



PT. Fluindo Technology Indonesia



INDUSTRIAL PRODUCTS AND SERVICES

Company Background

PT Fluindo Technology Indonesia established in Jakarta on May 2006.

Our main business are Rotating Equipment, Valve, Sealing Device and Heat Exchanger for Pulp and Paper, Chemical, Mining, Oil and Gas, Power Plant, Food Factory and General Industry.

We offer high quality products to our customers, so that to save production costs.

Vision & Mission Statement



Vision

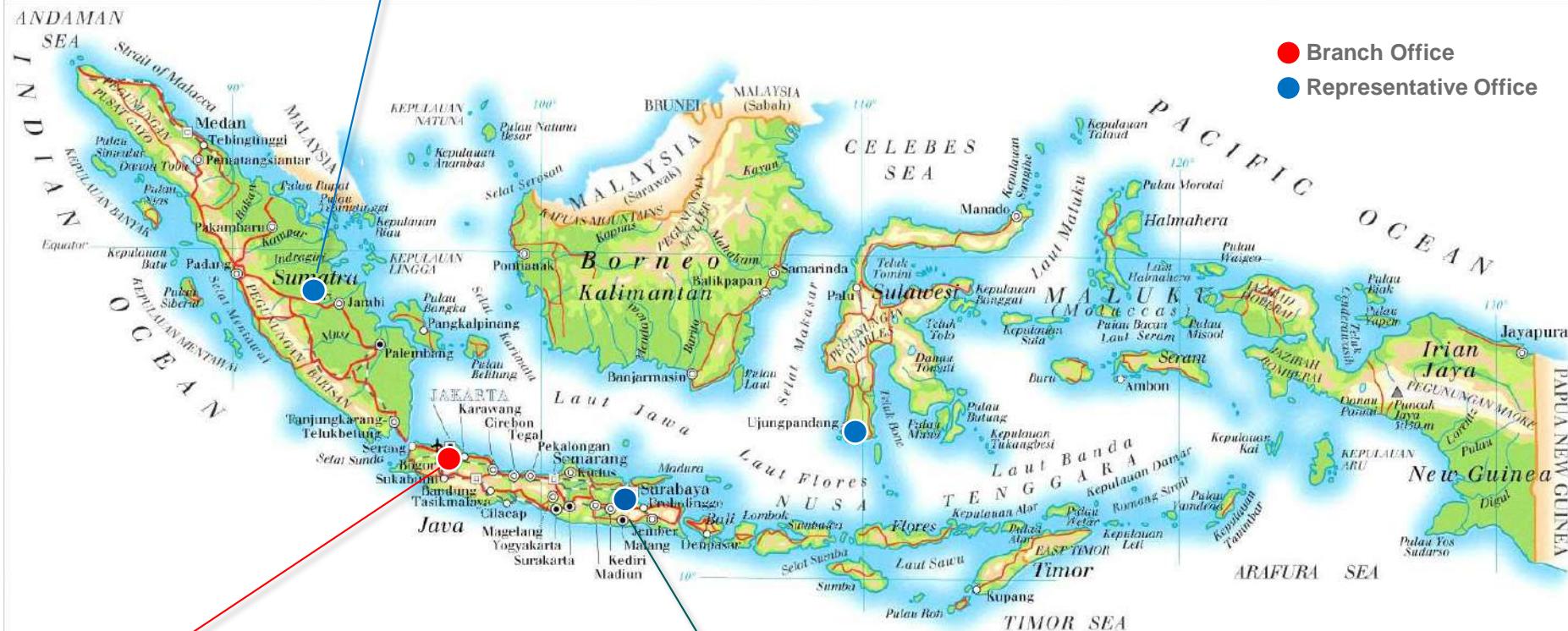
As a leader company in supplying all premium product in order to strategic Industrials in this Country

Mission

- Providing our clients customized sustainable solutions and services for plant efficiency, cost reduction and continuous improvement**

Our Sales Representative

Sumatera Island



PT. FLUINDO TECHNOLOGY
INDONESIA
(Jakarta & West Java)

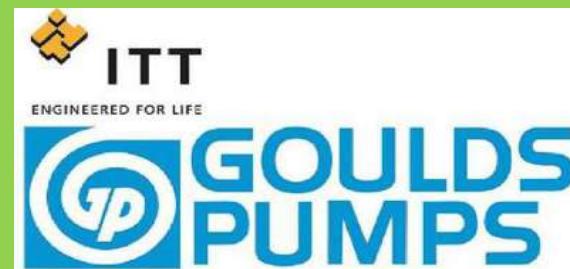
Surabaya (East Java and Central Java)

Market Segments

- Palm Oil
- Sugar
- Pulp & Paper
- Oil & Gas
- Chemical
- Pharmaceutical
- Mining
- Power Plant
- General Industry



Our Principals



ITT Engineered Valve

ITT Valve (Dia Flo)



ITT Valve (Pure Flo)



ITT Engineered Valve

ITT Valve (F-37)



ITT Valve (F-33PTA)



ITT Goulds Pumps

ITT Goulds Pumps



ITT Goulds Pumps

Goulds Pumps 3196



Goulds Pumps 3796



Xylem Pumps



Xylem Pumps

Xylem Submersible Pumps



ALFA LAVAL

ALFA LAVAL PHE



ALFA LAVAL Decanter



ALFA LAVAL

ALFA LAVAL SEPARATOR



Cartridge Seals

ANSI FLEX ARB3 (STANDARD) & ABRB3 (BIG BORE)

Materials of Construction

Rotating Seal Face: Carbon, Tungsten carbide, Sintered silicon carbide

Stationary Seal Face: Sintered silicon carbide

Bellows: Hastelloy® C276

Metallurgy: 316 SS

Elastomers: Viton®, Ethylene propylene, Aflas®, Buna, Neoprene, Perfluorelastomer

Gland Gasket: Glass-filled Teflon™

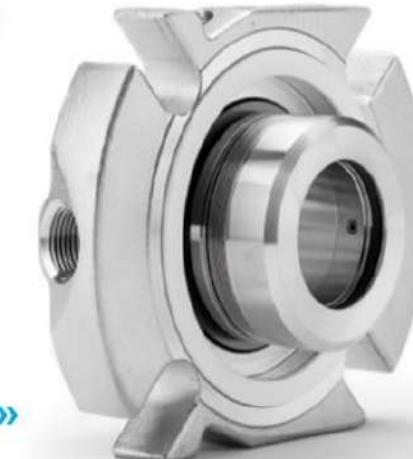
Throttle Bushing: Glass-filled Teflon™

Operating Parameters

Temperature: 400° F (200°C)

Pressure: 300 PSI (20 Bar)

Speed: 4500 FPM



Cartridge Seals

ANSI FLEX ASMS3 (STANDARD) & ABSMS3 (BIG BORE)

Materials of Construction

Rotating Seal Face: Sintered silicon carbide

Stationary Seal Face: Carbon, Sintered silicon carbide

Springs: Hastelloy® C276

Metallurgy: 316 SS

Elastomers: Viton®, Ethylene propylene, Aflas®, Buna, Neoprene, Perfluorelastomer

Gland Gasket: Glass-filled Teflon™

Throttle Bushing: Glass-filled Teflon™

Operating Parameters

Temperature: 400° F (200°C)

Pressure: 300 PSI (20 Bar)

Speed: 6000 FPM



« ASMS3



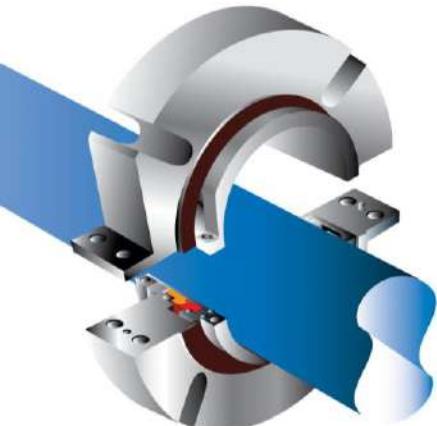
ABSMS3 »

* Maximum temperature/speed/pressure/runout indicates operating extremes independently and does not imply the seal will function at these extremes at the same time.

Split Seals

THE FIRST TRUE SPLIT CARTRIDGE MECHANICAL SEAL

No Measurements
No Shims
No Special Tools
No Glue

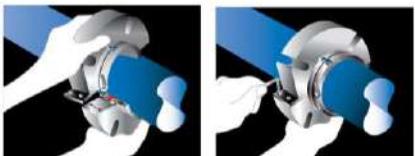


Flex-A-Seal developed the Style 85 Split Cartridge

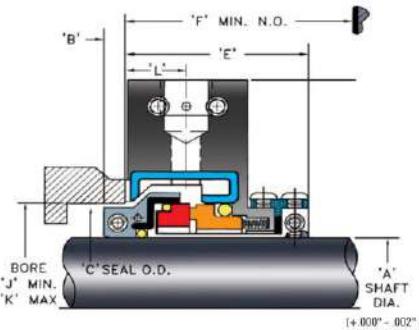
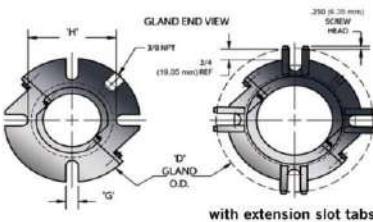
Mechanical Seal to provide the easiest installation found anywhere in the world. After simply attaching two halves over the shaft, the seal mounts to the equipment like any other cartridge mechanical seal. It doesn't get any easier than that!

The Style 85 is the first split cartridge mechanical seal in the world in which just two pieces are handled, eliminating the need to touch sensitive lapped faces. Both sealing faces are secured safely in cartridge halves and cannot be cocked, chipped or damaged. The design of the Style 85 is like no other split mechanical seal on the market: it is engineered as a true, fully split cartridge mechanical seal. The hydraulically-balanced design and stationary multi-spring feature enable centrifugal force to keep the solids away from the seal faces while maintaining the ability to handle higher speeds, pressures and misalignment.

No need to worry about solids, as the springs are protected and out of the product to eliminate clogging. The static shaft sleeve O-ring is positioned outside of the stuffing box to assure a good sealing surface, even on worn packing sleeves! The Style 85 is the first split cartridge mechanical seal that can be fully assembled and pressure tested at the factory. This process ensures the sealing integrity of each seal before it is sent to the field.



For more information on
our Style 85, visit
flexaseal.com



Materials of Construction

Stationary Gland Assembly	316 Stainless Steel
Rotating Sleeve Assembly	316 Stainless Steel
O-Rings, Gaskets	Viton® (standard) consult factory for AFLAS® or Fluorocarbon® option
Rotating Face	Silicon Carbide
Stationary Face	Carbon or Silicon Carbide
Springs	Hastelloy C69
Screws	316 Stainless Steel

Additional materials available upon request

Operating Conditions

Seal Size	Temp.	Speed	Pressure
1/4" - 3/4" (45mm - 75mm)	350°F (75°C)	3600 RPM	250 PSI (17 bar)
3/4" - 3/4" (75mm - 75mm)	350°F (75°C)	1800 RPM	200 PSI (14 bar)
3/4" - 4" (100mm - 100mm)	350°F (75°C)	1800 RPM	150 PSI (10 bar)
5" x (125mm +)	350°F (75°C)	875 RPM	100 PSI (7 bar)

* Maximum temperature / pressure / speed indicates operating extremes independently and does not imply the seal will function at these extremes at the same time. Contact Flex-A-Seal Engineering to review specific operating conditions.

Metric (all sizes in mm)

L	E	C	H	K	L
45	6.35	65.0	140	54.0	4.0
48	6.35	68.2	140	54.0	4.0
50	6.35	69.2	140	54.0	4.0
55	6.35	71.8	140	54.0	4.0
60	6.35	81.0	165	54.0	4.0
62	6.35	81.0	165	54.0	4.0
65	6.35	85.0	165	54.0	4.0
68	6.35	90.5	165	54.0	4.0
70	6.35	90.5	197	54.0	4.0
71	6.35	96.8	193	54.0	4.0
75	6.35	98.8	203	54.0	4.0
80	7.14	106.4	216	62.0	7.0
87	7.14	112.7	216	62.0	7.0
90	7.14	115.9	216	62.0	7.0
95	7.14	117.5	222	62.0	7.0
100	7.14	124.4	224	62.0	7.0
106	7.14	135.0	235	62.0	7.0
115	7.14	160.3	248	62.0	7.0
120	7.14	143.7	248	62.0	7.0
125	9.5	157.2	273	77.8	9.8
140	9.5	169.9	292	78.0	9.7
145	9.5	176.2	303	77.8	9.8
150	9.5	182.6	311	77.8	9.8
155	9.5	195.1	311	77.8	9.8
180	9.5	234.3	343	82.6	10.1
219	9.5	250.8	432	82.6	10.1

* Sizes use extension slot tabs

Imperial (all sizes in inches)

SIZE	A	B	C	D	E	F	G	H	I	K	L
-23	1.437	.250	2.187	5.25	2.125	2.560	.562	3.125	2.250	2.825	.556
-24	1.500	.250	2.312	5.25	2.125	2.560	.562	3.125	2.250	2.825	.556
-25	1.675	.250	2.312	5.25	2.125	2.560	.562	3.250	2.275	2.750	.556
-27	1.687	.250	2.437	5.50	2.125	2.900	.562	3.275	2.500	2.875	.556
-28	1.750	.250	2.437	5.50	2.125	2.900	.562	3.375	2.500	2.875	.556
-30	1.875	.250	2.562	5.50	2.125	2.900	.562	3.344	2.625	3.000	.600
-31	1.937	.250	2.625	5.44	2.125	2.900	.562	3.563	2.687	3.125	.556
-32	2.000	.250	2.687	5.44	2.125	2.900	.562	3.563	2.750	3.125	.556
-33	2.052	.250	2.812	6.00	2.125	2.900	.687	3.687	2.875	3.275	.556
-34	2.175	.250	2.812	6.00	2.125	2.900	.687	3.688	2.875	3.375	.556
-35	2.188	.250	2.937	6.25	2.125	2.900	.687	3.813	3.000	3.475	.556
-36	2.250	.250	3.062	6.25	2.125	2.900	.687	3.937	3.125	3.500	.556
-38	2.375	.250	3.186	6.25	2.125	2.900	.687	4.062	3.250	3.600	.556
-39	2.438	.250	3.186	6.43	2.125	2.900	.687	4.125	3.375	3.625	.556
-40	2.500	.250	3.186	6.44	2.125	2.900	.687	4.125	3.375	3.625	.556
-42	2.625	.250	3.347	6.44	2.125	2.900	.687	4.438	3.500	3.875	.556
-43	2.688	.250	3.562	6.44	2.125	2.900	.687	4.635	3.625	4.125	.556
-44	2.750	.250	3.562	7.02	2.125	2.900	.687	4.438	3.625	4.125	.556
-46	2.875	.250	3.687	7.02	2.125	2.900	.687	4.812	3.812	4.250	.556
-47	2.938	.250	3.812	7.08	2.125	2.900	.687	4.938	3.937	4.375	.556
-48	3.000	.250	3.812	7.08	2.125	2.900	.687	4.937	3.937	4.375	.556
-52	3.250	.281	4.188	8.25	2.437	2.812	.812	5.188	4.250	4.750	.812
-54	3.375	.281	4.312	8.25	2.437	2.812	.812	5.275	4.475	4.875	.812
-55	3.438	.281	4.457	8.50	2.437	2.812	.812	5.437	4.500	5.000	.812
-56	3.500	.281	4.587	8.50	2.437	2.812	.812	5.500	4.500	5.000	.812
-58	3.750	.281	4.662	8.63	2.437	2.812	.812	5.662	4.625	5.125	.812
-60	3.750	.281	4.695	8.62	2.437	2.812	.812	5.698	4.675	5.175	.812
-62	3.875	.281	4.812	8.82	2.437	2.812	.812	5.813	4.875	5.250	.812
-64	4.000	.281	4.937	8.82	2.437	2.812	.812	5.913	5.000	5.375	.812
-66	4.250	.281	5.186	9.25	2.437	2.812	.812	6.062	5.250	5.375	.812
-70	4.375	.281	5.312	9.25	2.437	2.812	.812	6.437	5.375	5.475	.812
-72	4.500	.281	5.406	9.69	2.437	2.812	.812	6.500	5.500	6.600	.812
-74	4.625	.281	5.531	9.69	2.437	2.812	.812	6.612	5.625	6.125	.812
-76	4.750	.281	5.656	9.75	2.437	2.812	.812	6.538	5.750	6.250	.812
-79	4.918	.375	6.186	10.79	1.062	3.812	.937	7.312	6.312	6.750	.923
-80	5.008	.375	6.186	10.79	1.062	3.812	.937	7.312	6.312	6.750	.923
-82	5.125	.375	6.375	11.00	1.062	3.812	.937	7.812	6.500	6.250	.923
-84	5.250	.375	6.375	11.00	1.062	3.812	.937	7.812	6.500	6.250	.923
-88	5.500	.375	6.686	11.50	1.062	3.812	.937	7.813	6.812	7.375	.923
-92	5.732	.375	6.938	12.00	1.062	3.812	.937	8.156	7.062	7.829	.923
-96	6.000	.375	7.188	12.25	1.062	3.812	.937	8.437	7.312	7.875	.923
-100	6.250	.375	7.438	12.30	1.062	3.812	.937	8.656	7.562	8.125	.923
-104	6.500	.375	7.688	12.25	1.062	3.812	.937	8.712	8.375	9.25	.923
-108	6.750	.375	7.938	12.50	1.062	3.812	.937	9.012	8.625	8.875	.923
-112	7.000	.375	8.186	12.75	1.259	4.060	.937	9.362	8.125	8.750	.923
-116	8.500	.375	9.686	14.25	1.259	4.060	1.000	11.000	9.812	10.000	.923
-140	8.500	.375	9.875	17.00	3.250	4.060	1.250	11.825	10.000	10.625	.923
-144	9.000	.375	10.125	17.88	3.250	4.060	1.250	11.000	10.875	10.250	.923

Additional sizes available upon request

AIGI Environmental

AIGI Environmental Gasket Tank to Tank Solution



AIGI Environmental



AIGI ENVIRONMENTAL INC.





Gasket Catalogue



● Non Metallic Gasket Sheets

Compressed Fiber Gasket Sheets



Graphite & Reinforced Graphite Gasket Sheets



PTFE & Reinforced PTFE Gasket Sheets



Tape Gaskets



● Metal & Semi Metallic Gaskets

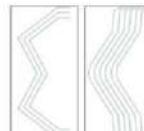
Fishbone™ Gaskets



Ring Joint Gaskets



SS & SU Patented & Improved Spiral Wound Gaskets



Kammprofile Gaskets



Mechanical Seals



Split Rotary Seals

AIGI®



SPLIT ROTARY SEALS

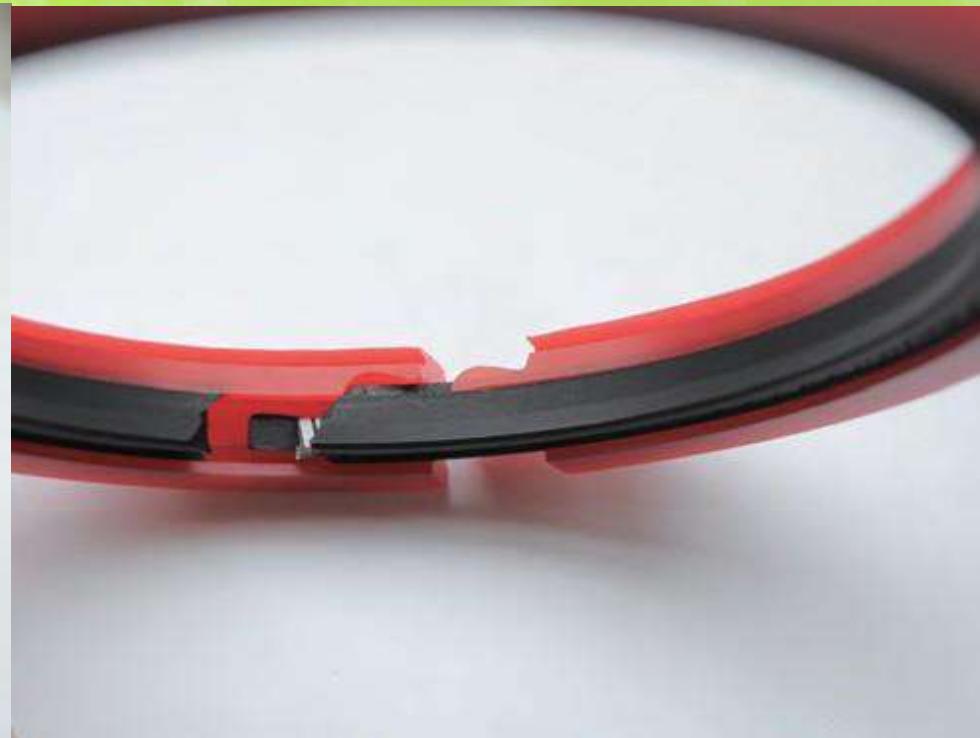


For Large Diameter

- **Bearings**
- **Gearboxes**
- **Fans**
- **Motors**



Split Rotary Seals



Split Rotary Seals Installation



Gland Packing

* Internationally Patented Design *



The king of packing lives in a Castle™

Aramid / PTFE



PTFE / Graphite



PTFE Chemical



Carbon / Graphite



Synthetic Fiber



Metal Gasket

THE FUTURE OF HIGH PERFORMANCE SEALING HAS ARRIVED

FISHBONE™



Centering Ring Construction

ENVIRONMENTAL FISHBONE™ GASKETS



PATENTED ALL RIGHTS RESERVED



Metal Gasket

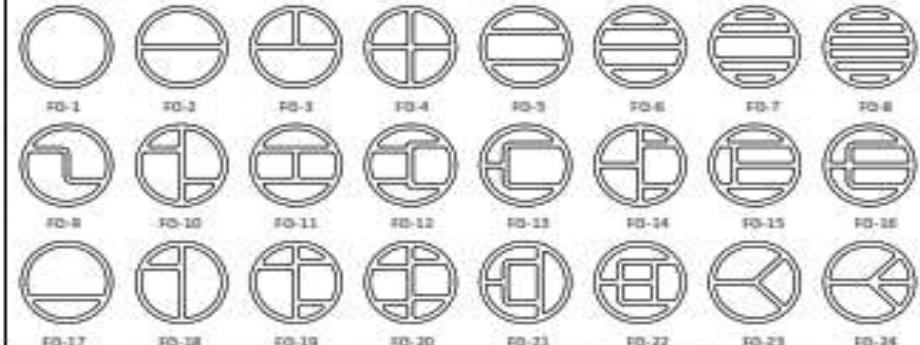


AIGI ENVIRONMENTAL INC.
A Division of AIGI Group • Plastic Components

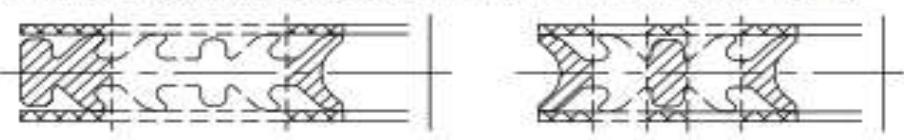
<http://gasket.aigindustries.com.cn>

Heat Exchanger Fishbone™ Gaskets Quotation Form

Heat Exchanger Fishbone Gaskets Configuration Styles (please provide the drawings if other styles applicable)

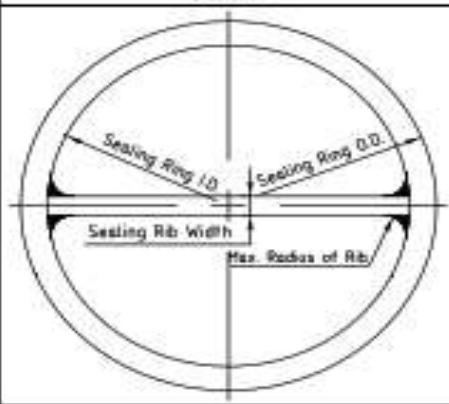


Heat Exchanger Fishbone Gaskets Sealing Cross Section (The number of fishbone will be determined by sealing width.)



Profile A

Profile B



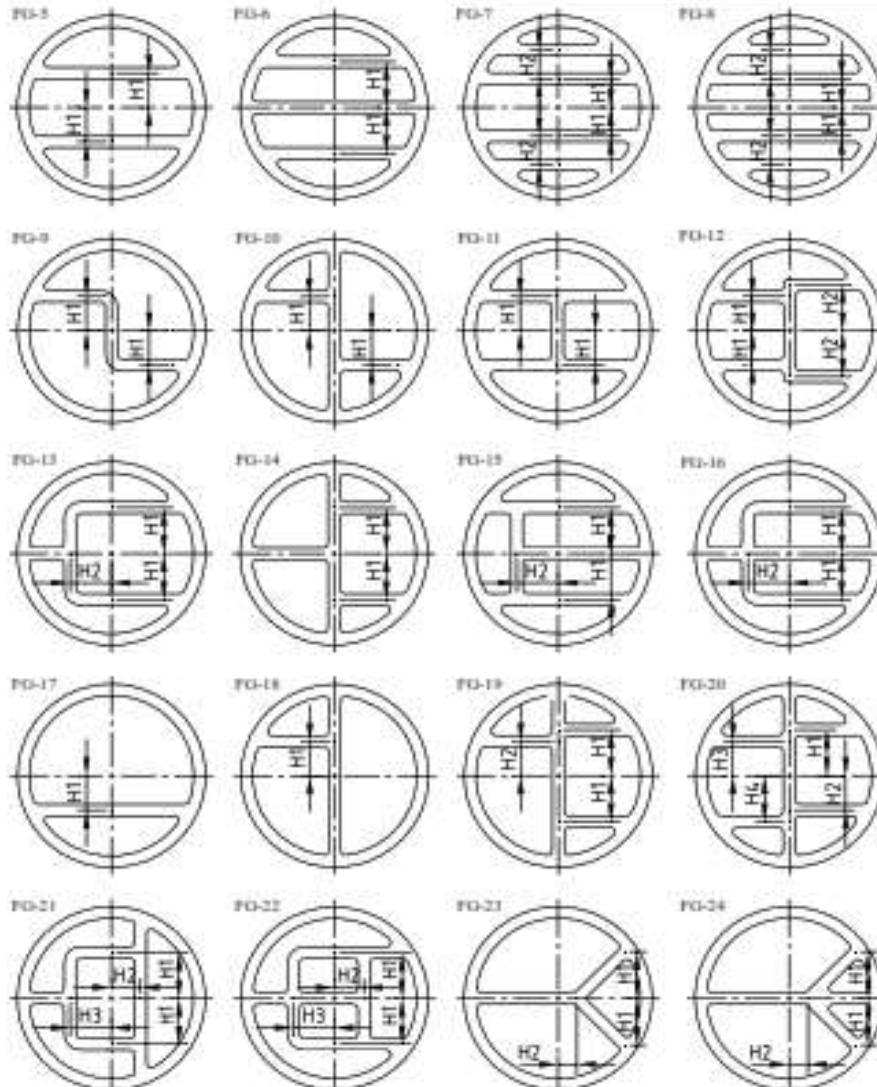
Configuration Styles:	FD- <input type="text"/>		
Sealing Ring Cross Section:	<input checked="" type="radio"/> Profile A <input type="radio"/> Profile B		
Sealing Ring O.D. :	mm		
Sealing Ring I.D. :	mm		
Sealing Rib Width:	mm		
Max. Radius of Rib:	mm		
H2a	mm	H3a	mm
H2a	mm	H3a	mm
Gaskets Thickness			
<input type="radio"/> 3.5mm	<input type="radio"/> 4.0mm	<input type="radio"/> 4.5mm	<input checked="" type="radio"/> 5.0mm
Metal Materials			
<input type="radio"/> 304 SS	<input type="radio"/> 310 SS	<input type="radio"/> 321 SS	<input checked="" type="radio"/> 317L SS
<input type="radio"/> 304L SS	<input type="radio"/> 316L SS	Other Materials <input type="checkbox"/>	
Non-metallic Sealing Materials			
Flexible Graphite <input type="checkbox"/>	PTFE <input checked="" type="checkbox"/>		



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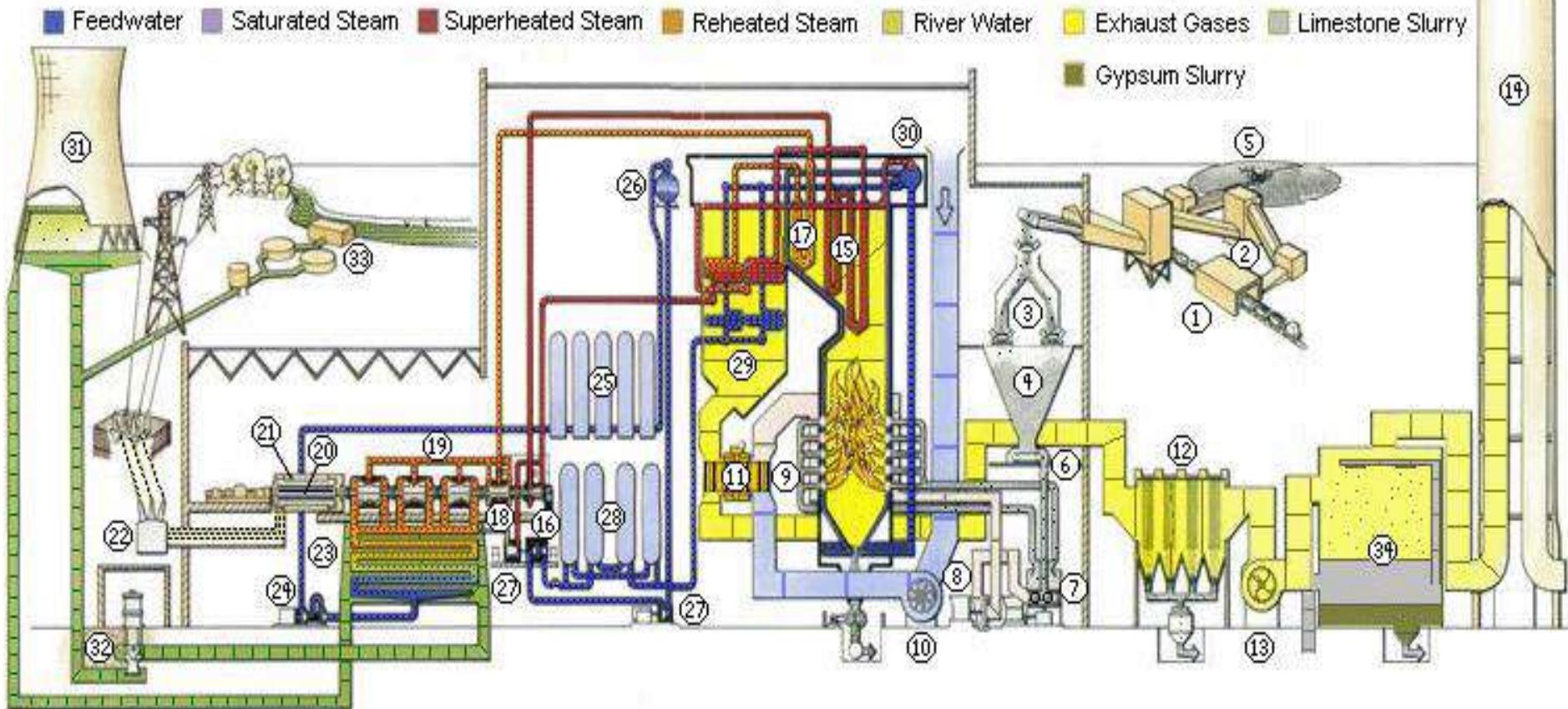
A Division of AIGI Group • Plastic Components

<http://gasket.aigindustries.com.cn>



Metal Gasket

Applications



Metal Gasket

PATENTED Fishbone™

1. Stop-step design
– **Un crushable!**

Features & Benefits

2. Round-teeth design
– **No Flange Damage!**



3. Self-energized
by fluid pressure

4. Extraordinary High Strength, Totally CNC Machined Metallurgy

The 21st Century Gasket Technology

Our Activities

- Modification From Submersible Pump to Goulds Pumps Self Priming
(January 2018)



FOT Pump PJB Indramayu

Our Activities

- Modification From Submersible Pump to Goulds Pumps Self Priming
(PJB Indramayu 2018)



FOT Pump PJB Indramayu

Our Activities

- Replacement From China Pump to Goulds Pumps VIT
(Indonesia Power Palabuhan Ratu 2018)



SERVICE Pump IP Palabuhan Ratu

Our Activities

- Replacement From China Pump to Goulds Pumps VIT
(IP Palabuhan Ratu 2018)



SERVICE Pump IP Palabuhan Ratu

Our Activities

- Replacement From China Pump to Goulds Pumps 3196
(Indonesia Power Labuan 2018)



Cooling & Lubrication Pump IP Labuan

Our Activities

- Replacement From China Valve to ITT Knife Gate Valve
(Indonesia Power Labuan 2018)



Pyrite Reject Valve Indonesia Power Labuan

Our Activities

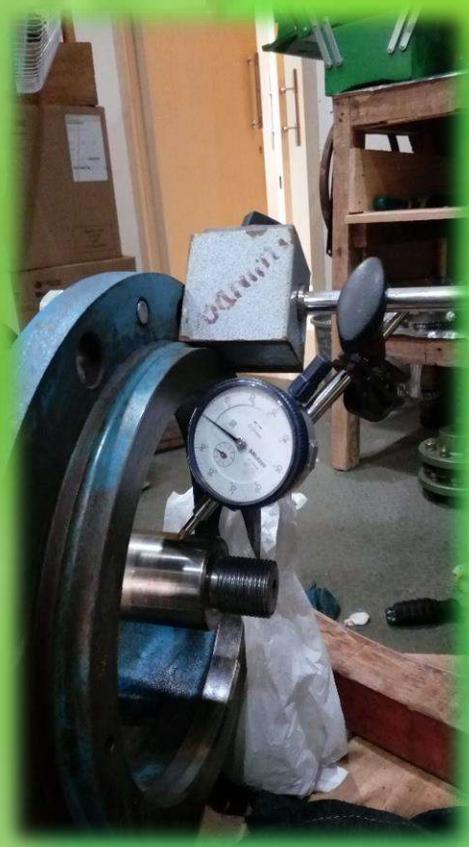
- Repair Cooling Water Pump
(Indocement Power Plant)



Cooling Water Pump PT. Indocement Cibinong

Our Activities

- Repair Cooling Water Pump
(Indo cement Power Plant)



Cooling Water Pump PT. Indo cement Cibinong

Our Activities

Diaflo Valve - Demineralized plant at Indonesia Power



Our Activities

- Measurement Fissbone Gasket
(PLTU Sebalang)



Heat Exchanger PLTU Sebalang

Our Activities

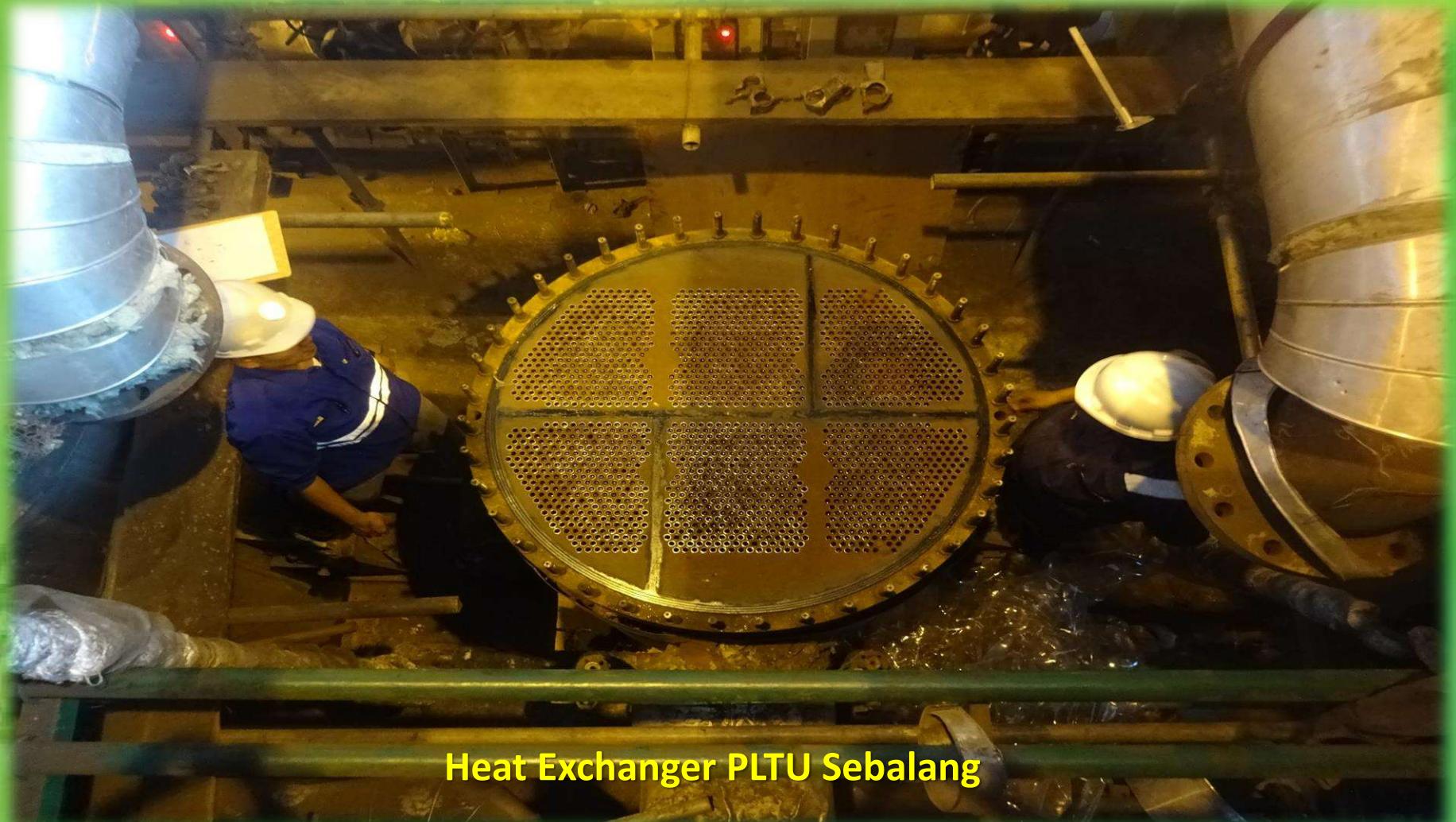
- Measurement Fissbone Gasket
(PLTU Sebalang)



Heat Exchanger PLTU Sebalang

Our Activities

- Measurement Fissbone Gasket
(PLTU Sebalang)



Heat Exchanger PLTU Sebalang

Thank You For Your Attention

PT. FLUINDO TECHNOLOGY INDONESIA

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