

COMPANY PROFILE & PRODUCT CATALOGUE

Mechanical seal design, manufacture, and repair specialist



COMPANY PROFILE

CV. DIMAS A SEAL established in 2009 at Sidoarjo, East Java, Indonesia engaging in designing, manufacturing, and repairing all kinds of mechanical seals and sealing material under the brand A-SEAL. We strictly insist on the quality principle of "Technical Innovation, Quality Products, Reliable Service, Continuous Improvements, and Customer Satisfaction"

A-SEAL products are widely used in the fields of food, wastewater, pharmacy, and chemical. Basically many products have inner connection which could be replaced. Besides of standard products (OEM Component Seal and Cartridge Seal) manufacturing, we could design and manufacture items as well according to your drawing and samples with our engineers and technicians.

Repair is also our speciality, we could make all of your seals or items being fresh and new. Also it will work properly like new. Please reach us for more information and any witnesses.

Regards

CV DIMAS A SEAL



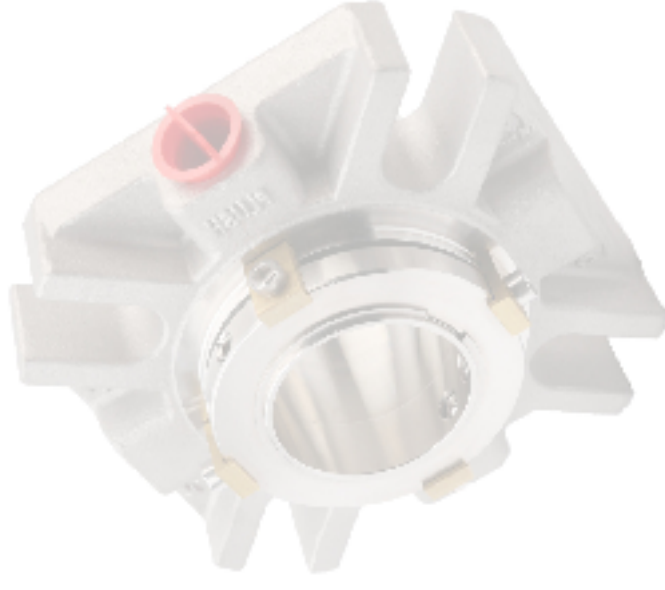
CV. DIMAS A SEAL
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E-mail : dimasasealseal@gmail.com

Website : dimasaseal.com

Tel : 031 866 4299 / 081 331 240 243



What Can We Do ?

Our Services

- Standard Cartridge Seals
- Mechanical Seals Custom Service
- Mechanical Seal Repairing Service
- Mechanical seal Field Solution
- Mechanical Seals Support System
- FFKM O-ring
- Bearing Isolators
- Mechanical seal Maintenance



CNC LATHE MACHINE (SMTCL CAK-4085NI WITH GSK 980TDB PROGRAM)



MANUAL LATHE MACHINE (SHENYANG SP 1860T)



PRODUCTION EQUIPMENTS

SINO SDS 2MS MANUAL MILLING MACHINE



KEMET DIAMOND FLAT LAPPING/POLISHING MACHINE 15"24" & 36"



PRODUCTION EQUIPMENTS

MECHANICAL SEAL ASSEMBLY PROCESS

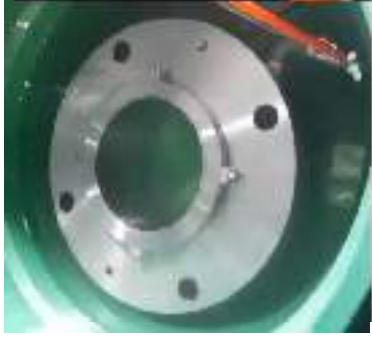


PRODUCTION EQUIPMENTS

CALLIBRATION PROCESS



PRESSURE TEST PROCESS



ON SITE GALLERY



REPAIR WORKS



CUSTOMER:



PT PETROKIMIA GRESIK

WORK ORDER:

**MECHANICAL SEAL
PA2 REPAIR**

BEFORE	AFTER	BEFORE	AFTER
			
			
			

REPAIR WORKS

CUSTOMER:



WORK ORDER:

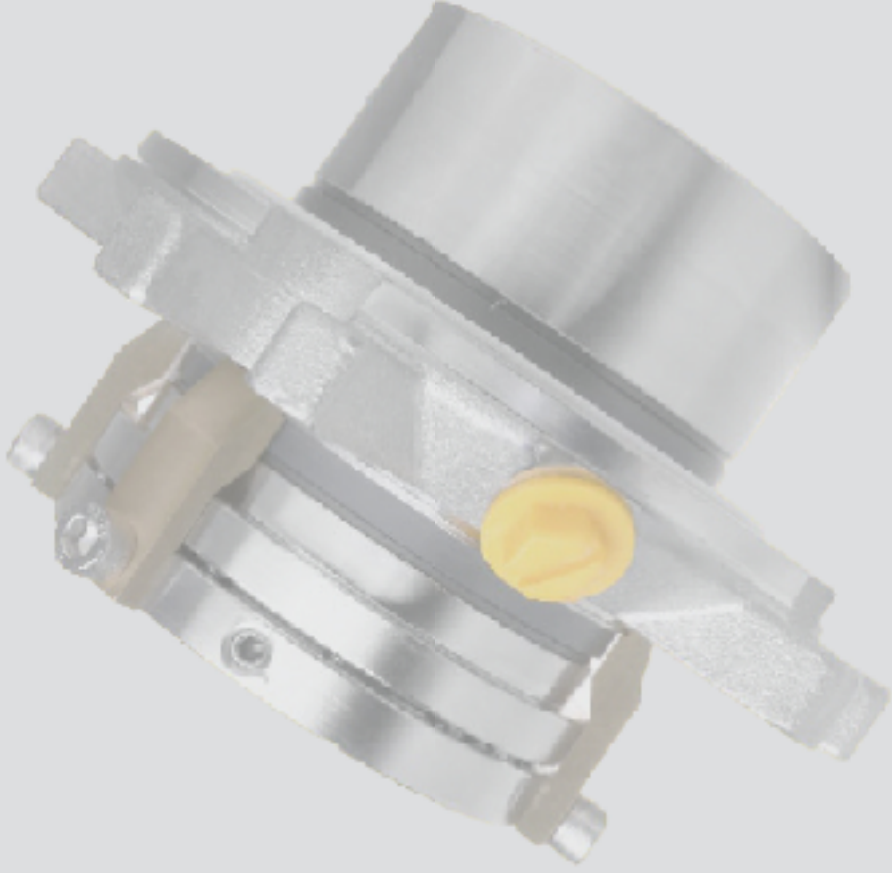
AGITATOR
REPAIR



BEFORE	AFTER	BEFORE	AFTER

Standard Products

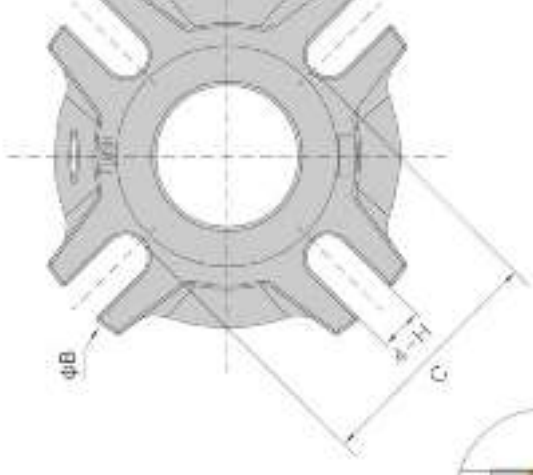
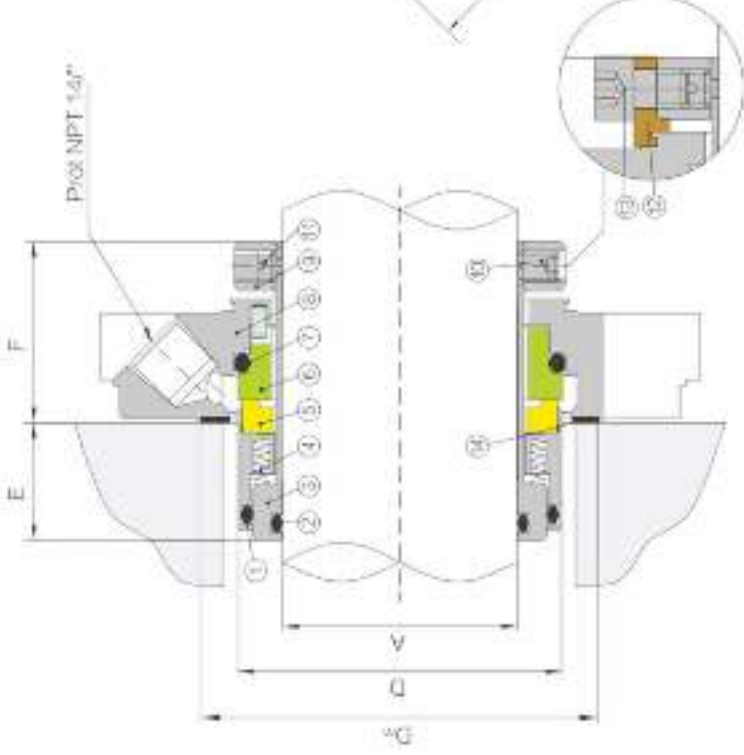
- ◆ **ESM** Economical Single Cartridge Seals
- ◆ **EDM** Economical Double Cartridge Seals
- ◆ **KSC/ KSCN** Single Stationary Cartridge Seals
- ◆ **KDC** Double Stationary Cartridge Seals
- ◆ **GSM** Single Stationary Cartridge Seals
- ◆ **GDM** Double Stationary Cartridge Seals
- ◆ **M100** Metal Bellow Seal
- ◆ **M200** Metal Bellow Seal



- Rotating and balanced design.
- Modular design , universal compatible parts , reduced cost.
- Springs loading protect from liquid , longer seal lifetime.
- Drive screws clamp directly on to shaft or sleeve to minimize drive loss.
- Standard 4 bolts gland designed for ISO 2858.
- Suitable for API Plan 11/21/23.

- Temperature: -20°C~ +180°C
- Pressure: 0~20 Bar
- Speed: Up to 20m/s
- Sealing Product: Acid, Alkaline, Low percentage of pulp water, oil, other similar media

316SS/Stainless Steel



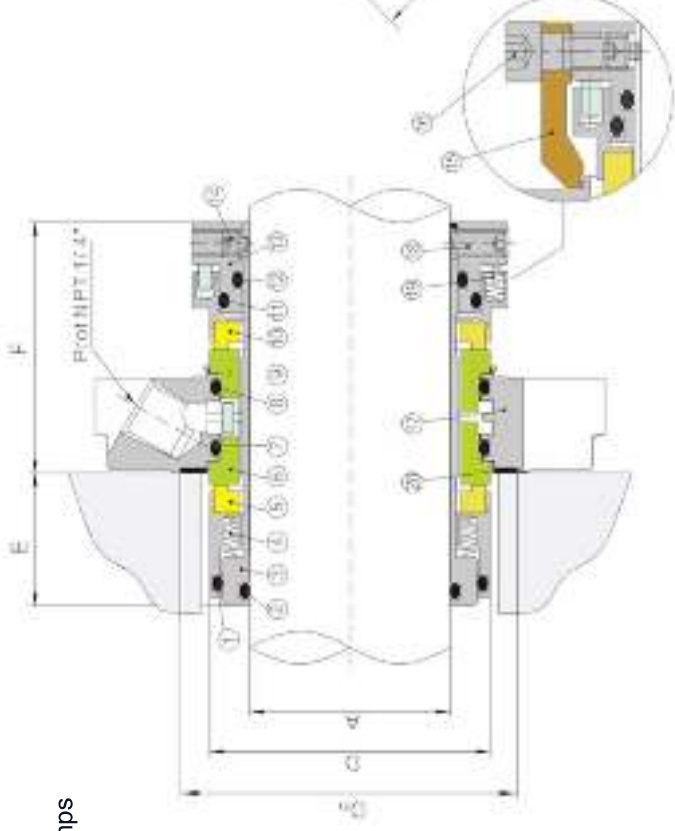
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1	O-Ring	EPR/Viton/Aflas/Kalrez	8	Gland	316SS/Stainless Steel
2	O-Ring	EPR/Viton/Aflas/Kalrez	9	Clamp Ring	316SS/Stainless Steel
3	Shaft Sleeve	316SS/Stainless Steel	10	Drive Screw	316SS/Stainless Steel
4	Spring	Alloy 276	11	Anti-tamper screw	316SS/Stainless Steel
5	Rotary Face	Carbon/SSIC/TC	12	Setting Clip	Brass
6	Stationary Face	SSIC/TC	13	Clip Screw	316SS/Stainless Steel
7	O-Ring	EPR/Viton/Aflas/Kalrez	14	Gasket	AFT

EDM

The Economically Efficient Double Seal Solution for Centrifugal Pumps

- Rotating and balanced design.
- Modular design , universal compatible parts , reduced cost.
- Springs loading protect from liquid , longer seal lifetime.
- Drive screws clamp directly on to shaft or sleeve to minimize drive loss.
- Standard 4 bolts gland designed for ISO 2858.
- Suitable for API Plan 52/53/54.

- Temperature: -20°C~ +180°C
- Pressure: 0~20 Bar
- Speed: Up to 20m/s
- Sealing Product: Acid, Alkaline, Low percentage of pulp water, oil, other similar media

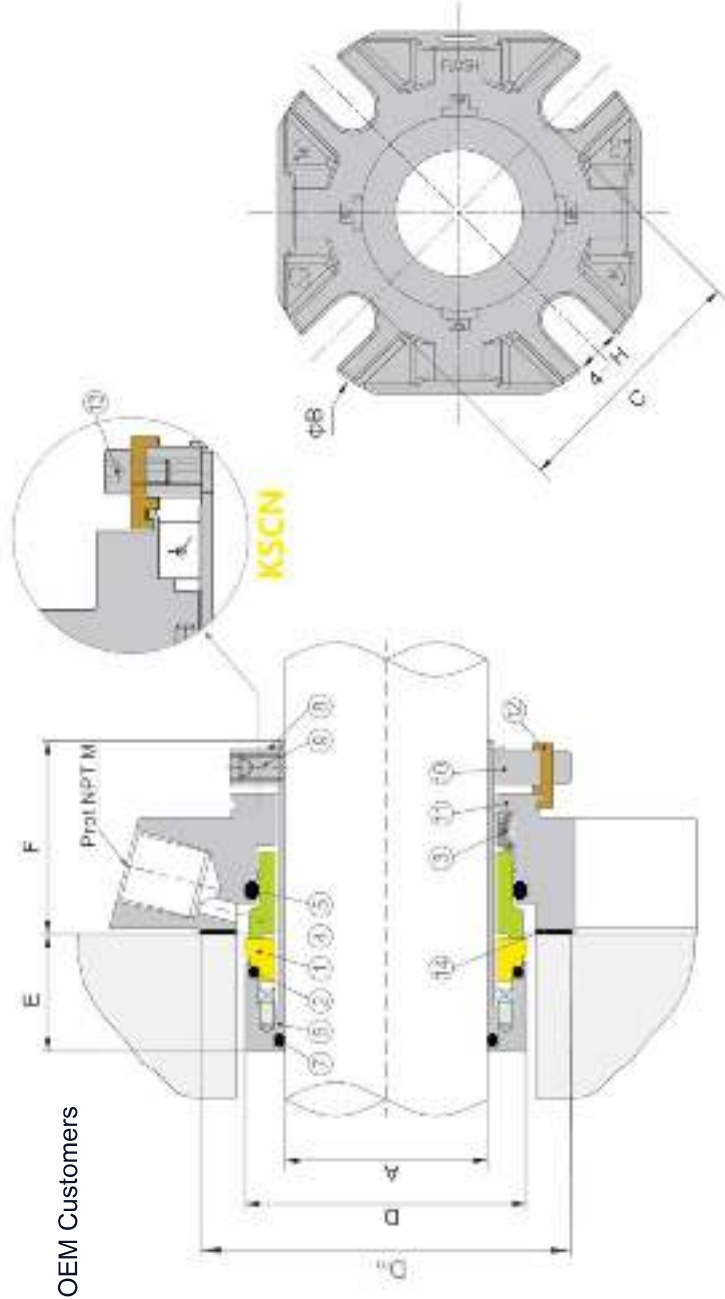


No	Description	Material	No	Description	Material
1	O-Ring	EPR/Viton/Aflas/Kalrez	11	O-Ring	EPR/Viton/Aflas/Kalrez
2	O-Ring	EPR/Viton/Aflas/Kalrez	12	O-Ring	EPR/Viton/Aflas/Kalrez
3	Shaft Sleeve	316SS/Stainless Steel	13	Clamp Ring	316SS/Stainless Steel
4	Spring	Alloy 276	14	Anti-tamper Screw	316SS/Stainless Steel
5	Inboard Rotary Face	Carbon/SSIC/TC	15	Setting Clip	Brass
6	Inboard Stationary Face	SSIC/TC	16	Clip Screw	316SS/Stainless Steel
7	O-Ring	EPR/Viton/Aflas/Kalrez	17	Gland	316SS/Stainless Steel
8	O-Ring	EPR/Viton/Aflas/Kalrez	18	Drive Screw	316SS/Stainless Steel
9	Outboard Stationary Face	SSIC/TC	19	Spring	Alloy 276
10	Outboard Rotary Face	Carbon/SSIC/TC	20	Gasket	AFT



The Standard Stationary Single Seal Solution for Higher Efficient OEM Customers

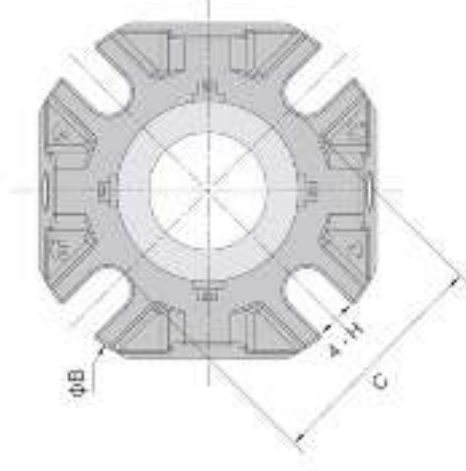
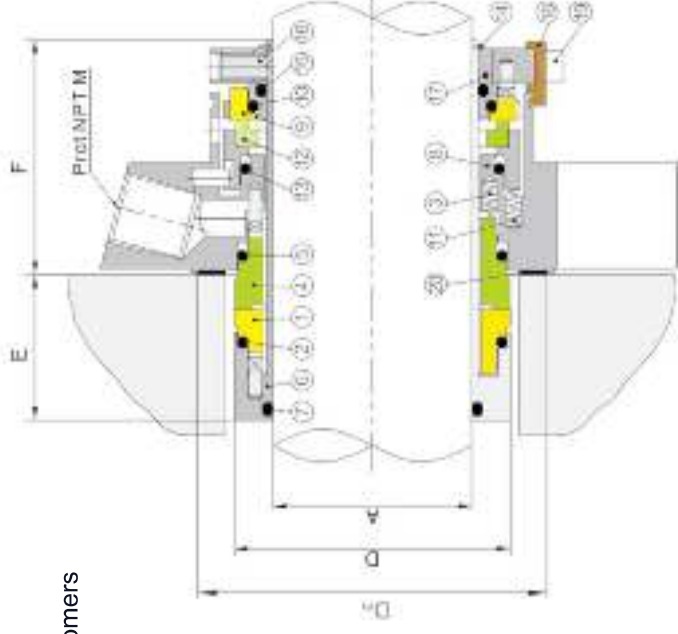
- Stationary face compensation technology.
 - Solid seal structure reduces deformation at high temperature and low temperature conditions.
 - High Speed limits , up to 220 degree . No seal face drop or displacement.
 - Higher pressure limits, up to 25 bar.
 - Suitable for API Plan 11/21/32/62.
- Temperature: -20°C~ +220°C
 - Pressure: 0~ 25 Bar
 - Speed: Up to 25m/s
 - Sealing Product: Acid, Alkaline, Low percentage of pulp water, oil, other similar media



No	Description	Material	No	Description	Material
1	Rotary Face	SSIC/TC	8	Circlip	316SS/Stainless Steel
2	O-Ring	EPR/Viton/Aflas/Kalrez	9	Drive Screw	316SS/Stainless Steel
3	Spring	Alloy 276	10	Clamp Ring	316SS/Stainless Steel
4	Stationary Face	Carbon/SSIC/TC	11	Gland	316SS/Stainless Steel
5	O-Ring	EPR/Viton/Aflas/Kalrez	12	Setting Clip	Brass
6	Shaft Sleeve	316SS/Stainless Steel	13	Clip Screw	316SS/Stainless Steel
7	O-Ring	EPR/Viton/Aflas/Kalrez	14	Gasket	AFT

- Stationary face compensation technology.
- Solid seal structure reduces deformation at high temperature and low temperature conditions.
- Integrated and Bi-directional diversion ,sleeve with pump ring.
- High Speed limits , up to 220 degree . No seal face drop or displacement.
- Wet part in Duplex steel,904L,Alloy 276 available.
- Suitable for API Plan 52/53A/53B/54.

- Temperature: -20°C~ +220°C
- Pressure: 0~ 25 Bar
- Speed: Up to 25m/s
- Sealing Product: Acid, Alkaline, Low percentage of pulp water, oil, other similar media



No	Description	Material	No	Description	Material
1	Inboard Rotary Face	SSIC/TC	11	Spring	Alloy 276
2	O-Ring	EPR/Viton/Aflas/Kalrez	12	Outboard Stationary Face	Carbon-316SS Stainless Steel
3	Spring	Alloy 276	13	O-Ring	EPR/Viton/Aflas/Kalrez
4	Inboard Stationary Face	Carbon/SSIC/TC	14	Cirdlip	Alloy 276
5	O-Ring	EPR/Viton/Aflas/Kalrez	15	O-Ring	EPR/Viton/Aflas/Kalrez
6	Shaft Sleeve	316SS/Stainless Steel	16	Drive Screw	316SS/Stainless Steel
7	O-Ring	EPR/Viton/Aflas/Kalrez	17	Clamp Ring	316SS/Stainless Steel
8	Gland	316SS/Stainless Steel	18	Setting Clip	Brass
9	Outboard Rotary Face	TC - 316SS Stainless Steel	19	Clip Screw	316SS/Stainless Steel
10	O-Ring	EPR/Viton/Aflas/Kalrez	20	Gasket	AFT

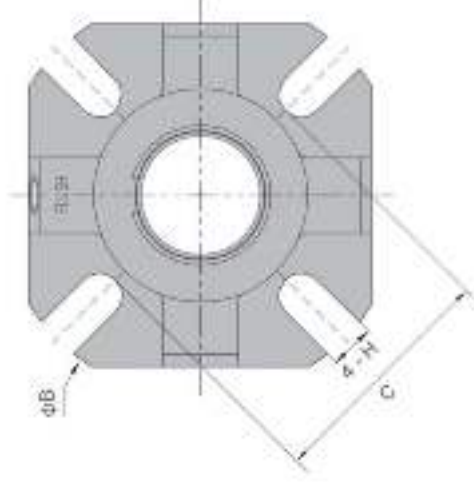
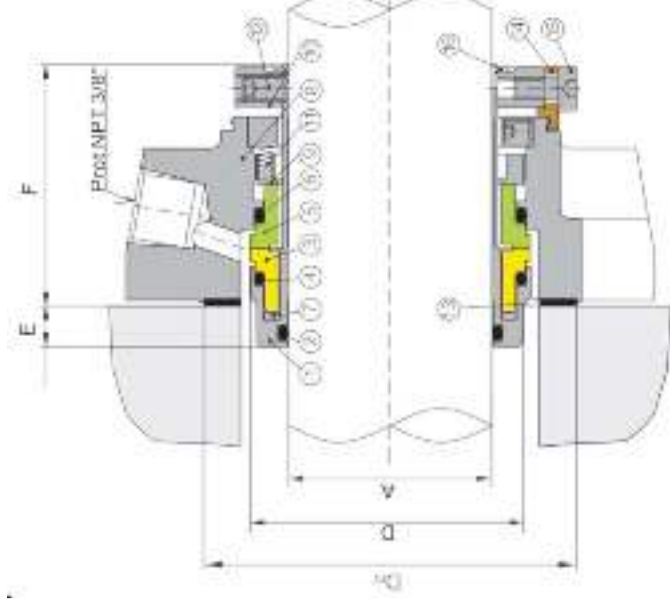


GSM



The Standard Stationary Single Seal Solution for Chemical Pump

- Stationary face compensation technology.
 - Solid seal structure reduces deformation at high temperature and low temperature conditions.
 - High Speed limits, up to 220 degree . No seal face drop or displacement.
 - Higher pressure limits , up to 25 bar.
 - Suitable for API Plan 11/21/32/62.
- Temperature: -40°C~ +280°C
 - Pressure: 0~ 25 Bar
 - Speed: Up to 25m/s
 - Sealing Product: Acid, Alkaline, Low percentage of pulp water, oil, other similar media



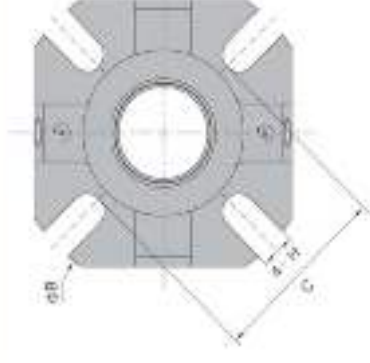
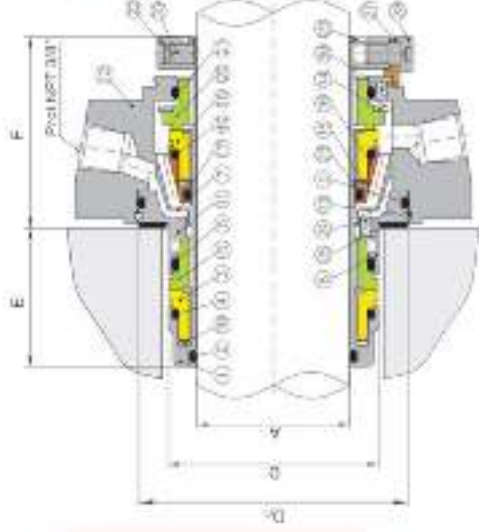
No	Description	Material	No	Description	Material
1	Shaft Sleeve	316SS/Stainless Steel	9	Spring Plate	316SS/Stainless Steel
2	O-Ring	EPR/Viton/Aflas/Kalrez	10	Clamp Ring	316SS/Stainless Steel
3	Rotary Face	SSIC/TC	11	Spring	Alloy 276
4	O-Ring	EPR/Viton/Aflas/Kalrez	12	Drive Screw	316SS/Stainless Steel
5	Stationary Face	Carbon/SSIC/TC	13	Gasket	AFT
6	O-Ring	EPR/Viton/Aflas/Kalrez	14	Setting Clip	Brass
7	Drive Ring	316SS/Stainless Steel	15	Clip Screw	316SS/Stainless Steel
8	Gland	316SS/Stainless Steel	16	Circlip	316SS/Stainless Steel



GDM

The Standard Stationary double Seal Solution for Chemical Pump

- Stationary face compensation technology.
- Double balanced solid face design.
- Integrated and Bi-directional diversion, unique pump ring design , excellent barrier fluid circulation.
- High Speed limits , up to 220 degree . No seal face drop or displacement.
- Higher pressure limits , up to 25 bar.
- Wet part in Duplex steel,904L,Alloy 276 available.
- Suitable for API Plan 52/53A/53B/54.



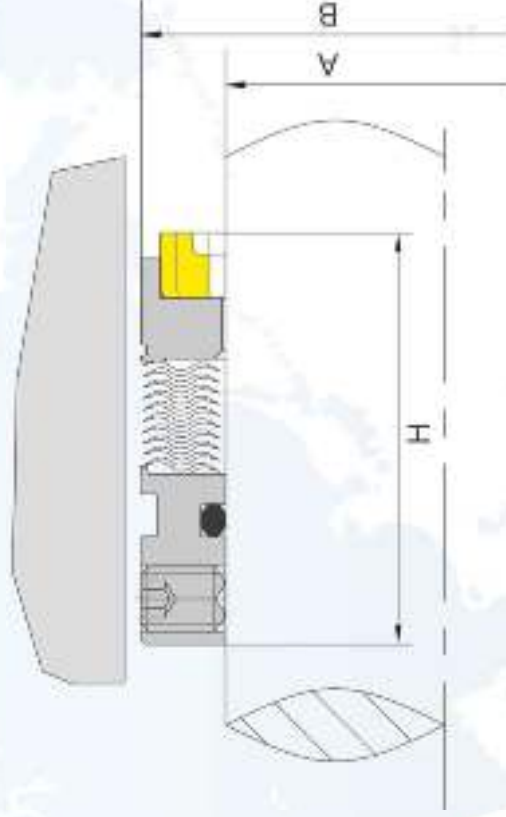
- Temperature: -20°C~ +220°C
- Pressure: 0~ 25 Bar
- Speed: Up to 25m/s
- Sealing Product: Acid, Alkaline, Low percentage of pulp water, oil, other similar media

No	Description	Material	No	Description	Material	No	Description	Material
1	Shaft Sleeve	316SS/Stainless Steel	11	Spring Plate	316SS/Stainless Steel	21	O-Ring	EPR/Viton/Aflas/Kalrez
2	O-Ring	EPR/Viton/Aflas/Kalrez	12	Gland	316SS/Stainless Steel	22	Clamp Ring	316SS/Stainless Steel
3	Inboard Rotary Face	SSIC/TC	13	Snap Ring	316SS/Stainless Steel	23	Circlip	316SS/Stainless Steel
4	O-Ring	EPR/Viton/Aflas/Kalrez	14	Spring Plate	316SS/Stainless Steel	24	Spring	Alloy 276
5	Inboard Stationary Face	Carbon/SSIC/TC	15	Pin	316SS/Stainless Steel	25	Drive Screw	316SS/Stainless Steel
6	O-Ring	EPR/Viton/Aflas/Kalrez	16	Pump Ring	316SS/Stainless Steel	26	Gasket	AFT
7	Deflector	316SS/Stainless Steel	17	O-Ring	EPR/Viton/Aflas/Kalrez	27	Setting Clip	Brass
8	Gland Insert	316SS/Stainless Steel	18	Outboard Rotary Face	SSIC/TC	28	Clip Screw	316SS/Stainless Steel
9	O-Ring	EPR/Viton/Aflas/Kalrez	19	O-Ring	EPR/Viton/Aflas/Kalrez	29	Circlip	316SS/Stainless Steel
10	Drive Ring	316SS/Stainless Steel	20	Outboard Stationary Face	Carbon/SSIC/TC	30	Spring	Alloy 276



M100

Metal Bellows



- Single rotary bellows component seal.
- Hydraulically balanced seal faces for the product, when mated with a suitable stationary.
- Bi-directional rotation.
- Short internal working length.

- Temperature: -20°C~ +210°C
- Pressure: 0~ 20 Bar
- Speed: Up to 20m/s
- Sealing Product: Acid, Alkaline, Low percentage of pulp water, oil, other similar media

Description	Material
Seal Faces	Carbon/SSIC/TC
Rubber	EPR/Nitril/Aflas/Kalrez
Bellows	AM350/Alloy 276/ Alloy 718
Holder	316SS/Alloy 42/Alloy 276
End Fittings	316SS/Alloy 276

A/Shaft Size (mm)	B	H
18.00	27.50	32.00
20.00	27.50	33.32
22.00	27.50	36.00
24.00	30.00	38.10
25.00	30.00	39.00
28.00	32.50	42.00
30.00	32.50	44.00
32.00	32.50	46.02
33.00	32.50	47.00
35.00	32.50	49.20
38.00	34.00	52.37
40.00	34.00	55.55
43.00	34.00	58.72
45.00	34.00	58.72
48.00	34.00	61.90
50.00	34.50	65.07
53.00	34.50	68.25
55.00	34.50	71.00
58.00	39.50	74.60
60.00	39.50	74.60
63.00	39.50	80.95
65.00	39.50	84.12
68.00	37.50	87.30
70.00	45.00	87.30
75.00	45.00	95.25

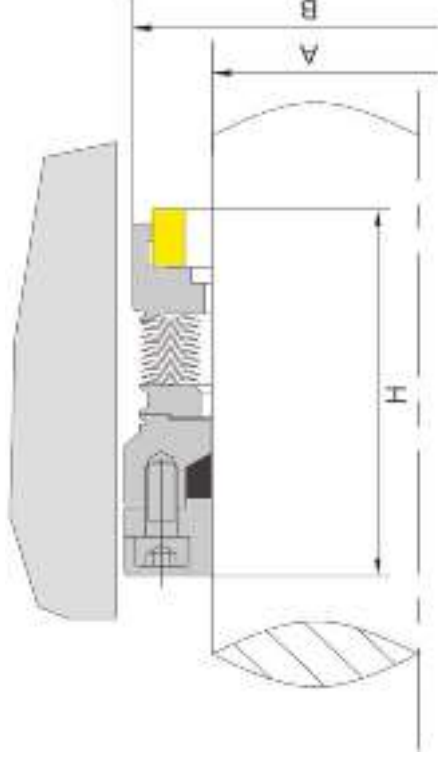


- Single rotary bellows component seal.
- Hydraulically balanced seal faces for the product , when mated with a suitable stationary.
- Bi-directional rotation.
- Short internal working length.

- Temperature: -40°C~ +350°C
- Pressure: 0~ 20 Bar
- Speed: Up to 20m/s
- Sealing Product: Acid, Alkaline, Low percentage of pulp water, oil, other similar media

M200

Metal Bellows



Description	Material
Seal Faces	Carbon/SSIC/TC
Sec. Seal	Carbon Graphit
Bellows	AM350/Alloy 276/ Alloy 718
Holder	316SS/Alloy 42/Alloy 276
End Fittings	316SS/Alloy 276

A/Shaft Size (mm)	B	H
18.00	27.50	32.00
20.00	27.50	33.32
22.00	27.50	36.00
24.00	30.00	38.10
25.00	30.00	39.00
28.00	32.50	42.00
30.00	32.50	44.00
32.00	32.50	46.02
33.00	32.50	47.00
35.00	32.50	49.20
38.00	34.00	52.37
40.00	34.00	55.55
43.00	34.00	58.72
45.00	34.00	58.72
48.00	34.00	61.90
50.00	34.50	65.07
53.00	34.50	68.25
55.00	34.50	71.00
58.00	39.50	74.60
60.00	39.50	74.60
63.00	39.50	80.95
65.00	39.50	84.12
68.00	37.50	87.30
70.00	45.00	87.30
75.00	45.00	95.25

API Series

- **ASTL (1CW-FL) API 682 Type A Arrangement 1
Single Seal**
- **ADTN (2CW-CW) API 682 Type A Arrangement
2 Dual Unpressurized Cartridge Seal**
- **ADTB (3CW-FB) API 682 Type A Arrangement
3 Dual Pressurized Cartridge Seal**

API (The American Petroleum Institute) created the API 682 standard for mechanical seals and sealing systems based on the accumulated knowledge and experience of manufacturers and users of equipment in the hydrocarbon and petrochemical industry. The standard Glands all major aspects of mechanical seal and system design, qualification testing and application and ensures seals sold into the market as API 682 compliant meet the demanding requirements of the API environment. To meet the needs of API 682 standard, FBU created the A line of Cartridge API 682 seals. The A line uses modular design to maximize interchangeability, allowing single and dual seals in a variety of configurations. All the API seals are tested rigorously for their reliability.

ASTL (1CW-FL)

API 682 Type A Arrangement 1 Single Seal

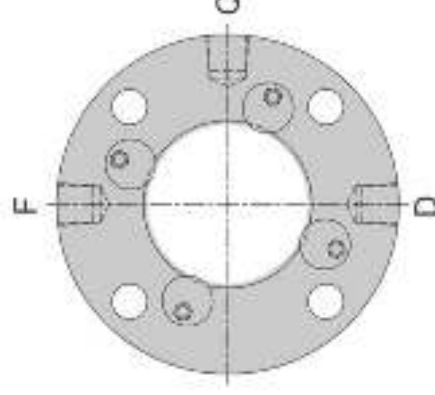
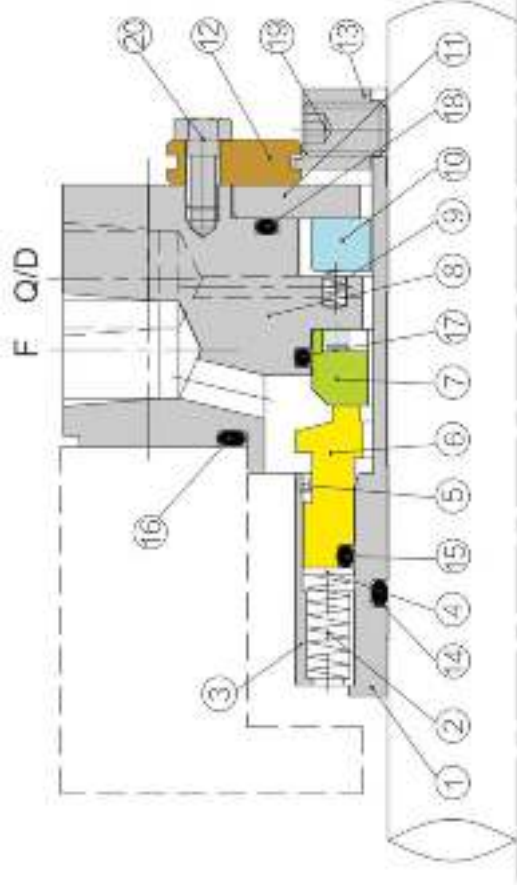


- Single rotary pusher seal design.
- Monolithic seal faces.
- Hydraulically balanced seal faces.
- Low Emission Optimized face design.
- Quench and drain environmental ports

- Temperature: -40°C~ +220°C
- Pressure: 0~ 40 Bar
- Speed: Up to 20m/s

Pressurized contact balanced double end face assembly seal, to the greatest extent to suppress high-risk fluid and gas leakage outside. The medium will not leak to the outside world under the containment of buffer 53 and 54. Often used in light hydrocarbons, aromatic hydrocarbons, acetic acid and other flammable and explosive media.

No	Description	Material
1	Sleeve	316SS
2	Springs	Alloy 276
3	Rotary Hold	316SS
4	Push Ring	316SS
5	Clamp Ring	316SS
6	Rotary Face	Carbon/SSIC
7	Stationary Face	SSIC/TC
8	Gland	316SS
9	Springs	316SS
10	Bush Ring	Carbon
11	Retaining Ring	316SS
12	Clips	316SS
13	Setting Ring	316SS
14	O-Ring	EPR/Viton/Aflaz/Kalrez
15	O-Ring	EPR/Viton/Aflaz/Kalrez
16	O-Ring	EPR/Viton/Aflaz/Kalrez
17	O-Ring	EPR/Viton/Aflaz/Kalrez
18	O-Ring	EPR/Viton/Aflaz/Kalrez
19	Drive Screw	Alloy 276
20	Clips Screw	316SS



ADTN (2CW-CW)

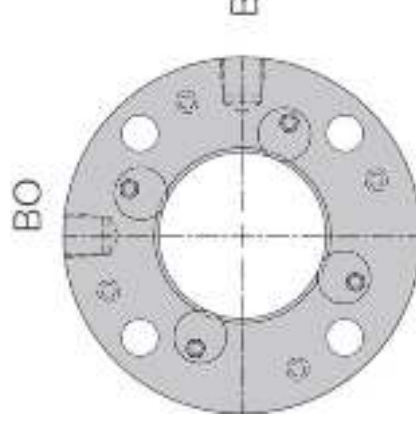
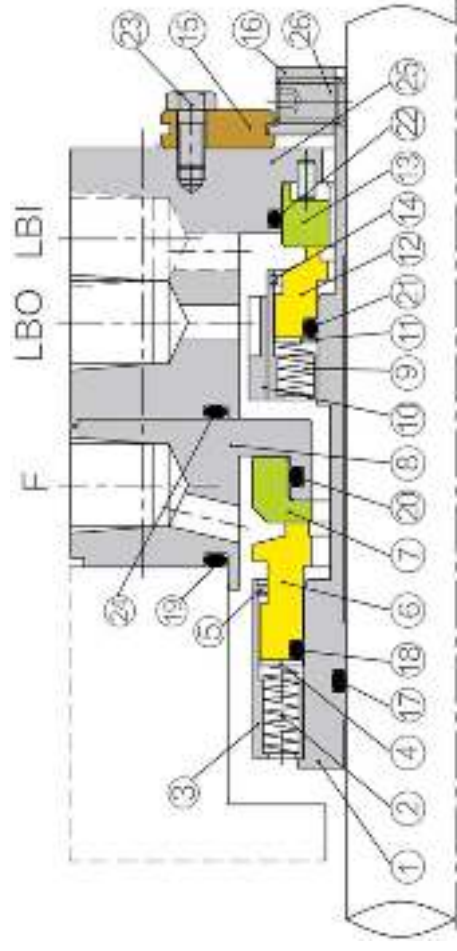
API 682 Type A Arrangement 2 Dual Unpressurized Cartridge Seal



- Rotary Dual seal design.
- Monolithic inboard and outboard seal faces.
- Double balanced inboard seal faces.
- Buffer fluid in and out ports available
- Low Emission Optimized face design

- Temperature: -40°C~ +220°C
- Pressure: 0~ 40 Bar
- Speed: Up to 20m/s

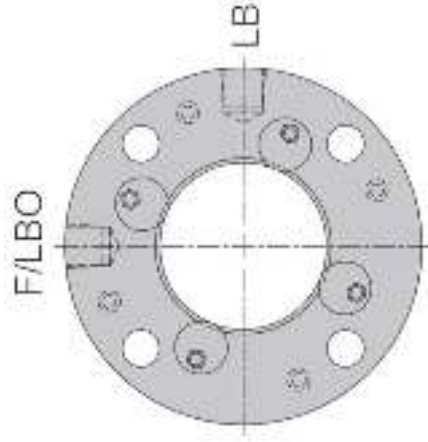
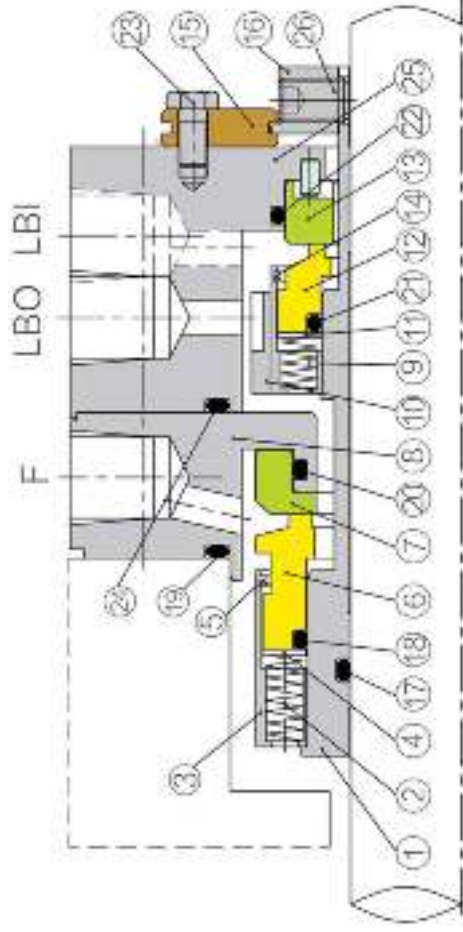
Non pressure contact balanced double end face assembly seal, suitable for flammable and explosive media. ADTN is used in the design of the inside machine seal, and the outside machine seal is combined with plan 52 to provide additional inhibitory sealing effect. Mainly suitable for light hydrocarbon, aromatic hydrocarbon, acetic acid and other medium conditions.



No	Description	Material
1	Sleeve	316SS
2	Inboard Springs	Alloy 276
3	Inboard Rotary Holder	316SS
4	Inboard Retaining Ring	316SS
5	Inboard Clamp Ring	316SS
6	Inboard Rotary Face	Carbon/SSIC
7	Inboard Stationary Face	SSIC/TC
8	Gland	316SS
9	Outboard Springs	Alloy 276
10	Outboard Rotary Hold	316SS
11	Outboard Retaining Ring	316SS
12	Outboard Rotary Face	Carbon
13	Outboard Stationary	SSIC/TC
14	Outboard Clamp Ring	316SS
15	Clips	316SS
16	Setting Ring	316SS
17	O-Ring	EPR/Viton/Aflaz/Kalr
18	O-Ring	EPR/Viton/Aflaz/Kalr
19	O-Ring	EPR/Viton/Aflaz/Kalr
20	O-Ring	EPR/Viton/Aflaz/Kalr
21	O-Ring	EPR/Viton/Aflaz/Kalr
22	O-Ring	EPR/Viton/Aflaz/Kalr
23	Setting Screw	316SS
24	O-Ring	EPR/Viton/Aflaz/Kalr
25	Insert Gland	316SS
26	Drive Screw	Alloy 276

ADTB (3CW-FB)

API 682 Type A Arrangement 3 Dual Pressurized Cartridge Seal



- Rotary Dual seal design.
- Monolithic inboard and outboard seal faces.
- Double balanced inboard seal faces.
- Barrier fluid in and out ports available
- Low Emission Optimized face design
- Reverse Pressure Hydraulically
- Balanced Mating Ring.
- Tangential Outlet Barrier Fluid Connections.

- Temperature: -40°C~ +260°C
- Pressure: 0~ 40 Bar
- Speed: Up to 20m/s

Pressurized contact balanced double end face assembly seal to the greatest extent to suppress high risk fluid and gas leakage outside. The medium will not leak to the outside world under the containment of buffer 53 and 54. Often used in light hydrocarbons, aromatic hydrocarbons, acetic acid and other flammable and explosive media.

No	Description	Material
1	Sleeve	316SS
2	Inboard Springs	Alloy 276
3	Inboard Rotary Holder	316SS
4	Inboard Retaining Ring	316SS
5	Inboard Clamp Ring	316SS
6	Inboard Rotary Face	Carbon/SSIC
7	Inboard Stationary Face	SSIC/TC
8	Gland	316SS
9	Outboard Springs	Alloy 276
10	Outboard Rotary Hold	316SS
11	Outboard Retaining Ring	316SS
12	Outboard Rotary Face	Carbon
13	Outboard Stationary	SSIC/TC
14	Outboard Clamp Ring	316SS
15	Clips	316SS
16	Setting Ring	316SS
17	O-Ring	EPR/Viton/Aflaz/Kalr
18	O-Ring	EPR/Viton/Aflaz/Kalr
19	O-Ring	EPR/Viton/Aflaz/Kalr
20	O-Ring	EPR/Viton/Aflaz/Kalr
21	O-Ring	EPR/Viton/Aflaz/Kalr
22	O-Ring	EPR/Viton/Aflaz/Kalr
23	Setting Screw	316SS
24	O-Ring	EPR/Viton/Aflaz/Kalr
25	Insert Gland	316SS
26	Drive Screw	Alloy 276

Bearing Isolators

■ What is bearing isolators?

Auxiliary bearing isolators is a bearing seal protection device that never wears shaft. It can not only prevent lubricating oil leakage, but also prevent water, dust and other pollutants from entering auxiliary bearing box and gear box to pollute lubricating oil, so as to protect bearings.

■ Advantages of bearing isolators over traditional Oil seal

- ✓ Never grinding shaft ✓ long life ✓ Waterproof, dustproof and oil leakage
- ✓ Cost-effective, low cost

Category	life	Efficiency	Cost	Maintenance time	Energy consumption	Shaft cost
Oil seal	3000 h	Oil proof	High	long	Large	High
Bearing Isolators	3 years	Oil proof, pollution proof	Low	Short	Tiny	None
Advantage/Compared to Oil seal	6-10 times design life	Prolong life by 3-6 times	Save about 70%	Save about 80%	Save about 90%	Save 100%

■ Non-grinding shaft and low energy consumption bearing isolators have a very broad application prospect in industrial equipment

According to relevant literature estimates, the net energy savings achieved by using bearing isolators in the United States is approximately 5,586 megawatts per

Assuming that all 38 million contact lip seals in use in the United States were replaced with non-wear, low-energy bearing isolators, the net energy savings would be approximately 558 megawatts per year, equivalent to the annual consumption of 10 coal-fired power plants

■ The non-wear and low energy consumption bearing protector designed for industrial rotary equipment is an important factor to save energy consumption and reduce cost

The upgrade from a traditional contact lip seal widely used in industrial rotary equipment to a non-grinding shaft bearing protector has reduced electricity costs by billions of dollars annually in the United States.

The lip oil seal will fail after running for about 2000 hours (about 2.7 months) and will lose contact with the rotating shaft. The lip oil seal must be replaced, otherwise the equipment will continue to operate until the bearing is contaminated or the oil quantity is exhausted. It's like a car with a flat tire blowing up on its own.

Contact seals consume approximately 6000 watts of energy per year for normal operation. What is more serious is that the equipment runs for a long time, the work is overloaded, and the bearings lack adequate protection. The close gap between the calibrated pollution limit between the shaft and the terminal box is the only gap that can enter the bearing environment, which has a significant negative impact on manufacturing production and therefore lacks stability.



Type SX

Bearing Isolators

•API 610 requires this type of seal for chemical process pump bearing boxes

- Non-contact , zero friction , permanent bearing protection.
- Dynamic O-Ring design to prevent water vapor from entering the bearing box when the equipment is cooled.
- Zero maintenance.
- Zero power consumption.
- Temperature range for general design -37°C~20°C.
- Copper is the main material for fabrication . Stainless steel , aluminium alloy and PTFE can also be selected for extreme working conditions.

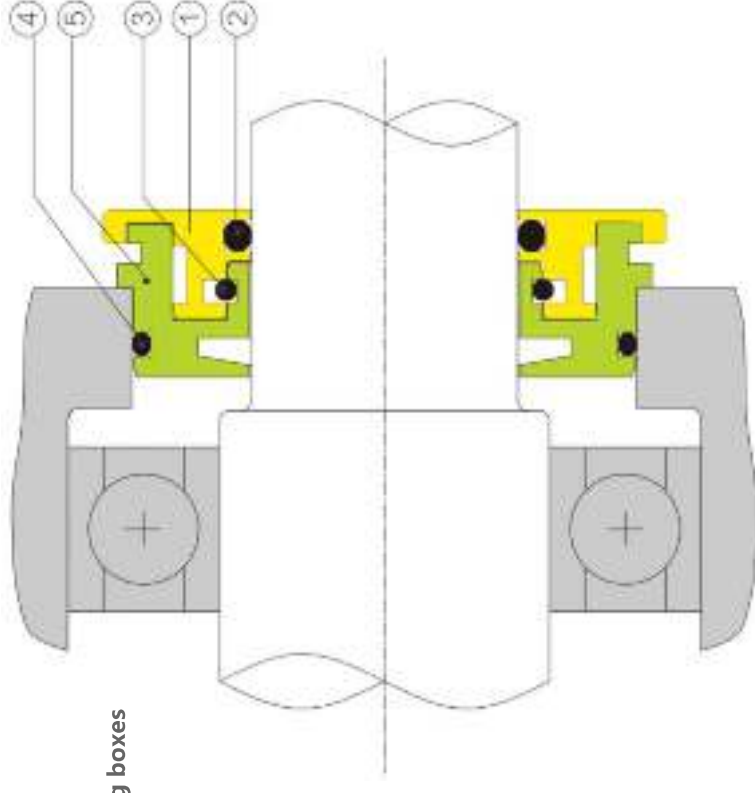
SX series products are applied to the running condition of horizontal equipment with the same linear speed of 20M/S of splash lubrication/grease lubrication; It is suitable for oil mist lubrication in accordance with API610 7th edition standard and a small amount of oil mist lubrication to prevent leakage to the atmospheric end.



Static



Dynamic

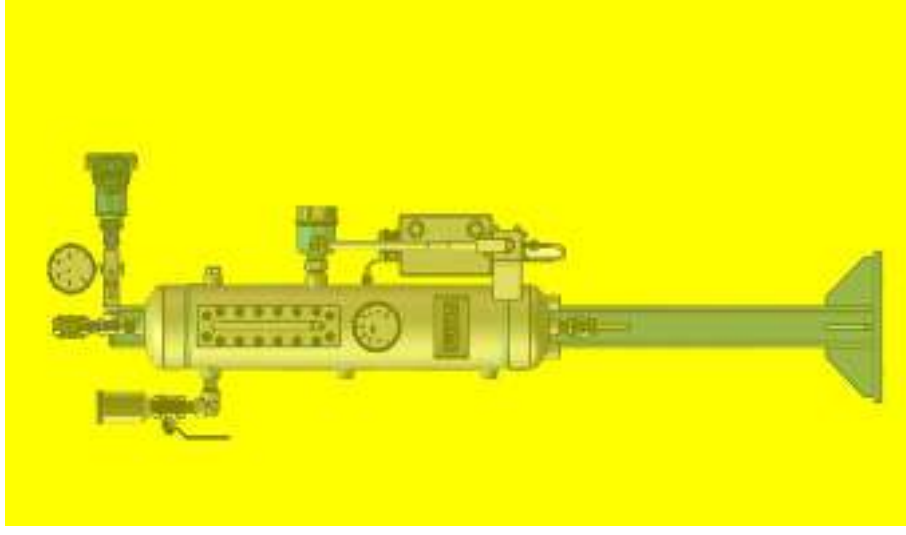
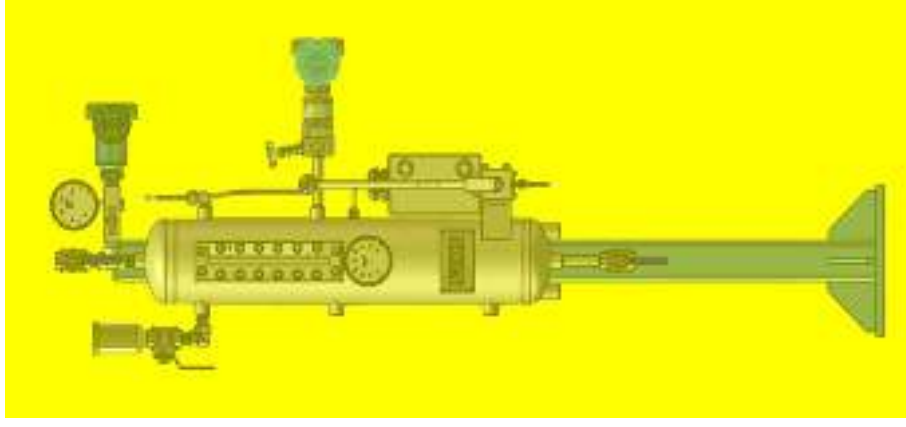
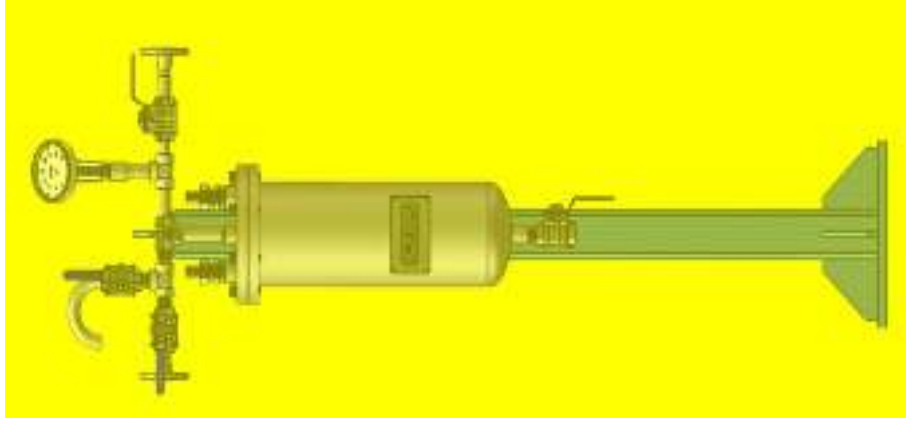


No	Description	Material
1	Rotary	Bronze
2	O-Ring	Viton
3	O-Ring	Viton
4	O-Ring	Viton
5	Star Housing	Bronze

Seal Support System



- ✓ Can effectively improve the working environment of mechanical seal by providing barrier fluid and taking away the friction heat of seal face in time.
- ✓ Monitor seal operation and alarm timely to remind the seal to stop for maintenance or replacement.



TYPE HS250

Heat exchanger

Application conditions

HS series heat exchanger is mainly used for conveying the temperature of more than 80°C above the medium, its role is to cool the medium after sending to the sealing chamber, so that the internal temperature of the sealing HS to 60°C or so (oil 80°C) to ensure that the sealing HS series heat exchanger is composed of shell, double snake tube, floor and so on.

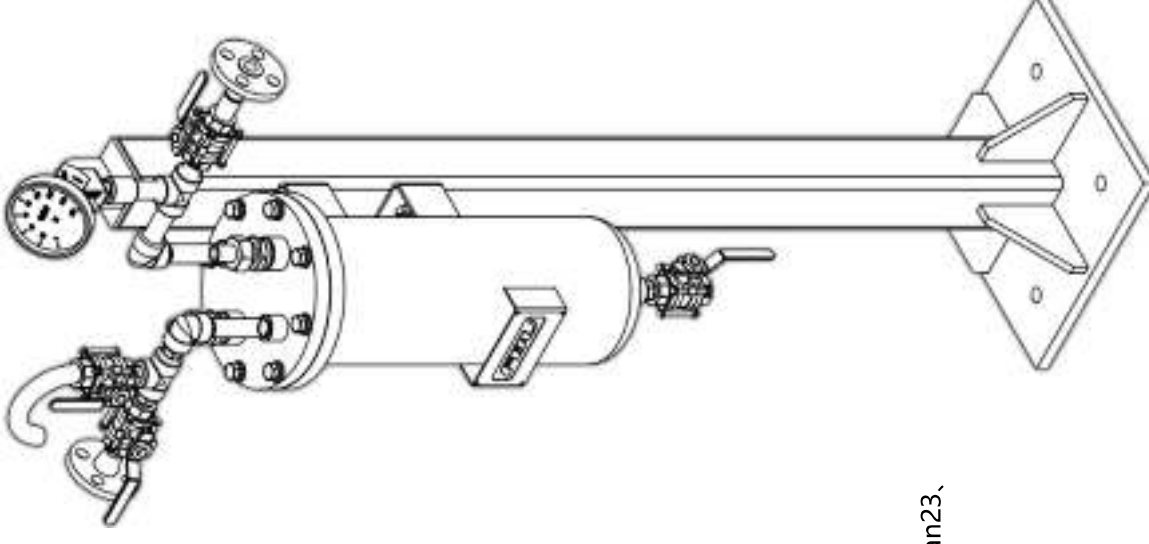
Key Features

- Fully comply with all relevant requirements of API682 version 2, meet the use of API loop needs
- Designed for elliptical head welding in accordance with ANSI Part VIII
- Class 800 exhaust and drainage valves
- Multiple globe and drain valves
- Thermometer

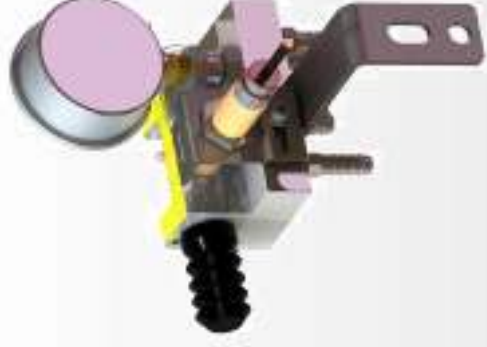
Materials

- Shell cover, shell: 316L
- Helix cooling pipe: 316L

Suitable for API 682 Plan21、Plan22、 Plan23、 Plan41



CYCLONE SEPARATOR



Flowmeter
GLS
GLD

Application conditions

- Oil refining, petroleum, chemical, pipeline transportation and other industries
- For storage, pressure retention and cooling of buffer or spacer in sealed circulation loop, PLAN52 and PLAN53

Key Features

- Fully comply with all relevant requirements of API682 version 2, meet the use of API loop needs
- Designed for elliptical head welding in accordance with ANSI Part VIII
- Windows with liquid level monitoring
- Class 800 exhaust and drainage valves
- Multiple globe and drain valves
- With Helix cooling pipe
- Manometer
- Pressure switch
- Liquid level switch



Optional configuration

- Pressure sensor
- Liquid level transmitter
- Flanged joint

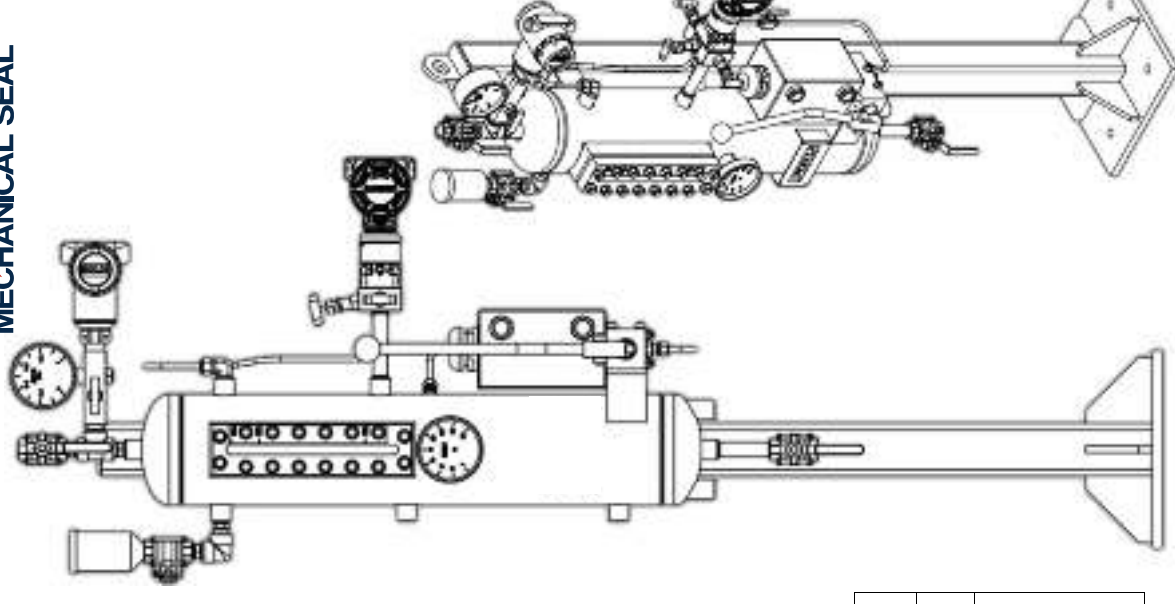
TYPE GS600

Materials

- Shell cover, shell : 316L
- Helix cooling pipe : 316

1. Rc3/4(BI) Buffer fluid IN Rc3/4(BI)
2. Rc3/4(BO) Buffer fluid OUT Rc3/4(BO)
3. Rc3/4(CI) Cooling water IN Rc3/4(CI)
4. Rc3/4(CO) Cooling water OUT Rc3/4(CO)
5. Rc3/4 Filling connection with plug Rc3/4
6. Rc3/4 Pressure gas connection Rc3/4
7. Rc3/4(LSH) Level switch Max Rc3/4 8.
8. Rc3/4(LSL) Level switch Min Rc3/4
9. Rp3/4 Drain Rp3/4

Type	Specification		
	Dimension	Pressure	Operating temperature
01	12L	50Bar	-60°C to +200°C (-76°F to +392°F)
02	20L		
03	28L		





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