mating Ring (Seat)
- $\boldsymbol{C}~$ Primary Ring
- $\boldsymbol{\mathsf{D}}\ -\ \mathsf{Spring}$
- E Bellows
- **F** Drive Ring
- ${\boldsymbol{\mathsf{G}}}$ Drive Sleeve
- ${\bf H}$ Ferrules



Product Description

The Type 6 is a compact, unitized, single spring, elastomer bellows mechanical seal.

 Type 6 Seals are designed for use in small centrifugal water pumps, deep and shallow well jet pumps, swimming pool pumps and wastewater pumps.

Design Features

Seal Design:

One piece design enhances production line installation and allows for ease of replacement.

Sealing Faces:

Precision surface finish optimizes the service life and reliability. Materials designed to meet the broadest range of applications.

Drive Ring:

Elastomer drive ring is pre-loaded to provide positive drive and tight seal along the shaft.

Flexible Bellows:

Full convolution elastomer bellows provides maximum flexibility in compensating for shaft movement and wear.

Spring:

Coil spring and ferrules provide consistent face loading through extreme working conditions.

Performance Capabilities

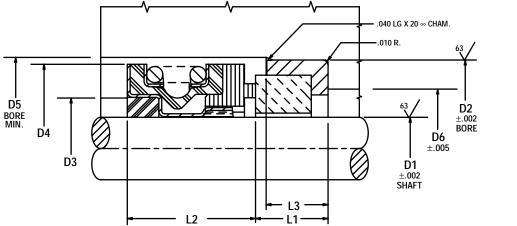
- Temperature: -45°C to 205°C/-49°F to 400°F
- Pressure: ID: 7.20 psi (0.5 bar) OD: up to 75 psig (5 bar g)
- Speed: Up to 1000 fpm/5m/s Up to 3600 rpm

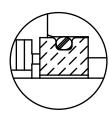
Industries Served

- Pool and Spa
- Industrial, Commercial and Residential Water Systems
- Heating and Cooling



Type 6 Typical Arrangement/Dimensional Data





ALTERNATE O-RING SEAT

Type 6 Dimensional Data (inches)

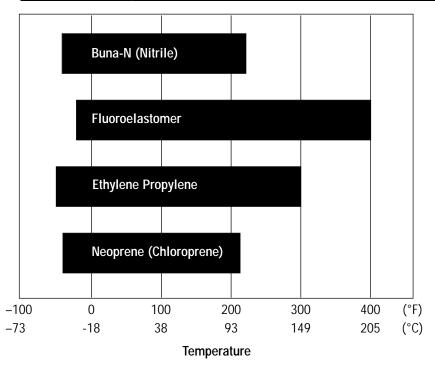
Seal Size/D1								
(inches)	D2	D3	D4	D5	D6	L1	L2	L3
0.375	1.000	0.812	1.062	1.312	0.750	0.312	0.656	0.250
0.437	1.000	0.812	1.062	1.312	0.750	0.312	0.656	0.250
0.500	1.000	0.812	1.062	1.312	0.750	0.312	0.656	0.250
0.562	1.250	0.937	1.218	1.500	0.937	0.406	0.718	0.343
0.625	1.250	0.937	1.218	1.500	0.937	0.406	0.718	0.343
0.687	1.375	1.062	1.343	1.625	1.062	0.406	0.718	0.343
0.750	1.375	1.062	1.343	1.625	1.062	0.406	0.718	0.343
0.875	1.625	1.312	1.687	2.000	1.312	0.437	0.812	0.375
1.000	1.625	1.312	1.687	2.000	1.312	0.437	0.812	0.375



Criteria for Installation

Shaft/Sleeve	Limits		
Surface Finish	32 to 63 Ra		
Out of Roundness	0.051mm/.002"		
Axial End Play	± 0.13mm/0.005"		

Elastomer Temperature Limits

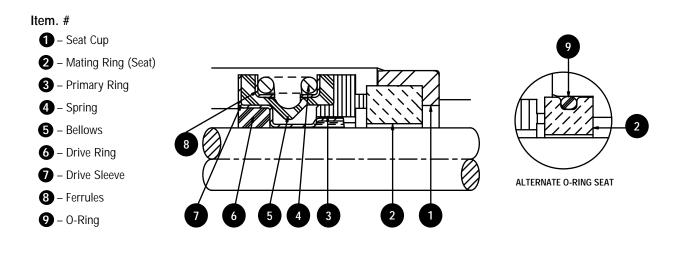




Materials of Construction

SEAL COMPONENTS	MATERIALS			
Primary Ring (Washer)	Cranecarb (Phenolic Carbon Graphite) Carbon			
Mating Ring (Seat)	Ceramic Silicon Carbide Niresist			
Hardware	Stainless Steel			
Secondary Seals (Bellows, Drive Ring, Seat Cup, O-Ring)	Buna-N (Nitrile) Neoprene [®] (Chloroprene) Ethylene Propylene Fluoroelastomer			
Spring	Stainless Steel			

Neoprene is a registered trademark of DuPont.





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