

Flexible Graphite Packing **Aiflon 2000, 2000K**



CONSTRUCTION:



2000--Flexible Graphite Packing

Braided from low-sulphur expanded graphite yarns, which are reinforced by cotton fiber. It has a very low friction, does not damage shafts or stems. It shows good thermal and chemical resistance and high elasticity.

Other reinforcement materials are also available:

Glass fiber-----High strength, lower cost

Carbon fiber-----Less weight loss

2000K --Flexible Packing with Corrosion Inhibitor

Corrosion inhibitor acts as a sacrificial anode to protect the valve stem and the stuffing box.

APPLICATION :

2000 & 2000K is a multi-service packing capable of a wide variety of uses throughout a plant. It can be used in valves, pumps, expansion joints, mixers and agitators in high-pressure, high-temperature hostile environments of hydrocarbon processing, pulp and paper, power stations, refineries and industries where effective sealing is vital.

Precaution: in oxidizing environment.

Recommendation: Use preferably with Aiflon 2102 high carbon fiber anti-extrusion packing rings.

SERVICE LIMITS:

	Rotating	Reciprocating	Valves
Pressure	20 Bar	100Bar	300Bar-
Shaft speed	20m/s	2m/s	2m/s
Density	1.0~1.3g/cm ³ (+5% for 2000K)		
Temperature	-220~+500°C (+550°C with steam)		
PH range	0~14		

FORMS OF SUPPLY:

in coils of 2 to 5 kg, other package on request.

as packing rings---**R2000, R2000K** etc.

as precut length

STOCK DIMENSIONS:

Size mm	4	5	6	8	10	12	14	15	16	18	20	25
appr. m/kg	48.1	30.8	21.4	12.0	7.7	5.3	3.9	3.39	3.0	2.4	1.91	1.22
Appr. ft/lb	71.5	45.8	31.8	17.8	11.4	7.9	5.8		4.5	3.6	2.8	1.8
kg/coil	2					5						

Weight of 2000K: approx. 5% greater than 2000.

Super-high T&P Valve Packing Aiflon 2000M *High-Temp Jacketed Packing Aiflon 2021I*



CONSTRUCTION:



2000M—Super-high Temperature & Pressure Valve Packing

Braided from low-sulphur expanded graphite yarns with corrosion inhibitor, reinforced with Inconel wire. Each yarn is round braided with Inconel mesh again. The exclusive packing is formable, yet tough. Rated in steam service 500bar, maintains integrity in steam up to 650°C. It is a cost-effective as well as a confident choice.

2000S—It is 2000I Inconel reinforced graphite packing with stainless steel spring core, special for oval stem under high temperature.

2021I—High-temp Jacketed Valve Packing

High temperature fiber with inconel wire braided over a resilient graphite core thoroughly impregnated with graphite and corrosion inhibitor, normal for steam valve.

SERVICE LIMITS:

	2000M	2000S	2120I
Pressure	500Bar	50Bar	140
Speed		2m/s	2m/s
PH	0~14	0~14	3~10
Density	1.1~1.4g/cm ³		
Temperature	-220~+500°C (+650°C steam)		

FORMS OF SUPPLY:

in coils of 2 to 5 kg
as packing rings
as precut length



STOCK DIMENSIONS:

Size mm	4	5	6	8	10	12	14	15	16	18	20	25
appr. m/kg	43.7	28	19.5	10.9	7.0	4.8	3.5	3.1	2.7	2.2	1.7	1.1
Appr. ft/lb	65	25	28.9	16.2	10.4	7.2	5.3	4.7	4.1	3.3	2.5	1.6
kg/coil	2					5						

Weight of 2000M: approx. 5% greater than 2000S & 2021I.

Improved Style Flexible Graphite Packing Aiflon 2000P, 2010,2030



CONSTRUCTION:



Aiflon 2000P Graphite packing with PTFE impregnation

Made of expanded flexible graphite, which are reinforced by textile fibers, with PTFE impregnation. Compared to traditional graphite packing, it has excellent cross-section tightness, structural strength and very low friction-value, wear resistant, yet gentle to shaft and stem.

Aiflon 2010 Graphite packing with carbon fiber corners

Diagonally braided from expanded flexible graphite, reinforced at the corners throughout with high quality carbon fiber. This corners and body make it three times more resistant to extrusion and also increase the pressure handling capabilities compared to 2000.

Aiflon 2030 Graphite packing with PTFE corners

PTFE corners effectively prevent graphite extrusion, this packing contains the advantage of PTFE and graphite. Graphited PTFE corner is also efficient.

APPLICATIONING:

Can be used in many demanding applications, both dynamic and static. Particularly suited for high temperature and high pressure service in valves, pumps, expansion joints, mixers and agitators of pulp and paper, power station and chemical plant etc.

SERVICE LIMITS:

Style		2010	2000P, 2030
Temperature		-200~+550 °C	+280°C
Pressure Shaft speed	Rotating	25 bar-20m/s	25 bar-25m/s
	Reciprocating	100 bar-2m/s	100 bar-2m/s
	Valve	300 bar-2m/s	300 bar-2m/s
PH Range		0~14	
Density(appr.)		1.0~1.3g/cm ³	1.3~1.5 g/cm ³

FORMS OF SUPPLY:

in coils of 1 to 5 kg, other package on request.
as packing rings--- R2000P,R2010,R2030 etc.
as precut length

STOCK DIMENSIONS:



Size mm	4	5	6	8	10	12	14	15	16	18	20	25
appr. m/kg	48.1	30.8	21.4	12.0	7.7	5.3	3.9	3.39	3.0	2.4	1.91	1.22
Appr. ft/lb	71.5	45.8	31.8	17.8	11.4	7.9	5.8		4.5	3.6	2.8	1.8
kg/coil	2					5						

Weight of 2000P: approx 25% greater than 2010 or 2012.

Carbonized Fiber Packing Aiflon 2100, 2100I



CONSTRUCTION:



2100 Carbonized Fiber Packing`

Braided from shrink-proof synthetic fiber impregnated with PTFE dispersion containing graphite particles, silicon-oil-free, which is oxidized polyacrylonitrile fiber. Compared to traditional carbon fiber packing, it is not brittle, can suited for high peripheral speeds and food industries. Oxidized fiber has high strength and good thermal conductivity, PTFE and graphite makes the packing have excellent self-lubrication, so this packing does not damage shafts and has long life.

2100G Carbonized Fiber Packing impregnated with Graphite

2100I Carbonized Fiber Packing Reinforced with Nickel wire

The wire reinforcement provides increased mechanical strength, usually for static.

APPLICATION:

It can be used in weak acids and alkalis or media containing few grains of solid particles, both dynamic and static, mainly used for centrifugal pumps, plunger pumps, mixers and valves.

Without cooling it can be used with hot water up to 160°C , with cooling it can be used with hot water up to 207°C. Particularly ideal for hot water, condensate and main coolant pumps.

SERVICE LIMITS:

Temperature	-50~+280 °C	
Pressure-Shaft	Rotating	20 bar-25m/s
	Reciprocating	100 bar-2m/s
	Valve	200 bar-2m/s
PH Range	2~12	
Density(appr.)	1.1~1.3g/cm ³	

FORMS OF SUPPLY:

in coils of 1 to 5 kg, other package on request.
as packing rings----**R2100, R2100I**
as precut length

STOCK DIMENSIONS:

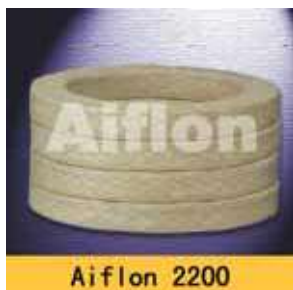
Size mm	8	10	12	12.7	14	16
appr. m/kg	11.5	7.4	5.0	4.46	3.7	2.8
Appr. ft/lb	17.1	11.0	7.4	6.6	5.5	4.2
kg/coil	2		5			

Weight of 2100I: approx 10% greater than 2100.

Aramid Fiber Packing Aiflon 2200,2200L

Data Sheet

CONSTRUCTION:



Aiflon 2200 Aramid Fiber Packing`

Braided from high quality aramide fibres with PTFE-Impregnation and lubricant additive. Extremely hard wearing. It shows good chemical resistance, high elasticity and very low cold flow. It is wear resistant but may damage the shaft if not used properly. A minimum shaft hardness of 60HRC is therefore recommended. Compared with other kinds of packing, it can resist more severe media and higher pressure. The packing is also lubricated with a silicone-based compound for quick and easy break-in.

Spun Aramid fiber packing 2200S is also available on request.

Aiflon 2200L Aramid fiber packing with an inert lubricant

An extremely durable, highly abrasive resistant packing, It is ideal for slurry service application.

APPLICATION:

It is a universal packing which can be used for pumps in all types of industry such as chemical, petrochemical, pharmaceutical, food and sugar industries, pulp and paper mills, power stations etc. It is also a durable packing able to withstand granular and abrasive applications, it is recommended for serve in superheated steam, solvents, liquefied gases, sugar syrups and other abrasive fluids.

For hot water applications it can be used uncooled up to 160°C.

It can be used as stand-alone packing also combined with others as anti-extrusion ring.

SERVICE LIMITS:

	Rotating	Reciprocating	Static
Pressure	25 bar	100 bar	200 bar
Shaft speed	25 m/s	1.5 m/s	
Temperature	-100~+280°C		
PH range	2~12		
Density	Appr. 1.4g/cm ³		

FORMS OF SUPPLY:

in coils of 2 to 5 kg, other package on request.
as packing rings----**R2200(L)**
as precut length



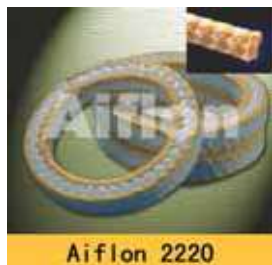
STOCK DIMENSIONS:

Size mm	6	8	10	12	12.7	14	15	16	18	20	22
appr. m/kg	19.0	11.0	7.0	4.8	4.3	3.5	3.1	2.7	2.1	1.75	1.42
Appr. ft/lb	28.3	16.4	10.4	7.1	6.4	5.2	4.6	4.0	3.1	2.6	2.12
kg/coil	2			5							

PTFE+Aramid Fiber Packing Aiflon 2220,2222,2230,2232

Data Sheet

CONSTRUCTION:



2220 White PTFE Packing with Aramid Corners

Multi-yarn packing, the corners of packing are made of aramid yarns impregnated with PTFE, while the friction faces are made of pure PTFE yarns. This structure enhances the lubrication ability of aramid fiber and improves the strength of the pure PTFE.

2222 White PTFE & Aramid in Zebra Braided Packing

Multi-yarn in zebra braided packing consisting of pure PTFE and aramid.

2230 Graphited PTFE Packing with Aramid Corners

Interlock braid of graphited PTFE with aramid yarn on the corners. This improve resistance in higher pressure applications. It has excellent sliding velocity and thermal conductivity compared to 2220

2232 Graphited PTFE & Aramid in Zebra Braided Packing

Compared to 2222, it has excellent lubrication ability and thermal conductivity.

APPLICATION:

2220 2222	Designed for high pressure reciprocating pumps, medium speed centrifugals and valves. It can be used for general service steam, gases, solvents, mild acids, alkalis and most abrasive liquids. The packing will not stain in pulp & paper mill, pharmaceutical, food and sugar industries.
2230 2232	Offers the strength of aramid fibers , the thermal dissipating and low friction property of graphited PTFE. Used in reciprocating pumps, mixers, reactors and valves for petrochemical, paper and sugar industries , power stations.

SERVICE LIMITS:

Style		2220, 2222	2230, 2232
Pressure	Rotating	20 bar	25 bar
	Reciprocating	100 bar	150 bar
	Static	180 bar	200 bar
Shaft speed		12 m/s	15m/s
Temperature		-100~+280°C	-150~+280°C
H range		2~12	



FORMS OF SUPPLY:

in coils of 2 to 5 kg, other weight on request; as precut length;
as packing rings----**R2220,R2222,R2230,R2232**

STOCK DIMENSIONS:

Size mm	4	5	6	8	10	12	14	16	18	20	22	25
appr. m/kg	35	25	15	10	7.0	4.0	3.6	2.8	2.3	1.8	1.4	1.1
Appr. ft/lb	55	38	22	15	11	6.0	5.5	4.2	3.5	2.8	2.1	1.6
kg/coil	2						5					

White PTFE Packing

Aiflon 2300(L),2302,2304

Data Sheet

PTFE has characteristics of excellent anticorrosion, good self-lubrication and non-sticking. However, it is also substance with low heat conductivity, cold flow and great thermal expansion coefficient. All of Aiflon PTFE packings are designed for every applications.

CONSTRUCTION:



Aiflon 2300

2300(A/B) Pure PTFE Packing (Free oil)

Made of raw film twists of pure PTFE dispersion resins without any lubrication. It is soft, mainly for static sealing. (2300P=2300 + PTFE Impregnation)

2300L Pure PTFE Packing with oil

Same as 2300, but treated with special lubrication, designed for dynamic. PA 2300 and PA 2300L both are economical packing.



Aiflon 2300L

2302 Pure EPTFE Packing (Free oil)

Braided from pure 100% expanded PTFE packing. it is very flexible, low cold flow, high elasticity. It can be impregnated with PTFE on request.

2304 Sintered PTFE Packing

Made of sintered, highly stretched PTFE multifilament yarns with thoroughly PTFE impregnation. The packing is then re-impregnated with a mix of PTFE mix during plaiting operation. Good resistance to compression and to extrusion, high structural and cross-sectional density.

2304SC Sintered PTFE Packing with Silicone Core

APPLICATION:

2300(A/B) 2302	Designed for valves and lower shaft speed applications under medial pressure in food processing, pharmaceuticals, paper mills, fibre plants where high purity and corrosion resistance is required.
2300L	Universal, suitable for valves, pumps and agitators in most mediums.
2304	Especially suited for high pressure valves, plunger pumps, agitators, mixers etc. and where contamination is not permitted.

SERVICE LIMITS:

Style	2300(A/B)	2300L	2302	2304
Pressure	Rotating	15 bar	15 bar	20 bar
	Reciprocating	100 bar	100 bar	150 bar
	Static	150 bar	200 bar	250 bar
Shaft speed	2 m/s	10m/s	5m/s	10m/s
Density	1.3g/cm ³	1.6 g/cm ³	1.3g/cm ³	1.75 g/cm ³
Temperature	-150~+260°C			
PH range	0~14			

FORMS OF SUPPLY:

in coils of 2 to 5 kg, other weight on request; as precut length;
as packing rings----**R2300,R2300L,R2302,R2304**

STOCK DIMENSIONS:

Size mm	4	5	6	8	10	12	14	15	16	18	19	20
appr. m/kg	35	22	16	9.0	5.6	3.9	2.9	2.5	2.2	1.7	1.5	1.4
Appr. ft/lb	52	33	24	14	8.3	5.8	4.3	3.7	3.3	2.5	2.9	2.1
kg/coil	2						5					

Above appr. Weight for type 2304.

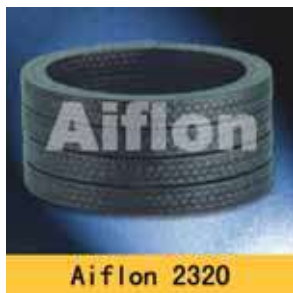
Graphited PTFE Packing

Aiflon 2320A/B/C, GFO, 2322



PTFE has characteristics of excellent anticorrosion, good self-lubrication and non-sticking. Aiflon GPTFE yarn is expanded PTFE treated with continuous graphite impregnation, it has very low friction and good thermal conductivity of graphite, it almost suits for most of chemical media.

CONSTRUCTION:



2320A/B Graphited PTFE Packing

Braided from graphited PTFE (GPTFE) yarn. The packing is soft. There are no free particles of graphite on surface and therefore no contamination can occur.

2320A is a packing with A grade of quality.(Chinese “GFO”)

2320B is economical GPTFE packing.

2320GFO is 100% GFO Packing

2320L Graphited PTFE Packing with oil (2320C)

Packing made of 100% GPTFE yarns, and re-impregnated with a silicone lubricant. It is also economical GPTFE packing.

2322 Sintered Graphited PTFE Packing

Braided from sintered PTFE pretreated with graphite impregnation. This yarns are 100% from Leizing. The characteristics are similar to GFO, just has cross-sectional density, and some particles of graphite on surface.

APPLICATION:

For use in pumps, valves, reciprocating and rotating shafts, mixers and agitators. Especially designed for services involving surface speeds and temperature higher than those normally specified for pure PTFE packings. Can be safely used in all chemical pump applications with the exception of molten alkali metals, fluoride, fuming nitric acid and other strong oxidizing agents. It is also against water, steam, petroleum derivatives, vegetable oil and solvents.

SERVICE LIMITS:

Style		2320A	2320B	2320L	2322
Pressure	Rotating	20 bar	15 bar	15 bar	20 bar
	Reciprocating	100 bar	100 bar	100 bar	150 bar
	Static	150 bar	200 bar	200 bar	250 bar
Shaft speed		16 m/s	12 m/s	12 m/s	20 m/s
Density		1.4~1.6g/cm ³			
Temperature		-150~+280°C			
PH range		0~14			

FORMS OF SUPPLY:

in coils of 2 to 5 kg, other weight on request;
as precut length;
as prepressed rings----R2320A/B,R2320L,R2322



STOCK DIMENSIONS:

Size mm	4	5	6	8	10	12	14	16	18	20	22	25
appr. m/kg	45	29	21	12	7.4	5.1	3.8	2.9	2.3	1.9	1.6	1.3
Appr. ft/lb	68	47	27	17	12	6.8	5.4	4.4	3.6	3.2	2.3	1.8
kg/coil	2					5						

Ramie Fiber Packing Aiflon 2400(SC), 2400G

Data Sheet

CONSTRUCTION:



2400 Ramie Fiber Packing with PTFE

Highest quality ramie fiber impregnated with light-colored, special PTFE and inert lubricant during square plaiting operation. It can prevent product contaminated. Low maintenance, easy-to –control, it is not harsh on shafts and stems. Material Flax is also available on request.

2400SC Ramie packing with silicon Rubber Core

High elastic silicon core can absorb vibration, to control leakage.

2400G Ramie Packing with graphite & oil impregnation

Square braided construction, graphite coated and mineral oil lubricated throughout.

APPLICATION:

Style	Application
2400(SC)	For pumps, refiners, filters and valves in the brewing and beverage industry, shipbuilding and other fields. Especially resistant to abrasive media in the paper industry.
2400G	A medium hard packing which is lubricated and graphited throughout. Extremely low frictional characteristics where minimum shaft wear is essential. Rot resistant and ideal for marine use, handling cold water, brine and cold oils.

SERVICE LIMITS:

Style	2400(SC)	2400G
Density	1.25g/cm ³	1.25g/cm ³
PH range	5~11	6~8
Maximum Temperature °C	130	100
Pressure bar	Rotating	20
	Reciprocating	15
	Static	30
Shaft speed	m/s	10
		6

FORMS OF SUPPLY:

in coils of 2 to 5 kg, other package on request.
as packing rings-----R2400(SC), R2400G
as precut length



STOCK DIMENSIONS:

Size mm	5	6	8	10	12	13	14	15	16	18	20	22	25
appr. m/kg	33	23	13	8.0	5.5	5.0	4.2	3.7	3.2	2.5	2.1	1.7	1.3
Appr. ft/lb	49	34	19	12	8.2	7.4	6.2	5.5	4.8	3.7	3.1	2.5	1.9
kg/coil	2				5								

Cotton Packing

Aiflon 2440(W/Y), 2400P/G

Data Sheet

CONSTRUCTION:



Aiflon 2440 Cotton Fiber Packing with grease

Pre-impregnated, twisted cotton yarns, intensively re-impregnated during braiding. Flexible and elastic, easy to handle. It's an economical packing for the limits of application stated.

2440W is white, **2440Y** is yellow.

Aiflon 2440G Cotton Packing with Graphite & oil

Pre-impregnated cotton yarns treated with graphite, then thoroughly re-impregnated during braiding. The packing is resilient and flexible.

Aiflon 2440P Cotton Packing with PTFE Impregnation

Made of long cotton fiber yarn impregnated with PTFE and additives. The packing has a low coefficient of friction & is resilient and flexible. (PH: 4~10)

APPLICATION:

Style	Application
2440(W/Y)	An economical universal packing, suitable for rotating and reciprocating pumps, valves, agitators etc with water, sea-water, alcohol, etc.
2440G/P	Universal packing, for Rotary, reciprocating pumps, in ship building and domestic fresh water pumps. Style 2440P is designed for hydraulic applications in low and medium pressure pumps and valves, and where contamination is not permitted.

SERVICE LIMITS:

Style	2440(W/Y)	2440G/P
Density	1.25g/cm ³	1.25g/cm ³
PH range	6~8	6~8
Maximum Temperature °C	100	130
Pressure bar	Rotating	10
	Reciprocating	20
	Static	60
Shaft speed	m/s	10



FORMS OF SUPPLY:

in coils of 2 to 5 kg, other package on request.
as prepressed rings----**R2440(W/Y)**, **R2440G/P**
as precut length



STOCK DIMENSIONS:

Size mm	5	6	8	10	12	13	14	15	16	18	20	22	25
appr. m/kg	33	23	13	8.0	5.5	5.0	4.2	3.7	3.2	2.5	2.1	1.7	1.3
Appr. ft/lb	49	34	19	12	8.2	7.4	6.2	5.5	4.8	3.7	3.1	2.5	1.9
kg/coil	2				5								

Acrylic Fiber Packing

Aiflon 2500(L,SC), 2500G

Data Sheet

CONSTRUCTION:



PA 2500 Arcylic Fiber Packing with PTFE

Braided from high strength arcylic synthetic fiber pre-impregnated with PTFE, and re-impregnated during square braiding. It has excellent properties of sealing, lubricating and resistance to chemicals.

2500L is acrylic fiber packing with oil and few PTFE

2500SC is Arcrylic fiber packing with silicon core

PA 2500G Arcylic Fiber Packing Treated with Graphite

Braided of high strength Arcylic synthetic fiber, treated with graphite.

The packing is then re-impregnated during braiding consisting of graphite mixed with special lubrications. Much of graphite filler increases the service temperature and the density of the packing.

APPLICATION:

Style	Application
2500	Excellent multi-service for a wide variety of uses throughout a plant. Used in pumps and valves, and can handle most chemicals except strong acid, strong alkali and strong oxidizer. Especially for the condition of middle-temperature, high-pressure, high-speed, and where contamination is not permitted.
2500G	Universal packing for pumps and valves, and handle water, air, steam, mild acids and alkalis, all kinds of organic solvents and Chemicals. Especially suitable for the condition of high-temperature, high-pressure, medium-speed.

SERVICE LIMITS:

	2500	2500G
T	260°C	350°C
PH	1~13	1~13
V	20m/s	15m/s
Rotating	20bar	25bar
Reciprocating	80bar	100bar
Valve	100bar	150bar
D(g/cm ³)	1.1~1.3	1.1~1.3



FORMS OF SUPPLY:

in coils of 2 to 5 kg, other package on request.

as prepressed rings----**R2500, R2500G**

as precut length

STOCK DIMENSIONS:

Size mm	5	6	8	10	12	13	14	15	16	18	20	22	25
appr. m/kg	33	23	13	8.0	5.5	5.0	4.2	3.7	3.2	2.5	2.1	1.7	1.3
Appr. ft/lb	49	34	19	12	8.2	7.4	6.2	5.5	4.8	3.7	3.1	2.5	1.9
kg/coil	2					5							

Kynol Fiber Packing Aiflon 2540

Data Sheet

CONSTRUCTION:

Aiflon 2540 Kynol Fiber Packing`



Braided from high-performance Kynol (also named novoloid or phenolic) fiber impregnated with special PTFE lubricant, it has very good mechanical properties combining softness and strength. The packing has natural golden sheen. Compared to ordinary aramid and PTFE, it has more benefits as follows:

- ★ Thermal stability, low heat expansion;
- ★ High dimensional stability and superior pressure resistance even at elevated temperature;
- ★ Good process-ability, easy to cut and fit;
- ★ Outstanding chemical resistance particularly in acidic media;
- ★ Excellent resistance to organic solvents, oil and fuels...

Aiflon 2542 PTFE Packing with Kynol fiber corners

It contains the advantage both PTFE and Kynol

APPLICATION:

A high performance packing that is well suited to applications where graphite impregnation may not be acceptable. Suitable for abrasive media, and where contamination is not permitted. It has multiple uses in chemical plants and pulp and paper mills, and is regularly used in rotating and reciprocating pumps, washer journals, liquor pumps, refiners and digesters.

SERVICE LIMITS:

	Rotating	Reciprocating	Static
Pressure	20 bar	100 bar	200 bar
Shaft speed	20 m/s	1.5 m/s	2 m/s
Temperature	-200~+260°C		
PH range	1~13		
Density	appr 1.5g/cm ³		



COMPARISON CHART:

Aiflon	Chesterton	Latty	Teadit	Utex	Speco	Jeil
2540	1727	7188	2777	248	2250	3078

STOCK DIMENSIONS:

Size mm	6	8	10	12	12.7	14	15	16	18	20	22
appr. m/kg	17.7	10.3	6.5	4.5	4.0	3.3	2.9	2.5	1.9	1.6	1.3
Appr. ft/lb	26.4	15.3	9.7	6.6	5.9	4.8	4.3	3.7	2.9	2.4	1.9
kg/coil	5(10 lb/roll)										

Expanded Graphite Sheet

Aiflon 4000



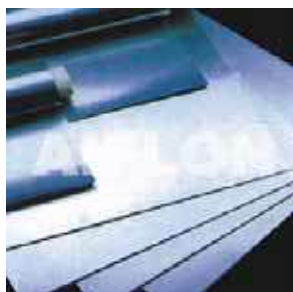
CONSTRUCTION: Aiflon 4000 Pure Expanded graphite sheets & rolls (4000L) are selected from the high purity natural flake graphite. They are made through the advanced chemical treatment and mechanical procedure without fibers, binders or other additives. It offer excellent sealing capabilities under extreme conditions with a longer life and less maintenance.

Nuclear Style grade:4000/N,4000L/N

APPLICATION : Made for packing rings and various kinds of gaskets. Used widely in chemical, automotive and pump, valve industries. As a superior replacement for asbestos, new more applications are Being identified daily.

LIMITS OF APPLICATION : Temperature: -240~500°C under oxidizing environment
-240~3500°C under non-oxidizing environment
PH Range: 0 - 14

PROPERTIES:



Item		Nuclear grade	Industrial grade
Tolerance of Density	g/cm ³	±0.05	±0.06
Carbon Content	≥%	99.5	98
Tensile strength	≥Mpa	5	4
Compressibility	≥%	30	30
Recovery	≥%	15	15
Sulphur Content	≤%	700	1200
Chlorine Content	≤%	25	50
Stress relaxation rate	%	10	10
Lgnition loss	≤%	0.5	2.0

FORMS OF SUPPLY:



Item	Sheets	Rolls
Density g/cm ³	1.0	1.0
Length	1000, 1500mm	30~100m
Width mm	1000, 1500	1000~1500
Thickness mm	0.5~3	0.2~1.1

Special density, thickness, shape or grade available on request.
Style of graphite cut gasket:G4000

Reinforced Graphite Sheet with smooth metal **Aiflon 4002**

Data Sheet

CONSTRUCTION:

Gasket sheet **4002**, made of expanded flexible graphite 4000, reinforced by a smooth stainless steel-carrier of 1.4301 (304) or 1.4401 (316), Nickel, 0.05mm thick, graphite content of more than 98 %, graphite bulk density 1.0 g/cm³.

Normal Style: **4002/304**

4002/316

4002/Other metal foil material

APPLICATION :

Made for various gaskets.

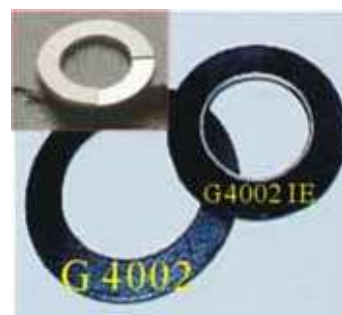
Suitable for Petrochemical, Mining, Vessels, Boilers, Piping and Duct, Pumps and Valves, Flanges,

LIMITS OF APPLICATION :

Temperature: -200... up to 550°C

Pressure: ..up to 200 bar

PH Range: 0 - 14



PROPERTIES :

Permanently elastic, even in hot-cold cycles over the entire temperature range, no aging, no brittleness, no hot or cold flow, long time uniform compressibility and resiliency independent of temperature.

RESISTANCE

TO MEDIA :

steam, mineral oils, heat transfer oils, hydraulic oil, fuel, water, seawater, freshwater etc.

Forms of supply:

Sheets

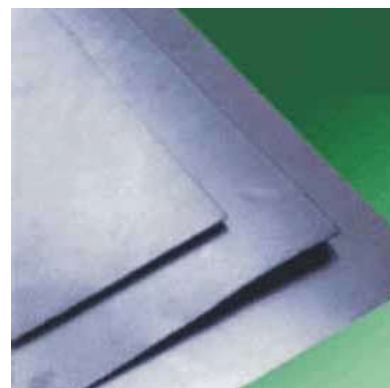
Gasket: G4002

Gasket with inner eyelet

G4002-IE

Gasket with inner & outer eyelets

G4002-IOE



Standards dimension:

1000 x 1000 x 1.0 ; 1.5 ; 2.0 ; 3.0mm

1500 x 1500 x 1.0 ; 1.5 ; 2.0 ; 3.0mm

Gaskets cut to size (full or segment)

Special density, thickness or insert materials available on request.

Reinforced Graphite Sheet with tanged metal **Aiflon 4004**



CONSTRUCTION: Gasket sheet **4004**, made of expanded flexible graphite 4000, reinforced by a tanged (perforated) stainless steel-carrier of 1.4301 (304) or 1.4401(316), 0,1mm thick, graphite content of more then 98 %, graphite bulk density 1.0 g/cm³.

Normal Style: **4004/304**

4004/316

4004/CS (Carbon steel)

4004/Other tanged metal material

APPLICATION :

Made for various gaskets.

Suitable for Petrochemical, Mining, Vessels, Boilers, Piping and Ducting, Pumps and Valves, Flanges,

LIMITS OF APPLICATION :

Temperature: -200... up to 550°C

Pressure: up to 500 bar

PH Range: 0 - 14



PROPERTIES :

Permanently elastic, even in hot-cold cycles over the entire temperature range, no aging, no brittleness, no hot or cold flow, long time uniform compressibility and resiliency independent of temperature.

RESISTANCE TO MEDIA :

steam, mineral oils, heat transfer oils, hydraulic oil, fuel, water, seawater, freshwater etc.

Forms of supply:

Sheets

Gasket: G4004

Gasket with inner eyeletting:

G4004-IE

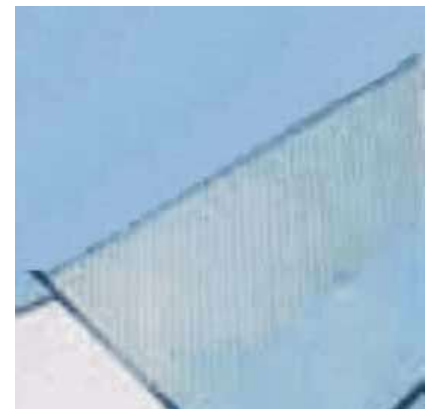
Gasket with inner & outer eyeletting

G4004-IOE

Standards dimension: 1000 x 1000 x1.0 ; 1.5 ; 2.0 ; 3.0mm
1500 x 1500 x1.0 ; 1.5 ; 2.0 ; 3.0mm

Gaskets cut to size (full or segment)

Special density, thickness or insert materials available on request.



Aiflon Resisting Non-asbestos Sheet **AIFLON 4110,4112,4114**



CONSTRUCTION:

Aiflon oil-resisting non-asbestos sheet is made from Kevla fibre, synthetic rubber, filling material and dye, compressed and calendered under high temperature and pressure into a sheet form. It eliminates asbestos-rubber sheet essentially and thoroughly.

PROPERTIES & APPLICATION:

Item		Style		
		4110	4112	4114
Density g/cm ³		1.7~1.9	1.7~1.9	1.7~1.9
Tensile strength ≥Mpa		8	11	12
Compressibility ≥%		12±5	12±5	12±5
Recovery ≥%		45	50	50
Stress relaxation ≤%		45	45	45
20# aviation lub oil for 150℃*5h	Thickness increase ≤	18	15	15
	Weight increase≤	20	16	16
ASTM No.3#-5H 150℃	Thickness increase ≤	20	20	20
	Weight increase≤	18	14	14
Tmax: °C		200	300	350
Pmax: Mpa		2.0	3.0	3.5
Resistance to media		Oil fuel, gases, salt solutions and many other media.		

Available colour: Black with some white, Red or Green-white, etc.

Available with tin steel, copper, SS304 etc. wire mesh insertion (**411*I**)

Also available with anti-stick (**411*S**) or graphite coating (**411*G**)

FORMS OF SUPPLY:

Sheets: Thickness: 0.5~5mm
2000×1500mm; 2000×4000mm; 1500×1500mm;
1500×1000mm; 1270×1270mm; 3810×1270mm

Cut gaskets **G4110/2/4**

Dimensions according to drawings or and standards



Aiflon Rubber Sheet Aiflon 4600-



NBR、SBR、CR、EPDM...

Aiflon Rubber sheets are manufactured for your different requirements such as oil-resisting, acid and alkali-resisting, cold and heat-resisting, insulation, anti-seismic etc. They can cut into various gaskets, used in chemicals, elections, fire-resisting and food. They also can be used as sealer, buffer rubber ring, rubber mat, sealing strip and for the decoration of flights of step and ground of hotel, port boats and ships, vehicles etc.



Style	Products	Color	g/cm ³	Hardness sh	Elongation %	Tensile strength	Temp °C
4600BR	Black rubber sheet	Black	1.6	70±5	250	3.0Mpa	-5~+50
4600RC	Black rubber sheet with cloth insert	Black	1.6	70±5	220	4.0Mpa	-5~+50
4600NBR	Nitrile rubber sheet	Black	1.5	65±5	280	5.0Mpa	-10~+90
4600SBR	Styrene-butadiene rubber sheet	Black/red	1.5	65±5	300	4.5Mpa	-10~+90
4600CR	Neoprene rubber sheet	Black	1.5	60±5	300	4.5Mpa	-10~+90
4600EPDM	Ethylene propylenediene rubber sheet	Black	1.4	65±5	300	8.0Mpa	-20~ +120
4600MUQ	Silicone rubber sheet	White	1.2	50±5	400	8.0Mpa	-30~ +180
4600FPM	Fluorine rubber sheet	Black	2.0 ³	70±5	350	8.0Mpa	-50~ +250
4600RO	Oil-resisting rubber sheet	Black	1.5	65±5	280	5.0Mpa	-10~+60
4600RCH	Cold & heat-resisting rubber sheet	Black	1.6	65±5	280	4.5Mpa	-20~ +120
4600RAA	Acid & alkali-resisting rubber sheet	Black	1.6	65±5	280	4.5Mpa	-10~+80
4600RI	Insulating rubber sheet	Black	1.5	65±5	300	5.0Mpa	-10~+80
4600RFI	Fire-resistance rubber sheet	Black	1.7	65±5	280	4.5Mpa	-5~+60
4600FR	Food grade rubber sheet	Red/white	1.6	60±5	300	6.0Mpa	-5~+50

Width: 1000mm, 1200mm, 1500mm, 2000mm, Length on request,
Normal: 50kg/roll, **Thickness:** 1~60mm;

Each rubber sheet can be reinforced with fabric cloth, thickness≥1.5mm;
More other rubber products are available on request.

Spiral Wound Gasket Aiflon 6000

Data Sheet

CONSTRUCTION:



Aiflon 6000 Spiral-Wound gasket is formed of V-shaped metallic stripe and soft non-metallic filler by means of piled, spiral wound and connected its end and beginning by dot welded. Depend on its excellent compression resilience it is suitable for sealing spots where the alteration of temperature and pressure are frequent. It can be used as the static sealing element of pipe, valve, pump, thermal exchange, condensing tower, plain hole and man hole of flange, etc. It has been widely applied in the fields of petrochemical, mechanical manufactory, power station, metallurgy, shipbuilding, medical and pharmaceutical nuclear power station and navigation, etc.

Please offer the detailed drawing, while the gasket is used in thermal exchanger with some ribs.

APPLICATION:

We can produce according to ASME, BS, JIS and EN(DIN) standards or client request.

Profile	Products	Style	Flange	For example
	Basic type SWG	6000	Tongue and Groove	304/PTFE
	SWG with inner ring	6000 IR	Male and Female	304 304/FG
	SWG with outer ring	6000 OR	Raised face Flat face	304/ASB CS
	SWG with inner & outer rings	6000 IOR		304 304/FG CS
	SWG for heat exchanger	6000 H	Heat exchanger	304/FG with 1 bar of DJ
	Special shape SWG	6000 S	Special	Oval

MATERIAL & STYLE

Style	Structure	Hoop material	Filler material	Inner & outer ring material	Normal thickness mm	
					Gasket	Inner & outer ring
6000	Without rings	304(L);316(L) 321;317L 31803 Monel, Ti,Ni INC Hast.C/B Zr702 etc.	Graphite, PTFE, Asbestos Non-asb Mica, etc	CS, 304(L), 316(L), 321;317L 31803 Ti,Ni INC Hast. Monel, Zr702	3.2	2
6000 IR	With inner ring				4.5 (0.175")	3 (1/8")
6000 OR	With outer ring					
6000 IOR	With inner & outer rings				6.4	4

Color cord as ASME B16.20 on request.

Double Jacketed Gasket Aiflon 6200

Data Sheet

CONSTRUCTION:

Aiflon Double Jacketed Gasket (DJG) is made from graphite, ceramic, non-asbestos etc. filler covered with thin metal jacket, such as stainless steel, carbon steel, copper etc. By their sealing efficiently, provide outstanding resilience, while the metal jacket guarantees excellent sealing and protects the filler against pressure conditions, fluctuating temperatures and corrosion.



6200DJ Double Jacketed Plain Gasket



6200DC Double Jacketed corrugated Gasket

6200H DJG for Heat Exchanger

6200S DJG with Special Shape



Welding bar is economical

APPLICATION:

Aiflon DJG is particularly suitable for sealing flat surfaces of heat exchanges, gas pipes, cast iron flanges, cylinder heads of engines as well as for boilers and other vessels.

By their sealing efficiently, provided by exerting strong pressure on circular rims of the flanges, metal-jacketed gaskets can stand up to 30% deviation from the initial thickness, which is very useful in case of irregular or faulty flange rims. The chemical compatibility of the metal and the medium being sealed should be considered.

MATERIAL:

Metal material	Din Material No.	Hardness HB	Temperature (°C)	Density g/cm ³
CS/Soft Iron	1.1003/1.0038	90~120	-60~500	7.85
SS304, SS304L	1.4301/1.4306	130~180	-250~550	7.9
SS316, SS316L	1.4401/1.4404	130~180	-250~550	7.9
Copper	2.0090	50~80	-250~400	8.9
Aluminium	3.0255	20~30	-250~300	2.73

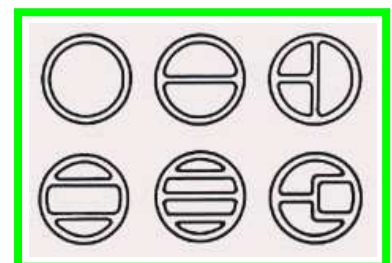
Other special metal Ti, Mon 400 are also available on request.

Materials for the insert:

Flexible Graphite, ASB, Non-asb ceramic fiber, mica etc

DIMENSION:

Outer diameter: Up to 5000mm
Thickness: From 2 to 8mm



Bars no welding is perfect

Aiflon DJG come in sizes according to ANSI B 16.21 and ANSI B 16.5 standard, EN 1514-4, and any sizes you offered.

Ring Joint Gasket Aiflon 6500



CONSTRUCTION:

Aiflon 6500 RJG is machined from solid metal in a variety of shapes and designed for high pressure, high temperature or highly corrosive applications by selecting the most suitable material and shape. It is designed to withstand exceptionally high assembly loads over a small area, thus producing high seating stresses.



6500 PL Plain type RJG

6500 OV Oval type RJG

6500 OC Octagonal type RJG

6500 RX RX type RJG

6500 BX BX type RJG

6500 S Special type RJG



MATERIALS:

Material	Code Sample	Hardness(HB)	T(°C)
Soft Iron	R23 SI	90	530
Carbon Steel	R23 CS	120	530
304(L)、321、316(L)	R23 S304	160	750
5Cr1/2Mo	R23 F5	130	500
Copper for 6500PL		50	400
Aluminium for 6500PL		30	300

DIMENSIONS:

Standards for Ring Joints Gaskets used with flanges		
RJG Style	RJG standard	Flange standard
R	ASME B 16.20 API 6A	ANSI B 16.5 ANSI B 16.47 Series A
RX	ASME B 16.20 API 6A	API 6B
BX	API 6A	API 6BX

Can be ordered according to the detailed drawing

ORDERING EXAMPLE:

Ring Joint Gasket (RJG), Material: SS304
6500 OV-304; API 6A, R30-Oval

Braided Expanded Graphite Tube **Aiflon TU 7004(S), 7004I(S)**



CONSTRUCTION:



Braided Expanded Graphite Tube

Style 7004 is a braided tube, made of expanded graphite yarn, formed into a strip/tape with rectangle and flat section

Style 7004S -----7004 with a self-adhesive-film on one side
For easy fitting

Style 7004I ----- 7004 Reinforced with inconel wire
The Inconel wire reinforcement provides greater mechanical strength.

Style 7004IS -----7004I with a self-adhesive-film
It shows good thermal resistance, chemical resistance and high elasticity.

APPLICATION:

To be used as a **endless gasket-strip** for vessels and flanges of extreme uneven, high temperature and high pressure. Used in Heat-Exchangers, boilers, pipes, doors, covers, ect. Easy handling and installation to every size, also used as a universal-gasket during revisions, ect.

Aiflon 7004 **saves money and time**. Since there is no scrap or waste, it costs less than other gasket materials. By using only a few sizes, large inventories of sheet gasketing and costly precut gaskets can be eliminated. Installation time is kept to a minimum since there are no templates, precutting or special fitting requirements.

FORM OF SUPPLY:

Package	2 kg /roll		
Sizes	12.7 x 3.2 mm;	19 x 4.8 mm;	25.4 x 4.8 mm;
	25.4 x 6.4 mm;	31.8 x 6.4 mm;	38 x 6.4 mm
	Other sizes are also available on request.		

OPERATING LIMITS:

Temperature	-240~ +550° C
PH	0-14
Max. pressure	100 bar (7004, 7004S)
	200 bar (7004I, 7004IS)

ASSEMBLY-INSTRUCTION:



The ends are cutted in half (please see picture), and overlapped.

EPTFE Joint Sealant Tape & Cord **Aiflon TA 7100, CO 7106**



CONSTRUCTION:

TA 7100 Expanded PTFE Joint sealant Tape with self-adhesive

Aiflon TA 7100 is an inorganic sealant for static applications made of 100% PTFE (Teflon). A unique process converts PTFE to a micro-porous fibrous structure, resulting a sealant with an unsurpassed combination of mechanical and chemical properties. It is supplied with a self-adhesive strip for easy fitting.



CO 7106 Expanded PTFE Round Cord

Valve-spindle cord made of pure expanded PTFE, used as valve-spindle and flange seals in the chemical, pharmaceutical and food processing industries. Flanges are sealed quickly and securely by simple insertion of a ring of PTFE round cord (ends twisted).

APPLICATION & PROPERTIES:

Aiflon TA7100 is especially suited for sealing flange connections, pipe systems, hydraulic and pneumatic systems, etc. In addition, it's also ideal for seals in glass, enamel and plastic flanges, vessels and special shaped sealing surface.

Aiflon TA 7100 **saves money and time**. Since there is no scrap or waste, it costs less than other gasket materials. By using only a few sizes, large inventories of sheet gasketing and costly pre-cut gaskets can be eliminated. Installation time is kept to a minimum since there are no templates, pre-cutting or special fitting requirements.

Media: acids, alkalis, solvents, gases, etc.

Temperature -240... up to 260°C
Pressure 100 bar
PH-Value 0 - 14
Density Grade A/B: 0.70/0.80g/cm³
1.0~1.5 g/cm³ on request



DIMENSION:

Width mm	Thick. mm	M/roll	Width mm	Thick. mm	M/roll
1.5	3.0	30	15	5.0	5
3	2.0	30	16	3.0	5
5	2.0	20	16	5.0	5
6	3.0	15	17	5.0	5
7	2.5	15	18	5.0	5
8	3.0	15	20	5.0	5
9	4.0	10	25	5.0	5
10	3.0	10	30	5.0	5
10	4.0	10	40	4.0	5
12	4.0	8	50	3.0	5
14	5.0	5	100	1.0	5

CO7106: ϕ 2~10mm, 5/10/15m/roll

Other sizes including **square section** with size small than 16×16mm, are also available.

(Reinforced) Graphite Gasket

Aiflon G4000~6 (IE/OE/IO)



CONSTRUCTION:

Aiflon (Reinforced) Graphite Gasket is made from graphite as homogeneous, reinforced by metal mesh, foil or tanged metal. It offers excellent sealing capabilities such as thermal stability, self-lubrication, corrosion resistance, without being brittle and aging etc., under extreme conditions with a longer life and less maintenance.



Recommended style is G4004-304, G4004 IO-304

Sheet Style	4000	4002	4004	4006
Sheet Construction				
Without eyelet	G4000	G4002	G4004	G4006
With inner eyelet	G4000 IE	G4002 IE	G4004 IE	G4006 IE
With outer eyelet	G4000 OE	G4002 OE	G4004 OE	G4006 OE
With I & O eyelets	G4000 IO	G4002 IO	G4004 IO	G4006 IO
Insert material	None	SS304、316 etc	SS304、316、CS	CS、304/316
		Foil	Tanged	Mesh
		0.05mm	0.1mm,0.25mm-CS	0.1mm

APPLICATION & PROPERTIES:

Various shapes are available, used in petrochemical, mining, vessels, boilers, piping and duct, pumps and valves, flanges etc. Suitable for steam, mineral oils, heat transfer oils, hydraulic oil, fuel, water, seawater, freshwater etc.

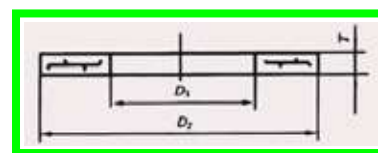
Sheet Style	4000	4002	4004	4006
Compressibility	30%	15~35%	15~35%	15~35%
Recovery	≥10%	≥20%	≥20%	≥20%
Pressure	40bar	200bar	300bar	200bar
Density g/cm ³	0.7; 1.0	1.0	1.0	1.0
Temperature °C	-240~550	-240~550	-240~550	-240~550
PH	0~14	0~14	0~14	0~14

Graphite properties:

Item	Tolerance of density	C≥%	Tensile strength	Sulphur content	Chlorine content	Stress relaxation	Ignition loss
Industrial	±0.06 g/cm ³	98	4 Mpa	<1000ppm	<50ppm	10%	2.0≤%
Nuclear	±0.05 g/cm ³	99.5	5 Mpa	<700ppm	<35ppm	10%	0.5≤%

DIMENSION:

ASME B16.21, DIN2690, and according to your requirement



Order example:

G4004-IO-316, ASME B16.21, RF, 2mm

Made from graphite reinforced with tanged SS316, with SS316 inner & outer eyelets

Dimension is based on ASME B16.21 RF flange, thickness is 2 mm

Injectable Pump & Valve Sealant **Aiflon IJ2000(B, W, Y)**



CONSTRUCTION:



Aiflon IJ2000 Injectable Packing is a carefully controlled blend of high-tech greases and lubricants combined with modern fibers resulting in a superior product. Its malleable consistency makes it easy to use. It can be injected with a high pressure gun or installed by hand. Unlike braided packing, no cutting is necessary. It will conform to any size stuffing box and seal it. Aiflon can offer you three styles for different industry conditions.

Aiflon IJ2000B Black Injectable Packing

Aiflon IJ2000W White Injectable Packing

Aiflon IJ2000Y Yellow Injectable Packing

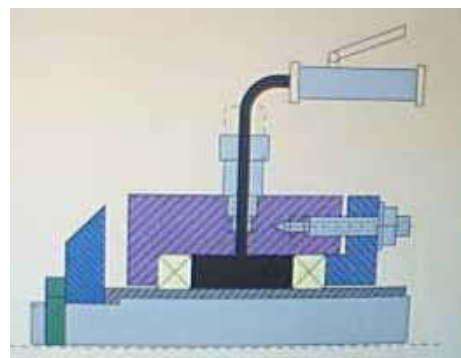
APPLICATION :

IJ2000 unique properties assure superior performance and deliver major benefits resulting in improved plant and equipment maintenance at reduced costs. Its ability to fill any crevice makes it an effective seal on worn or grooved shaft sleeves. It requires no cooling or flush water. The operating costs of wasted water and product are eliminated. It will run leak free. Its low friction coefficient means equipment runs cooler, consumes less energy and last longer.

Highly versatile, IJ2000 is formulated in a variety of styles to meet the conditions found in almost any industry. Style IJ2000W&Y can meet FDA standards for food and potable water applications.

BENEFITS :

- Prevents Leakage
- Lowers operating costs
- Reduces maintenance time and costs
- Saves energy
- Reduces shaft and sleeve wear
- Extends equipment life
- Reduces or eliminates downtime



SERVICE LIMITS:

Style	IJ2000B	IJ2000W	IJ2000Y
Color	Black	White	Yellow
Temperature °C	- 8 ~ + 180	- 18 ~ + 200	- 20 ~ + 230
Pressure Bar	8	10	12
Shaft Speed m/sec	8	10	15
PH range	4~13	2~13	1~14

FORMS OF SUPPLY:

Available in: 3.8L (4.54kgs)/barrel; 10L (12kgs)/barrel

Machines for Cutting Gasket



Style	Specification	Application
	1. Power:380AV, 50HZ, 4KW; 2. L×W×H=1.6×1.4×1.4m; 3. N.W.: appr.2000kgs 4. Speed: 25m/hour, 68 times/min 5. Work range: 400/1000/1500mm 6. Thickness of metal: 0.1~0.25mm	For making tanged metal sheet. It's efficient with double line needle. Change single needles easily, and low cost. Dia. Of needle: Φ1.2mm, Φ1.5, for complex sheet thick.1.2~1.6mm, and 1.5~3.0mm
AM MP-- Metal foil Puncher		
	1. Power:380AV, 50HZ, 5.5 KW; 2. L×W×H=2×1.3×1.6m; 3. N.W.: appr.2500kgs 4. Line Speed: 3~6m/min. 5. Work range: 1000/1500mm 1.0~5.0mm Thick.	To compound graphite, asbestos and non-asbestos etc non-metallic sheet reinforced with tanged or smooth metal foil insertion. Roller Dia.300mm is normal for width 1000mm, and dia.350mm or 400mm for width 1500mm
AM CC--Complex sheet calender		
	1. Power:380AV, 50HZ, 0.8 KW; 2. L×W×H=1.5×0.7×1.1m; 3. N.W.: appr.250kgs 4. Line Speed: 45mm/s 5. Work range: ID 30~2000mm Max. thick. 6mm	To cut non(semi)-metallic round gaskets or segments, inner and outer dia. Is finished synchronously. Especially for making reinforced graphite gasket.
AM GC--Gasket cutter with double Knives		
	1. Power:380AV, 50HZ, 0.5 KW; 2. L×W×H=1.2×0.5×1.2m; 3. N.W.: appr.150kgs 4. Line Speed: 80mm/s 5. Work range:2.0, 3.0, 4.5mm thick. Other thick. On request.	Forming flat metal tape into U profile, is for inner & outer eyelets of non(semi)-metallic gaskets. The sizes of forming can be adjusted from 30mm to 2500mm.
AM ETS--Eyelets metal Tape shaper (Traditional style)		
	1. Power:380AV, 50HZ, 0.8 KW; 2. L×W×H=1.5×0.6×1.2m; 3. N.W.: appr.200kgs 4. Line Speed: Transducer control 5. Work range: 2.0~4.5mm width	Forming flat metal tape into U profile for eyelets of cutting gaskets. The speed can be adjusted. Change moulds, can form V profile for SWG, if need.
AM-MTS--Eyelets metal Tape shaper (Modern style)		

Machines for Spiral wound gasket



Style	Specification	Application
	- Power:380AV, 50HZ, 0.5 KW; $L \times W \times H = 1.2 \times 0.6 \times 1.4\text{m}$; - N.W.: appr.180kgs - Line Speed: 70~240mm/s - Work range: ID 40~2500mm Thick. $\leq 8\text{mm}$	Fixing U profile metal tape to inner or outer border of gasket by roller. The metal eyelets can offer special protection against blowout and chemical attack, also improve seal-ability due to the local higher stress under eyelets.
AM-EW/T--Eyelets Wrapping machine (Traditional Style)		
	- Power:380AV, 50HZ, 0.8KW; $L \times W \times H = 1.2 \times 0.7 \times 1.5\text{m}$; - N.W.: appr.200kgs - Line Speed: 70~240mm/s - Work range: ID 40~2500mm Thick. $\leq 8\text{mm}$	Work principle is same above. but improve the structure and precision of machines, inner and outer eyelets can be finished in same time.
AM-EW/I-- Eyelets Wrapping machine (Improved Style)		
	- Power:220AV, 50HZ, 3 KW; $L \times W \times H = 0.4 \times 0.4 \times 0.4\text{m}$; - N.W.: appr.30kgs - Output : can be adjusted - Work range: 0.15~0.30mm thick.	Pulse Welder for metal foil with thickness 0.15~0.30mm. Design for SWG and reinforced graphite gasket. Can be moved easily.
AM-PWD--Pulse Welder for metal tape		
	- Power:380AV, 50HZ, 1.1 KW; $L \times W \times H = 1.6 \times 0.8 \times 1.6\text{m}$; - N.W.: appr.250kgs - Line Speed: 20~200mm/s - Work range: ID 200~3000mm Thick. 2.5~8mm	For making double jacketed gasket This machine can finish making U profile and then planish metal segment or gaskets with filler and cover board. It needs small rollers /moulds for different sealing width.
AM MJ--Metal Jacketed machine for DJ		



Machines for Spiral wound gasket



Style	Specification	Application
	- Power:380AV, 50HZ, 0.8 KW; $L \times W \times H = 3 \times 0.7 \times 1.6\text{m}$; - N.W.: appr.300kgs - Line Speed: 40mm/s - Work range: 0.4~1.0mm thick. $\leq 300\text{mm}$ width	Cut graphite, PTFE, (Non) asbestos sheet /roll into tape with for filler of SWG with thick. 4.5mm and 3.2mm, Special width on request.
AM NTC-- Non-metal Tape Cutter		
	- Power:380AV, 50HZ, 1.1 KW; $L \times W \times H = 3 \times 0.5 \times 1.6\text{m}$; - N.W.: appr.300kgs - Line Speed: 100mm/s - Work range: 0.15~0.30mm thick. $\leq 100\text{mm}$ width	Cut metal foil into tape for hoop of SWG with thick. 4.5mm and 3.2mm, Other width for eyelets of reinforced graphite gaskets on request.
AM MTC--Metal Tape Cutter		
	- Power:380AV, 50HZ, 1.1 KW; $L \times W \times H = 2.3 \times 0.5 \times 1.6\text{m}$; - N.W.: appr.300kgs - Line Speed: 170mm/s - Work range: 3.2~4.5mm width	Form metal tape into V or W profile for hoop of SWG with thickness 4.5mm and 3.2 mm, other width on request.
AM MTS/T--Metal Tape Shaper (Traditional Style)		
	- Power:380AV, 50HZ, 1.1 KW; $L \times W \times H = 1.5 \times 0.6 \times 1.2\text{m}$; - N.W.: appr.200kgs - Line Speed: Transducer control - Work range: 3.2~4.5mm width	Form metal tape into V or W profile for hoop of SWG with thickness 4.5mm and 3.2 mm, other width on request. The speed can be adjusted. The quality of shaped metal tape is excellent.
AM MTS/M--Metal Tape Shaper (Modern Style)		
	- Power:220AV, 50HZ, 3 KW; $L \times W \times H = 0.4 \times 0.4 \times 0.4\text{m}$; - N.W.: appr.30kgs - Output : can be adjusted - Work range: 0.15~0.30mm thick.	Pulse Welder for metal foil with thickness 0.15~0.30mm. Design for SWG and reinforced graphite gasket. Can be moved easily.
AM-PWD--Pulse Welder for metal tape		

Machines for Spiral wound gasket

Data Sheet

Style	Specification	Application
	- Power:380AV, 50HZ, 1.1 KW; $L \times W \times H = 0.8 \times 0.8 \times 1.6m$; - N.W.: appr.400kgs - Line Speed: 12~400mm/s - Work range: ID 10~350mm Thick. 4.5mm, 3.2mm Other thick. 2.5 & 7.5mm on request.	Can make SWG with or without inner & outer ring, needn't complex molds. Adjust work pressure by weight. Need additional welder.
AM SW/T--Small Winder for SWG (Traditional Style)		
	- Power:380AV, 50HZ, 1.1 KW; $L \times W \times H = 0.8 \times 0.8 \times 1.6m$; - N.W.: appr.400kgs - Line Speed: Transducer control - Work range: ID 10~350mm Thick. 4.5mm, 3.2mm Other thick. 2.5 & 7.5mm on request.	Can make SWG with or without inner & outer ring, needn't complex molds. Work pressure is changed with dia. Size controlled by air pump. Need additional welder.
AM SW/I--Small Winder for SWG (Improved Style)		
	- Power:380AV, 50HZ, 1.5 KW; $L \times W \times H = 1.6 \times 0.8 \times 1.6m$; - N.W.: appr.450kgs - Line Speed: Transducer control - Work range: ID 300~1200mm Thick. 4.5mm, 3.2mm Other thick. 7.5mm on request.	Can make SWG with or without inner & outer ring, needn't complex molds. Work pressure is changed with dia. Size controlled by air pump. Need additional welder.
AM MW--Medium Winder for SWG		
	- Power:380AV, 50HZ, 1.5 KW; $L \times W \times H = 3 \times 2.8 \times 1.2m$; - N.W.: appr.600kgs - Line Speed: Transducer control - Work range: ID 300~2500mm Thick. 4.5mm Other thick. 7.5mm on request.	Can make SWG with or without inner & outer ring, needn't complex molds. Work pressure is changed with dia. Size controlled by air pump. Horizontal style is suitable roomy workshop. Need additional welder.
AM LW/H--Large Winder for SWG (Horizontal Style)		
	- Power:380AV, 50HZ, 1.5 KW; $L \times W \times H = 3 \times 1 \times 2.6m$; - N.W.: appr.600kgs - Line Speed: Transducer control - Work range: ID 300~2500mm Thick. 4.5mm Other thick. 7.5mm on request.	Can make SWG with or without inner & outer ring, needn't complex molds. Work pressure is changed with dia. Size controlled by air pump. Vertical style is suitable small workshop. Need additional welder.
AM LW/V--Large Winder for SWG (Vertical Style)		

Machines for Spiral wound gasket

Data Sheet

Style	Specification	Application
	- Power:380AV, 50HZ, 1.5 KW; $L \times W \times H = 1.6 \times 1.2 \times 1.7\text{m}$; - N.W.: appr.700kgs - Line Speed: Transducer control - Work range: OD 50~500mm Thick. 4.5mm (Normal for ASME B16.20, from 2" to 18", other standard on request)	Can make SWG with or without inner & outer ring, attaching high quality inner size molds. Work pressure is changed with dia. Size controlled by air pump; Automatic work controlled by PC; Automatic weld. Especially for large batch fewer spec.
AM AW--Automatic Winder for SWG		
	- Power:380AV, 50HZ, 2.8 KW; $L \times W \times H = 1 \times 0.9 \times 0.9\text{m}$; - N.W.: appr.350kgs - Line Speed: 50mm/s - Work range: ID 150~4000mm Thick. 2~5mm Width of ring: 5~50mm	Bend metal strip into inner or outer ring of SWG. ★No longer expensive lathes need; ★Utilizing adequately metal material,, no waste; ★No problem for large sizes
AM-RB Metal Ring Bender		
	- Power:380AV, 50HZ, 1.1 KW; $L \times W \times H = 1.2 \times 0.9 \times 2.8\text{m}$; - N.W.: appr.400kgs - Line Speed: 10~45mm/s - Work range: ID 150~4000mm Thick. 2~5mm	Design for making groove of outer ring of SWG, Controlled by air pump. ★No longer expensive lathes need; ★One worker can see after more than 10 machines in same time; ★No problem for large sizes
AM-RG Outer Ring Groover		
	- Power:380AV, 50HZ, 1.1 KW; $L \times W \times H = 1.2 \times 0.9 \times 1.8\text{m}$; - N.W.: appr.400kgs - Line Speed: 10~45mm/s - Work range: ID 150~1200mm Thick. 2~5mm	Design for making angle of inner ring of SWG, Controlled by air pump. ★No longer expensive lathes need; ★One worker can see after more than 10 machines in same time; ★No problem for large sizes
AM-RA Inner Ring Angling machine		

