

Ti
FLUINDO

PT. Fluindo Tecnologia 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

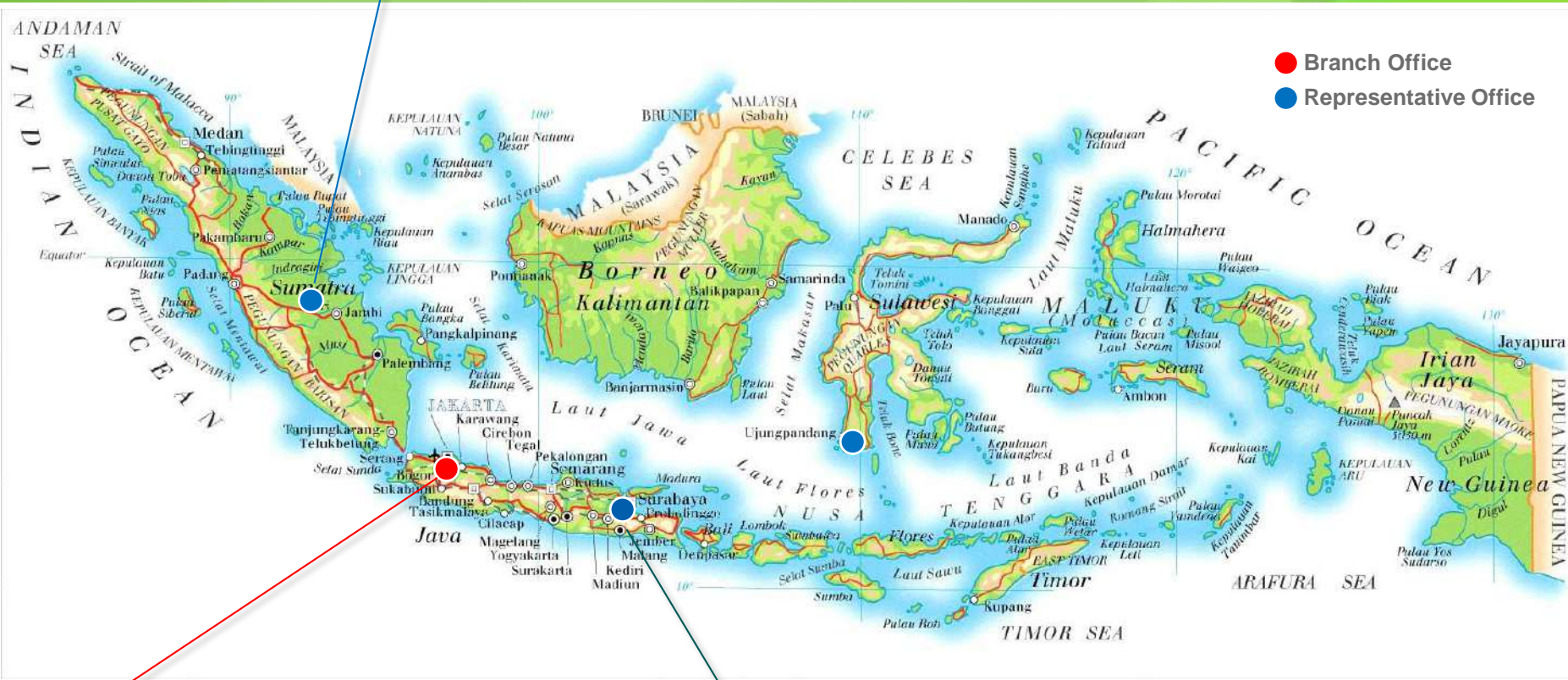
As a leader company in supplying all premium product in order to strategic Industrials in this Country

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)

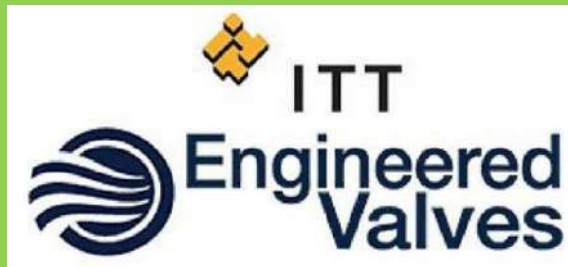
Surabaya (East Java and Central Java)

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



« ARB3



ABRB3 »

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

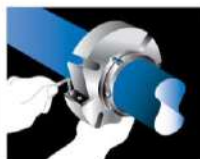
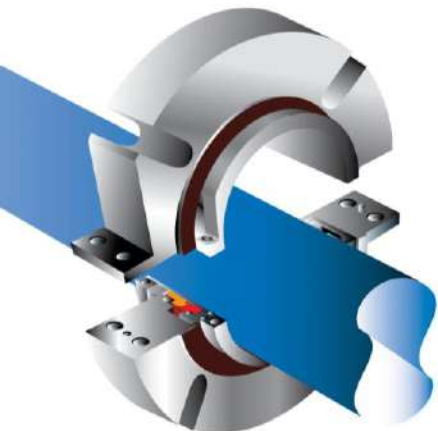
THE FIRST TRUE SPLIT CARTRIDGE MECHANICAL SEAL

No Measurements
No Shims
No Special Tools
No Glue

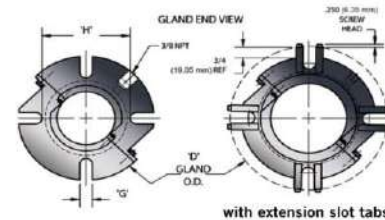
Flex-A-Seal developed the Style 85 Split Cartridge Mechanical Seal to provide the easiest installation found anywhere in the world. After simply attaching two halves over the shaft, the seal mounts to the equipment like any other cartridge mechanical seal. It doesn't get any easier than that!

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 Fluorac® option
Rotating Face	Silicon Carbide
Stationary Face	Carbon or Silicon Carbide
Springs	Hastelloy C®
Screws	316 Stainless Steel

Additional materials available upon request

Operating Conditions

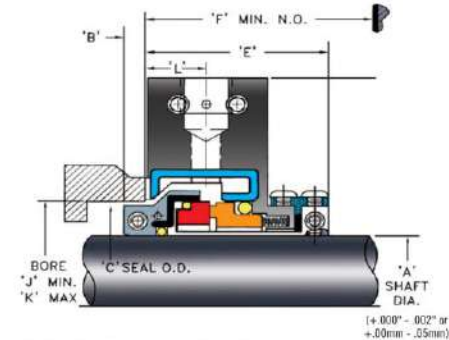
Seal Size	Temp.	Speed	Pressure
1¼"-3" (45mm-75mm)	350°F (175°C)	2600 RPM	250 PSI (17 bar)
3¼"-3½" (80mm-85mm)	350°F (175°C)	1800 RPM	200 PSI (14 bar)
3½"-4¼" (100mm-109mm)	350°F (175°C)	1800 RPM	150 PSI (10 bar)
5" (125mm) +	350°F (175°C)	875 RPM	100 PSI (7 bar)

* 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)

A	B			C			D			E		
45	6.35	65.1	140	54.0	64.0	14.3	84.9	65.58	75.20	18	10	10
48	6.35	68.2	140	54.0	64.0	14.3	90.5	68.85	79.38	18	10	10
50	6.35	68.2	140	54.0	64.0	14.3	90.5	68.85	79.38	18	10	10
60	6.35	77.8	165	54.0	64.0	17.4	104.8	85.73	95.25	18	10	10
60	6.35	81.0	165	54.0	64.0	17.4	104.8	85.73	95.25	18	10	10
62	6.35	81.0	165	54.0	64.0	17.4	104.8	85.73	95.25	18	10	10
65	6.35	85.0	165	54.0	64.0	17.4	112.8	92.08	98.40	18	10	10
68	6.35	90.5	169	54.0	64.0	17.4	112.8	92.08	104.78	18	10	10
70	6.35	90.5	169	54.0	64.0	17.4	112.8	92.08	104.78	18	10	10
71	6.35	93.8	198	54.0	64.0	17.4	122.2	106.97	107.90	18	10	10
75	6.35	96.8	200	54.0	64.0	17.4	125.2	109.00	111.10	18	10	10
80	7.14	106.4	210	62.0	72.0	20.6	131.8	118.00	120.65	20	10	10
87	7.14	112.7	216	62.0	72.0	20.6	138.1	134.39	127.00	20	10	10
90	7.14	115.9	219	62.0	72.0	20.6	140.8	136.20	130.20	20	10	10
90	7.14	117.5	219	62.0	72.0	20.6	145.5	119.05	135.20	20	10	10
100	7.14	125.4	224	62.0	72.0	20.6	150.70	126.90	138.52	20	10	10
110	7.14	135.0	238	62.0	72.0	20.6	153.5	136.50	149.90	20	10	10
115	7.14	140.8	248	62.0	72.0	20.6	173.0	142.90	155.60	20	10	10
120	7.14	143.7	248	62.0	72.0	20.6	176.2	146.85	158.75	20	10	10
125	7.14	157.5	272	68.0	77.0	23.8	184.8	157.00	168.00	20	10	10
135	5.5	169.9	292	78.0	97.0	23.8	198.4	173.00	184.10	20	10	10
145	5.5	176.2	*305	77.8	96.8	23.8	202.2	179.40	193.70	20	10	10
150	5.5	182.6	*311	77.8	96.8	23.8	214.3	185.70	200.20	20	10	10
155	5.5	195.3	*317	77.8	96.8	23.8	228.0	194.40	212.70	20	10	10
160	5.5	214.3	*325	82.6	101.8	23.8	245.8	208.00	225.00	20	10	10
219	5.5	250.8	*372	82.6	101.8	23.8	285.8	254.00	269.20	20	10	10

* Sizes use extension slots tabs



Imperial (all sizes in inches)

SIZE	A	B	C	D	E	F	G	H	I	J	
-29	1.437	250	2.187	525	1.215	2.500	562	3.125	2.250	2.625	556
-24	1.500	250	2.187	525	1.215	2.500	562	3.125	2.250	2.625	556
-26	1.625	250	2.312	575	1.215	2.500	562	3.250	2.375	2.750	556
-27	1.887	250	2.437	550	1.215	2.500	562	3.375	2.500	2.875	556
-28	1.937	250	2.500	550	1.215	2.500	562	3.375	2.500	2.875	556
-29	1.875	250	2.562	550	1.215	2.500	562	3.344	2.625	2.900	554
-31	1.937	250	2.625	544	1.215	2.500	562	3.563	2.687	3.125	556
-32	2.000	250	2.687	544	1.215	2.500	562	3.563	2.750	3.125	556
-33	2.062	250	2.812	600	1.215	2.500	568	3.687	2.875	3.375	556
-34	2.125	250	2.812	600	1.215	2.500	568	3.688	2.875	3.375	556
-35	2.188	250	2.937	625	1.215	2.500	568	3.813	3.000	3.375	556
-36	2.250	250	2.937	625	1.215	2.500	568	3.813	3.000	3.375	556
-37	2.375	250	3.188	625	1.215	2.500	568	4.062	3.250	3.500	556
-39	2.438	250	3.188	644	1.215	2.500	568	4.125	3.375	3.625	556
-40	2.500	250	3.188	644	1.215	2.500	568	4.125	3.375	3.625	556
-42	2.625	250	3.347	644	1.215	2.500	568	4.438	3.500	3.875	556
-43	2.688	250	3.502	782	1.215	2.500	568	4.438	3.625	4.125	556
-44	2.750	250	3.562	782	1.215	2.500	568	4.438	3.625	4.125	556
-45	2.812	250	3.625	782	1.215	2.500	568	4.438	3.625	4.125	556
-47	2.938	250	3.812	788	1.215	2.500	568	4.938	3.937	4.375	556
-48	3.000	250	3.812	788	1.215	2.500	568	4.938	3.937	4.375	556
-50	3.125	281	4.188	825	2.437	2.812	812	5.188	4.500	4.750	812
-54	3.375	281	4.312	825	2.437	2.812	812	5.313	4.375	4.875	812
-55	3.438	281	4.437	850	2.437	2.812	812	5.437	4.500	5.000	812
-56	3.500	281	4.437	850	2.437	2.812	812	5.437	4.500	5.000	812
-57	3.562	281	4.500	850	2.437	2.812	812	5.500	4.625	5.125	812
-60	3.750	281	4.625	882	2.437	2.812	812	5.568	4.687	5.175	812
-62	3.875	281	4.812	882	2.437	2.812	812	5.813	4.875	5.250	812
-64	4.000	281	4.937	882	2.437	2.812	812	5.813	5.000	5.375	812
-68	4.250	281	5.188	925	2.437	2.812	812	6.063	5.250	5.750	812
-70	4.375	281	5.312	925	2.437	2.812	812	6.063	5.375	5.875	812
-72	4.500	281	5.437	969	2.437	2.812	812	6.250	5.500	6.000	812
-74	4.625	281	5.562	969	2.437	2.812	812	6.250	5.625	6.125	812
-76	4.750	281	5.656	975	2.437	2.812	812	6.538	5.750	6.250	812
-79	4.938	375	6.188	1075	3.062	3.812	923	7.232	6.312	6.750	923
-80	5.000	375	6.188	1075	3.062	3.812	923	7.232	6.312	6.750	923
-82	5.125	375	6.375	1100	3.062	3.812	923	7.812	6.500	7.250	923
-84	5.250	375	6.375	1100	3.062	3.812	923	7.812	6.500	7.250	923
-88	5.500	375	6.688	1150	3.062	3.812	923	7.813	6.812	7.575	923
-90	5.750	375	6.812	1150	3.062	3.812	923	7.813	6.812	7.575	923
-95	6.000	375	7.188	1250	3.062	3.812	923	8.437	7.125	7.875	923
-100	6.250	375	7.438	1250	3.062	3.812	923	8.656	7.262	8.125	923
-104	6.500	375	7.688	1275	3.062	3.812	923	8.813	7.617	8.375	923
-108	6.750	375	7.938	1275	3.062	3.812	923	9.132	8.062	8.625	923
-112	7.000	375	7.938	1275	3.062	3.812	923	9.132	8.062	8.625	923
-114	7.125	375	8.188	1288	3.250	4.000	923	9.562	8.312	8.750	923
-116	7.250	375	8.188	1288	3.250	4.000	923	9.562	8.312	8.750	923
-140	8.750	375	9.875	1375	3.250	4.000	1250	11.250	10.000	10.563	923
-144	9.000	375	10.125	1378	3.250	4.000	1250	11.625	10.188	10.875	923

Additional sizes available upon request.

AIGI Environmental

AIGI Environmental Gasket Tank to Tank Solution



AIGI Environmental



AIGI ENVIRONMENTAL INC.



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



SE & SU Patented & Improved Spiral Wound Gaskets



Ring Joint 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



**THE FUTURE OF
HIGH PERFORMANCE SEALING
HAS ARRIVED**

FISHBONE™



Centering Ring Construction
each side covered with Graphite, PTFE or Alcon

ENVIRONMENTAL FISHBONE™ GASKETS



PATENTED ALL RIGHTS RESERVED

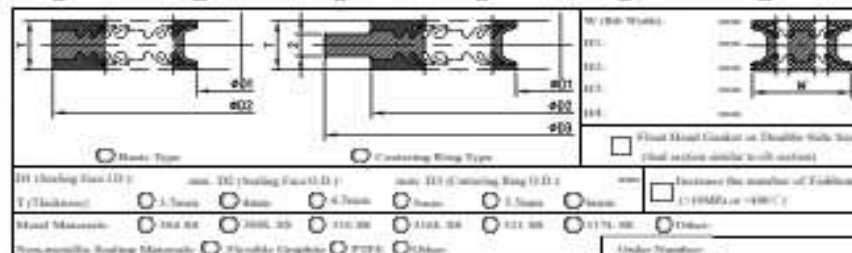
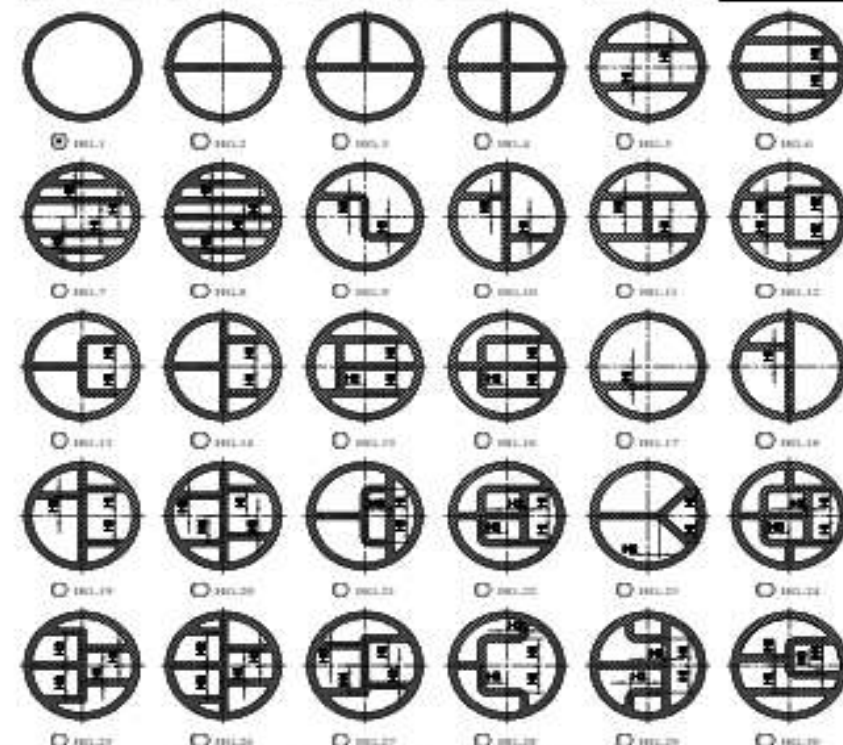


艾志环保管接技术股份有限公司
AIDI ENVIRONMENTAL INCORPORATED

Heat Exchanger Fiberglass Caskets Request For Quote

Here Exchange Fieldset Configuration Styles (Where styles need the storage)

Classification of the



www.angelsbusiness.com.au

月降水量 2.6 毫米

Metal Gasket



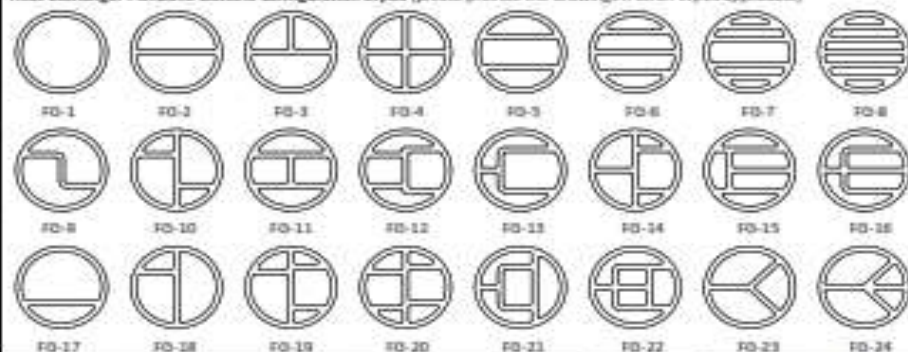
AIGI ENVIRONMENTAL INC.

A Subsidiary of AIGI Group • Beijing, China

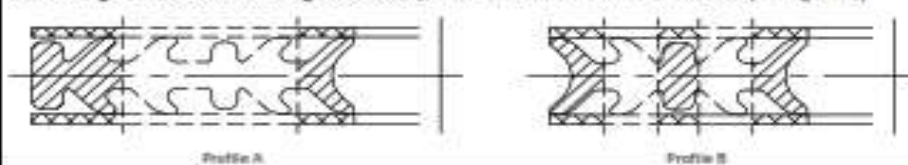
<http://gasket.aigindustries.com.cn>

Heat Exchanger Fishbone™ Gaskets Quotation From

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

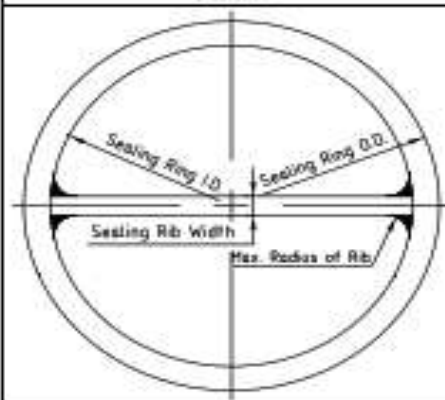


Heat Exchanger Fishbone Gaskets Sealing Cross Section (The number of fishbone will be determined by sealing width.)



Profile A

Profile B



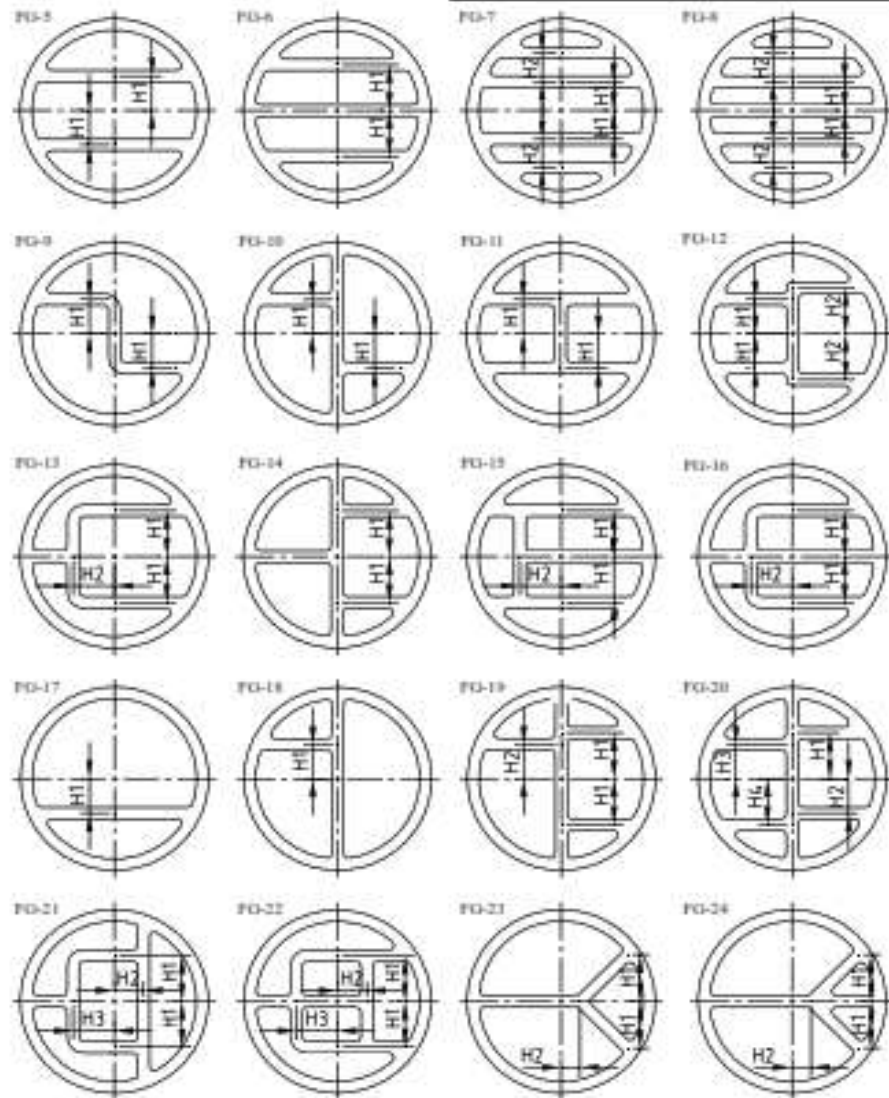
Configuration Styles:	FD- <input type="text"/>
Sealing Ring Cross Section:	Profile A <input type="radio"/> Profile B <input type="radio"/>
Sealing Ring O.D.:	mm <input type="text"/>
Sealing Ring I.D.:	mm <input type="text"/>
Sealing Rib Width:	mm <input type="text"/>
Max. Radius of Rib:	mm <input type="text"/>
H1a	mm <input type="text"/>
H2a	mm <input type="text"/>
H1b	mm <input type="text"/>
H2b	mm <input type="text"/>
Gaskets Thickness	
3.5mm <input type="radio"/>	4.0mm <input type="radio"/>
4.5mm <input type="radio"/>	5.0mm <input checked="" type="radio"/>
Metal Materials	
304 SS <input type="radio"/>	316 SS <input type="radio"/>
321 SS <input type="radio"/>	316L SS <input type="radio"/>
304L SS <input type="radio"/>	316L SS <input type="radio"/>
Other Materials: <input type="text"/>	
Non-metallic Sealing Materials	
Flexible Graphite <input type="radio"/>	PTFE <input checked="" type="radio"/>



AIGI ENVIRONMENTAL INC.

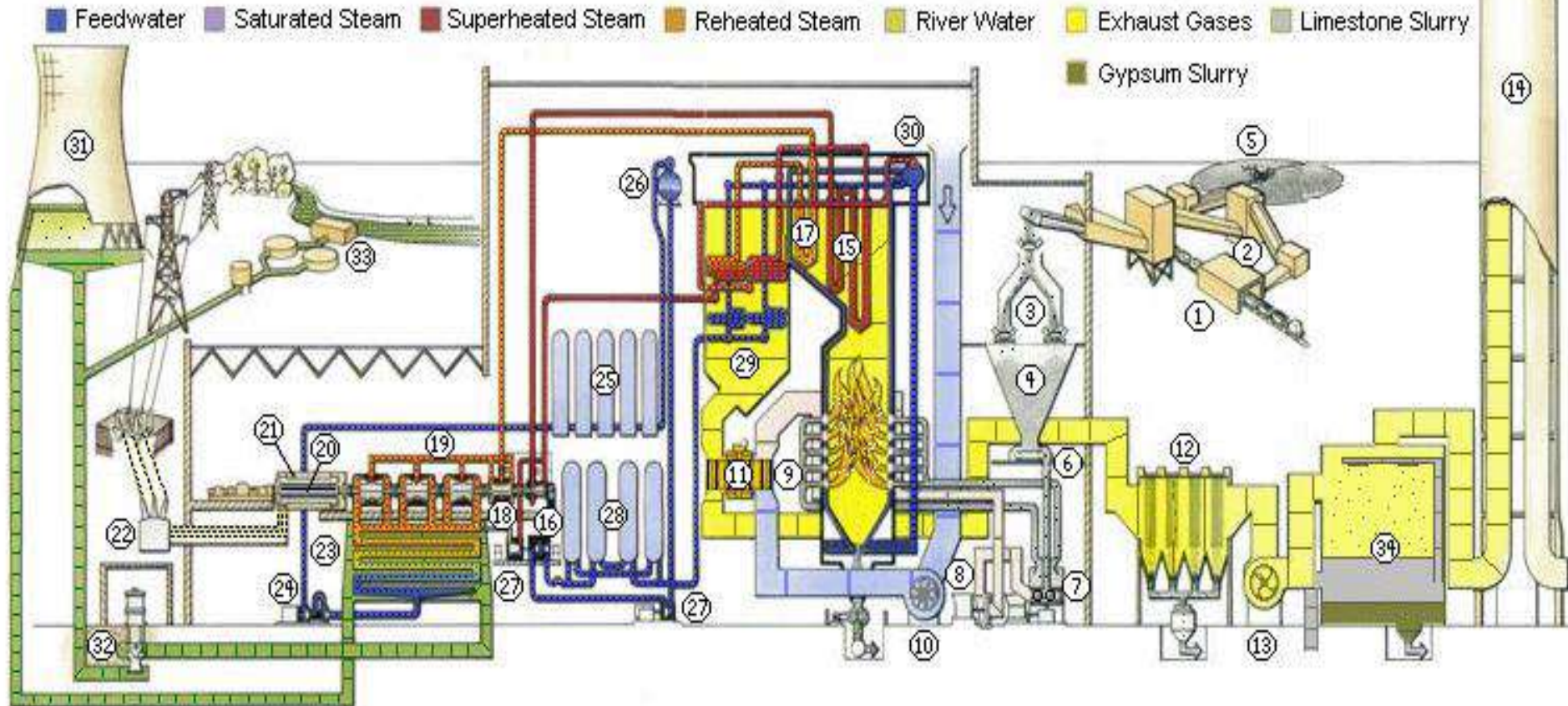
A Subsidiary of AIGI Group • Beijing, China

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



Metal Gasket

Applications



Metal Gasket

PATENTED Fishbone™

Features & Benefits

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

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 (Indocement Power Plant)



Cooling Water Pump PT. Indocement Cibinong

Our Activities

Diaflo Valve - Demineralized plant at Indonesia Power



Our Activities

- Measurement Fissbone Gasket (PLTU Sebalang)



Heat Exchanger PLTU Sebalang

Our Activities

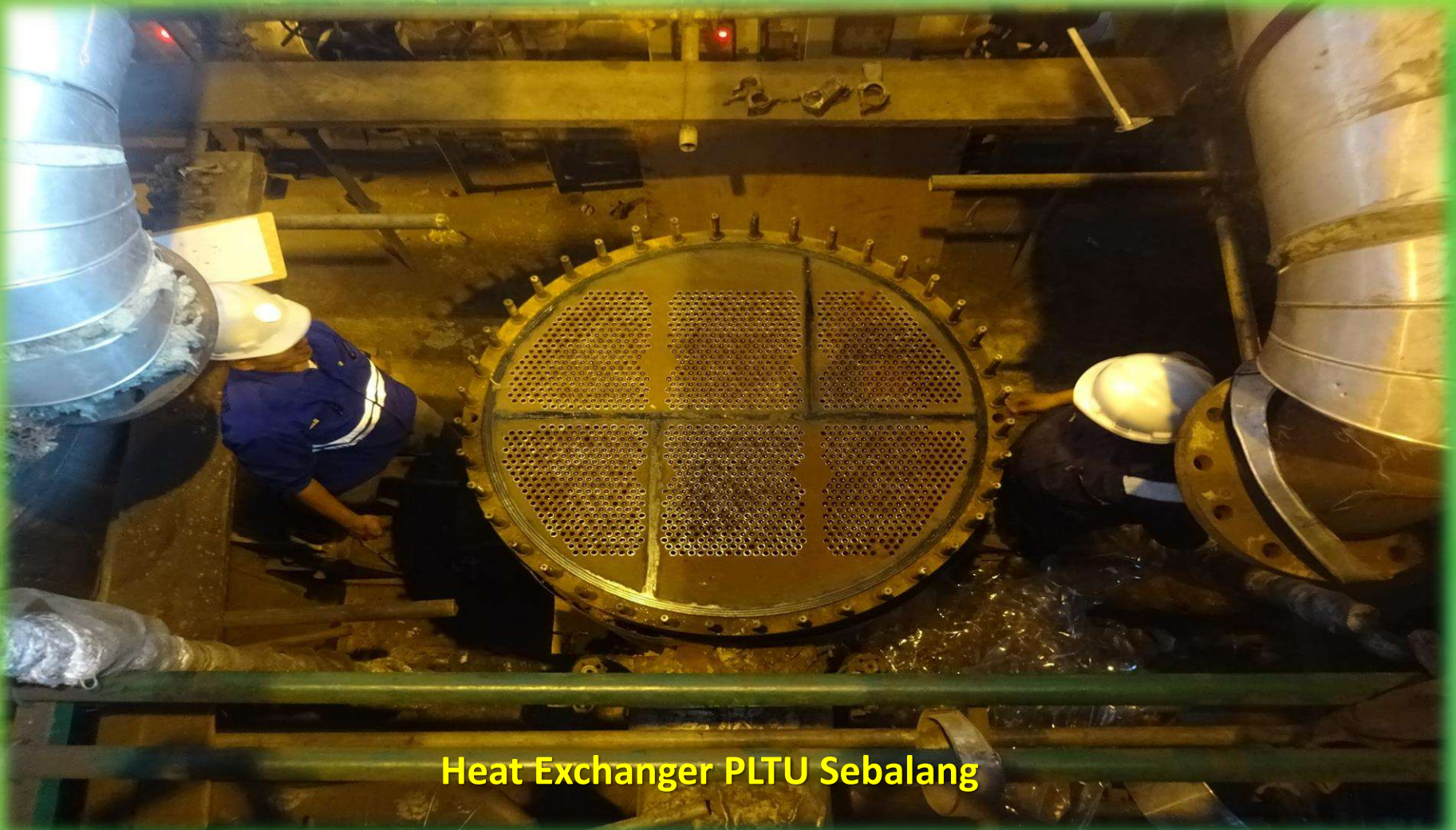
- Measurement Fissbone Gasket (PLTU Sebalang)



Heat Exchanger PLTU Sebalang

Our Activities

- Measurement Fissbone Gasket (PLTU Sebalang)



Heat Exchanger PLTU Sebalang

Thank You For Your Attention



PT. FLUINDO TECHNOLOGY INDONESIA

Email : admin@fluindo.co.id

Telp. : (021) 22521777 / 22526777

Website : www.fluindo.com