

LP-S-S32-E10

Designed for Sulzer APP/APT pumps

Wide Range of Applications

- Pulp and paper industry
- Chemical industry
- All clean none abrasive media
- Sulzer Ahlstar APP and APT centrifugal pumps

Structural Features

- Integrated seal for Sulzer A pumps
- Single + Plan 11 flush
- Semi cartridge unit
- Balanced
- Independent of direction of rotation
- Static springs
- No dynamic O-Ring on shaft
- Rugged design
- Shrink-fitted seal faces
- Seal faces have a large clearance to the shaft
- Wear part cost minimized



Material Configurations

- Rotary Face Ring: Silicon Carbide, Carbon
- Stationary Face Ring: Silicon Carbide
- Elastomer Seals: Viton, EPDM, FFKM
- Springs: HC276/SS316
- Metal Parts: SS316, SS329 Duplex, 2205 Super Duplex, Titanium

Operating Parameters

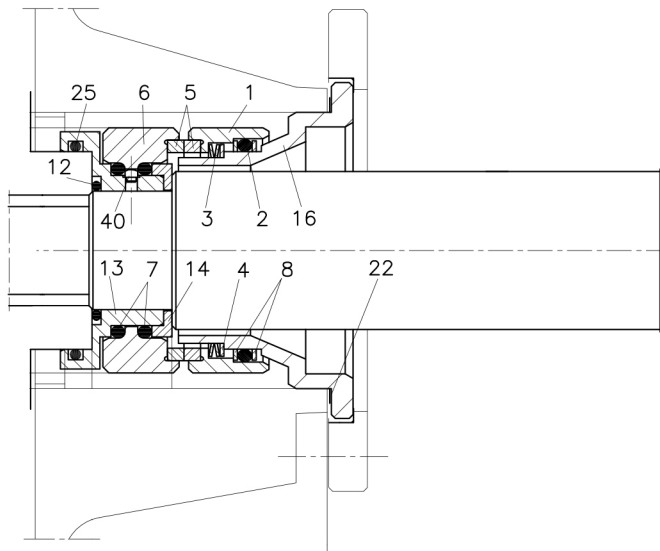
- Operating Temperature: -20 to 140 °C (180 °C with FFKM elastomers)
- Operating Pressure: not higher than 2.5 MPa
- Linear Speed: not higher than 20 m/s
- Stock Content Percentage: not higher than 4%
- Shaft Sizes Available: 30mm, 40mm, 50mm, 60mm, 80mm and 90mm

Advantages

- Individually integrated to equipment for best sealing result
- Straightforward and easy installation
- Static springs reduces influence of misalignment
- No damage of the shaft by dynamically loaded O-Ring
- Extended service life due to rugged design
- No brittle parts in contact with torque transmission pins
- Seal faces protected by strong steel parts and a large radial clearance
- The double, quench and single seals have the same wear parts on product side
- Reduces stock holding costs

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Item	Designation
1	Stationary Ring
5	Seal Face
2, 7, 12, 25	O-ring
3	Spring
16	Shaft Sleeve
8, 22	Gasket
14	Bandage
6	Rotary Ring
4	Thrust Ring
40	Pin
13	Adapter

Notes

- Double, quench and single seals have the same wear parts on the product side, reduces stock holding costs
- The dual seal (LP-D-S32-D20) can also be used as single seal (as LP-S-S32-E10) by removing the atmospheric seal parts
- Can be used with flush with medium or water (LP-S-S32-F10)

Product Variants

- LP-D-S32-D20, dual seal, for Sulzer APP/APT pumps which require double seals
- LP-S-S32-E10, single seal, for Sulzer APP/APT pumps which require single seals
- LP-S-S32-F10, single seal with flush, for Sulzer APP/APT pumps
- LP-Q-S32-E20, single seal with quench, for Sulzer APP/APT pumps
- LP-G-S32-E30, single seal with grease lubrication, for Sulzer APP/APT pumps with no water source conditions