



Yudu Hairui Sealing and Anti-Corrosion Technology Co.,Ltd.
Dongguan Hairui Industrial Technology Co.,Ltd.



Unity and Friendship
Mutual benefit and Win-win

Pioneering and Innovative
Sustainable Operation



contact us

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SEALING COMPONENT MANUFACTURING

Pump valve fluid seal manufacturer

Provide you with professional system solutions

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ABOUT US



Yudu Hairui Sealing and Anti-corrosion Technology Co., Ltd. was established in September 2011. It is a specialized and new technology enterprise. Drive the development of corporate business by pioneering and innovating the application of high-performance seals and providing solutions for various application scenarios of high-performance seals. The company has been recognized as a technology-based small and medium-sized enterprise, a national high-tech enterprise, and a specialized new technology enterprise. At the same time, it has a branch called Dongguan Hairui Industrial Technology Co., Ltd. The company is headquartered in Shangou Industrial Park, Yudu County, Jiangxi Province. It has a factory covering an area of 20,000 square meters, hundreds of production equipment, and complete production and testing equipment, from raw material formula research and development, selection to mold development, design, processing, production, and after-sales integrated services, and strive to build the industry's leading seal production base. The company is committed to the research and development, production, sales and service of fluoroplastic products and other special engineering plastic products. The products are widely used in petrochemical, biopharmaceutical, electronic appliances, auto parts, machinery, medical equipment, sanitary ware and other industries.

Main products:

1. Pump and valve fluoroplastic products are used in various types of pneumatic diaphragm pumps, diaphragm valves, metering pumps, ball valves, gas valves and other PTFE products. After continuous innovation and improvement of the process, the products have excellent properties such as aging resistance and long life, and are deeply favored by new and old customers.
2. Fluoroplastic finishing products, various types of PTFE compensators, PTFE oil seals, valve seats, pistons and other fluoroplastic products meet the sealing and anti-corrosion needs of various biopharmaceutical, laboratory, petrochemical and other harsh environments.
3. Special engineering plastic processing products such as PEEK, UPE, POM, PP, PA and other special-shaped customized products.
4. Various rubber products such as O-rings, gaskets, waterproof rings and other products made of more than ten kinds of materials such as NBR, FKM/EPDM/SIL/PU.



HONORARY CERTIFICATE



Hairui Sealing and Anticorrosion Technology Co., Ltd. insists on taking scientific and technological innovation as the main body of production, and has made great achievements in the development and application of innovative high-performance seals. Won 22 core technology patents, including four invention patents: PTFE hollow ball processing method; O-ring processing device and method; PTFE diaphragm mixed with glass beads and its preparation method; durable PTFE diaphragm and other four industries Leading invention patent.



APPLICATION AREA



PTFE

Chemical Industry

In the chemical industry, it can be applied to the lining of chemical equipment; lining of pipes, pipe fittings and valves; pumps, heat exchangers, fractionation towers, bellows, sealing gaskets and sealing packing, etc.

Mechanical Field

In the machinery industry, it can be used as mechanical seals, piston rings, rolling bearings, etc. The mechanical dynamic seal or static seal ring made of it can be combined with ceramic rings, high silicon iron rings or hard composite rings to form mechanical seal friction parts.

Electronic and Electrical Fields

In the electronic and electrical industry, it can be used as wires, cable insulation, high-frequency cables, high-precision capacitors, electron tube sockets, various parts and connectors, electronic computer signal line insulation, etc. Such as insulated terminals.

Bathroom Field

It is widely used in the highly wear-resistant and highly lubricated reciprocating moving parts of products in the sanitary ware industry.

Textile Field

Used in the textile industry as anti-stick rollers, reciprocating parts, and PTFE-impregnated conveyor belts.

Medical Instruments

Among medical materials, it can be used as a material for various medical devices and artificial organs by taking advantage of its heat-resistant, water-resistant, and non-toxic properties. The former include sterile filters, beakers, and artificial heart and lung devices, while the latter include artificial blood vessels, hearts, and esophagus.

Product Description

1. Pump Valve Fluoroplastic Products

Valve Seat


Purpose: PTFE ball valve seat is also called valve seat, valve seat sealing ring, etc. It is molded, sintered and machined. It has good chemical stability, corrosion resistance, sealing, high lubrication and non-stickiness, good anti-aging endurance and other properties. It is widely used to seal various types and specifications of ball valves, gas valves and other valves.

Main Technical Indicator

Properties	Unit	Indicator
Apparent Density		
Tensile Strength		
Elongation at Break		

				Thickness
				. 2
				9

Gas Valve Seat

	Size	. 5	16	Thickness
	6 3.	. 214	5 1	6 . 52
2. 417	1. 25	. 7	57.5	
2 "	82.2	2 1	56 6	
53. "	124	728	. 54	
0 1.	559	530	2121	
"	572	2438	. 53	
"				
2 . "				
"				
"				

Non-retention Ball Valve Seat

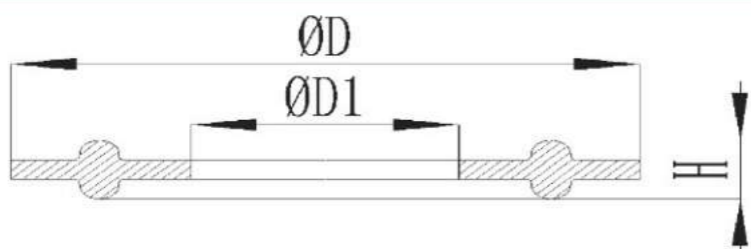
				Thickness

Flange Ball Valve Seat

Clamp Washer

Product Information Reference

Product Name	
Material	
Applicable Medium	
Product process	
Connection Form	
Applicable Fields	food, beverages, beer, health pharmaceuticals, etc.
Operation Temperature	



CLAMP WASHER

aa "				
aa "				
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Hollow ball

1. Purpose: Polytetrafluoroethylene hollow balls are made of unique one-piece seamless technology with smooth surface. The use temperature in various media is 60-150 degrees, which can reduce heat loss, acid mist and air The carbon dioxide and oxygen in the water pollution can maintain water quality, while the center of gravity is stable, the edges overlap, and the coverage effect is good. It is mostly used in fields such as valves and chemical reaction pools.
2. Specifications: Diameter 8MM-100mm.

Product Information Reference

Indicator Name	unit	Numerical Value
Density	-	
Tensile Strength		
Elongation at break		
Shore hardness D	-	
withstanding voltage		


	wall thickness		
m	2		
	3		
PTFE Hollow Ball			

Solid Ball

1. Purpose: PTFE solid balls are made by molding, sintering, turning, polishing and other processes. The surface is smooth and has excellent properties such as low friction, heat and cold resistance, and corrosion resistance. Most commonly used in diaphragm pumps, ball valves or other mechanical seal accessories.
2. Specifications: diameter 5MM-100MM

Indicator Name	Unit	Numerical Value
Density	g/cm ³	2.0-2.3
Tensile Strength	MPa	≥50
Elongation at break	%	≥10
Shore hardness D		70-80
Withstand voltage		≥5KV/mm

PTFE Solid Ball	Regular size (other sizes can be customized)	9	
		16	
		25.5	
		32	



P4A

1. Used in harsh processes
2. Perfect structural design
3. Complete air control system achieves excellent efficiency and low air consumption
4. Integrated diaphragm eliminates leakage and product nesting points
5. Interchangeable spherical and cylindrical check valves.



10 Diameter (mm) 16 25.5 32 45 50 63 70


Characteristic	Interest	Value
Solid block design, machine design	High static weight reduces body vibration. No exposed metal parts.	Can be used in corrosive environments. Improved security. easier to maintain.
Polyethylene or PTFE construction	Polyethylene (PE) excellent chemical wear and corrosion resistance. General chemical corrosion resistance of polytetrafluoroethylene.	Improve durability persistence less maintenance
Consistent interior residential design	Good self-priming ability. Accommodates ball valves or cylinder valves of different materials.	Detects liquid flow. Compatible with a wide range of chemical types. Fully sealed.
Pulsation damper (optional)	No exposed metal parts. Connects directly to the pump, no additional piping required. Available with flange and threaded connections.	Easy to install maintenance free Provides nearly uniform flow Protect pipeline work
Internal drainage system (optional)	Already installed in lateral housing. Allows drainage without requiring disconnection from pipes. Reduces the need for cleaning agents and solvent usage. Product recovery rates for precious liquids.	Valves can be operated manually or pneumatically. Less maintenance required. Virtually eliminates spring residue. Reduce environmental pollution.

Diaphragm


1. Purpose: Polytetrafluoroethylene diaphragms are made of various specifications of diaphragms using imported raw materials from 3M, DuPont, and Daikin with high strength and good toughness, such as molding, turning, and shaping. The diaphragms can be surface-sodiumized according to needs. Bonded and vulcanized with rubber. Mainly used for pressure boosting and decompression diaphragm pumps, diaphragm valves, metering pumps and other equipment.
 2. Specifications.

Main Technical Indicator


Properties	Unit	Numerical Value
Density		
Tensile strength		
Elongation at break		



PTFE Diaphragms Fit for Milton Roy Metering Pumps




PTFE Diaphragms Fit for Graco Air Operated Pumps




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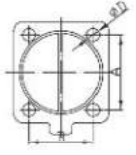
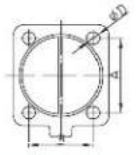
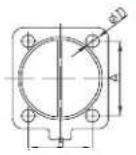
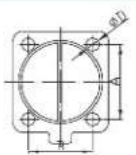
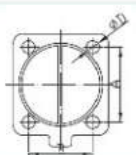
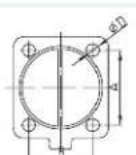
PTFE Diaphragms Fit for INGERSOLL RAND Air Operated Pumps

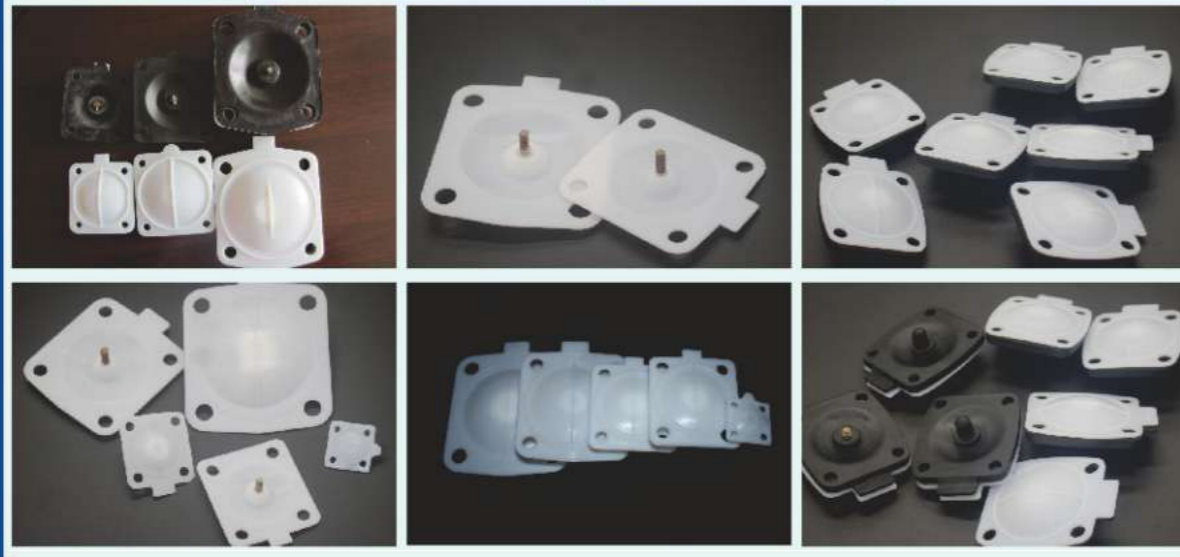


PTFE Diaphragms Fit for SANDPIPER Air Operated Pumps



PTFE Diaphragms Fit for WILDEN Air Operated Pumps

m Valve Dia Pragma Size List Size AB			
Diaphragm Diagram	D 35	. 5	3 4
	4*Ø9	Ø5 ^h 20-25 Pr °du	4*Ø9 c ^t l
	n format	i °n	R ^e fe
	Ø124.Ø1	2 ^d ens	l ^t y g/
	DN65	4*Ø14	B ^e ak
	1	8 ^A	9 ^l . 78
	. 08±	. °71.	5. 2±0



2. Fluoroplastic precision processed products



o-ring

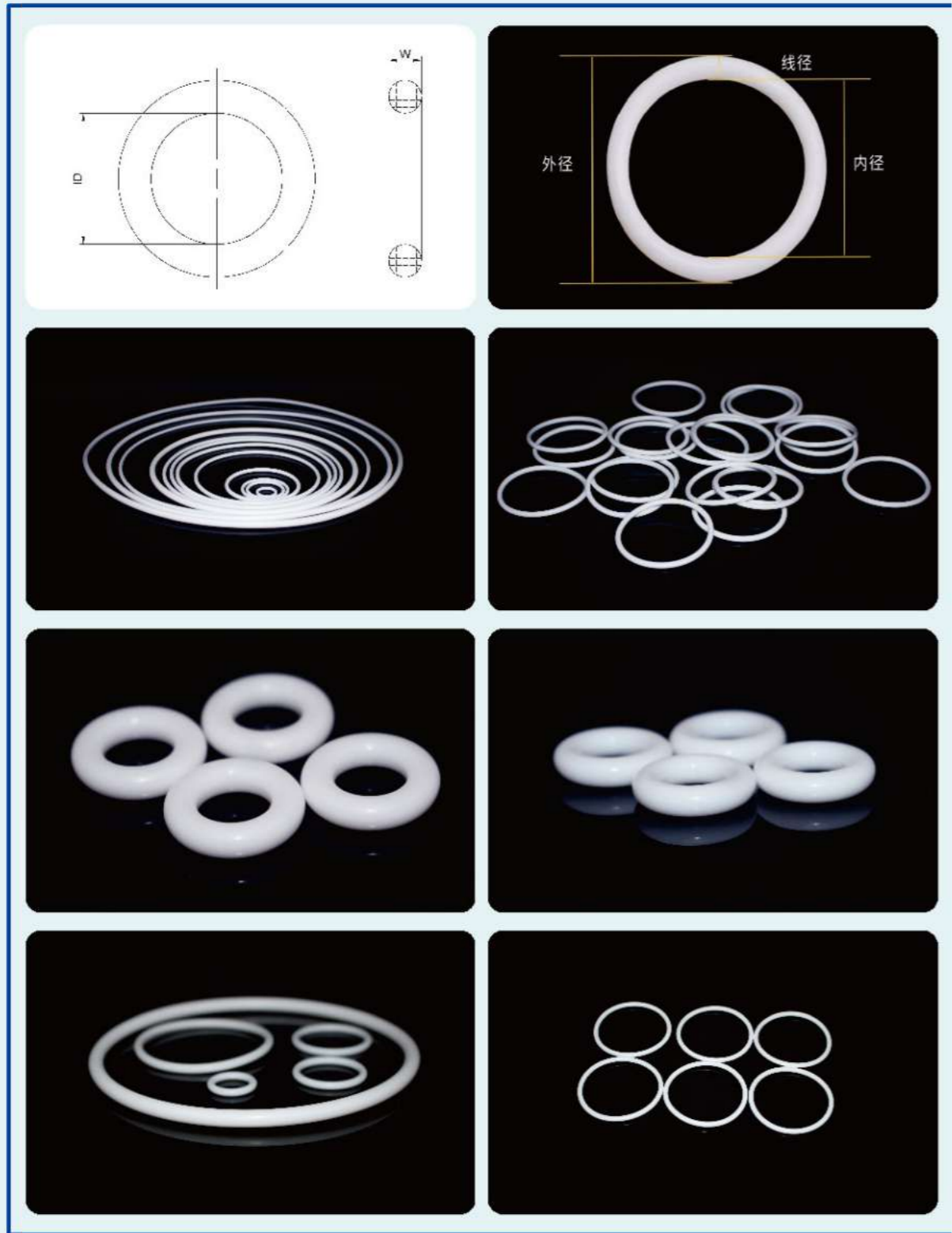
1. Purpose: Polytetrafluoroethylene O-rings are made of unique processing patented technology and have high efficiency and low cost. They also have good sealing performance, corrosion resistance, and temperature resistance. They are widely used in various machinery, cylinders, and bearings. and other fields of sealing materials.
2. Specifications: inner diameter: 5-200mm, outer diameter: 7mm--300mm, wire diameter: 1-20mm.

reference DN 40 4 Ø14 1 DN 50 4

Indicator Name	Unit	Numerical Value
ing d _o	ngal i	o n r a t e
50% 10 18 4 18 DN 8	0 AS	56
±0.08 0.07 0.07 24 2 6 ±	0	. 08±

American, Japanese and metric O-ring wire diameter tolerance table

0. 1 3. 5		JIS series		Metric dimensions	
Wire diameter	Tolerance	Wire diameter	Tolerance	Wire diameter	Tolerance
				1	
				4	



Bellows

1. Purpose: Polytetrafluoroethylene corrugated pipe is made of polytetrafluoroethylene suspended resin molded blank and processed by mechanical turning. It has good telescopic performance and sealing performance and is mostly used for various pipeline connections. It can play a very good role. It has the sealing function of buffering wire diameter, anti-corrosion and temperature resistance, and can be used within -150 --260 .

2. Specifications: Diameter 20mm--200mm, can also be customized according to user needs.

Product Information Reference

Indicator Name	Unit	Numerical value
Density	g/cm ³	2.10-2.30
Tensile Strength		≥15
Elongation at break		



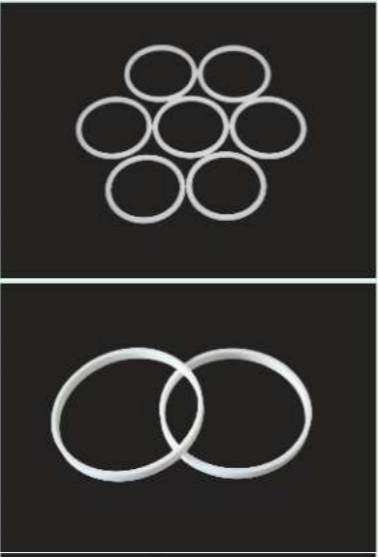
Gasket Washer

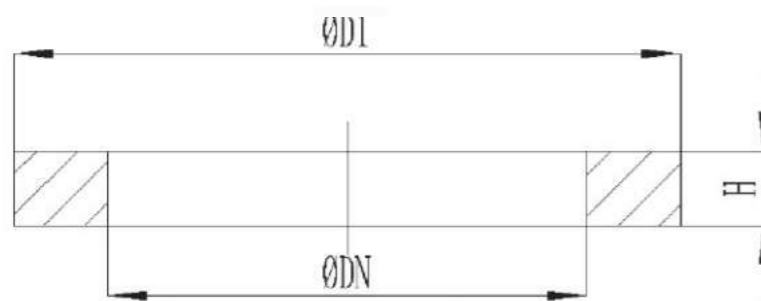
1. Purpose: Polytetrafluoroethylene corrugated pipe is made of polytetrafluoroethylene suspended resin molded blank and processed by mechanical turning. It has good telescopic performance and sealing performance and is mostly used for various pipeline connections. It can play a very good role. It has buffering, anti-corrosion and temperature-resistant sealing functions and can be used within -150 --260 .

2. Specifications: Diameter 20mm--200mm, can also be customized according to user needs.

Product Information Reference

Indicator Name	Unit	Numerical Value
Density	2.3	42.572
Tensile Strength	442	.8
Elongation at break	3	597

specifications	size			
12	.54	1.57	2.2	
18	60.5	.54	.5	
37	.69	3.84	.5	
52	2.5	.54	4.4	
33	43.2	1.25	9.4	
8.	90.0	2.54	4.8	

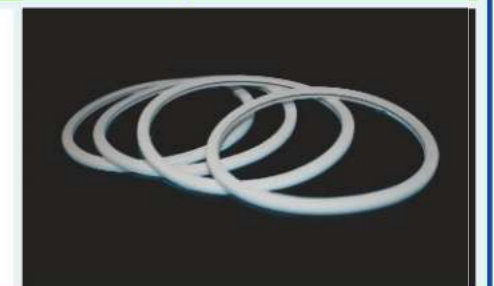
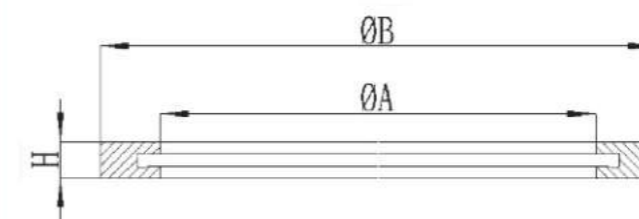


Pan-Sephon

1. Sealing performance is not affected by insufficient lubrication during startup.
2. Effectively reduce wear and reduce friction coefficient.
3. Its chemical corrosion resistance and high and low temperature resistance are better than those of commonly used seals, and its dimensions are stable.
4. The structure is stable and standard spring specifications can be installed, which greatly improves the sealing effect and service life.
5. Different sealing capabilities can be demonstrated by matching different materials with springs.

Product Information Reference

specifications			
1.9	26.54	2.540	pa15
62.8	654.4	534.4	61.5
.	544.3	4.111	97.
25	732.5	41.31	.82
.	618	.980	4.25
.	522.54	1.93	5.12
.	544.58	244.47	23.
5	47.8	0295.2	726
2	.569.9	346.0	713
.1	2.50.	4388.9	230
.9	09.57	2.5416	44.
49	158.91	47.4.	548
9.	2854.	89	204



Laboratory supplies

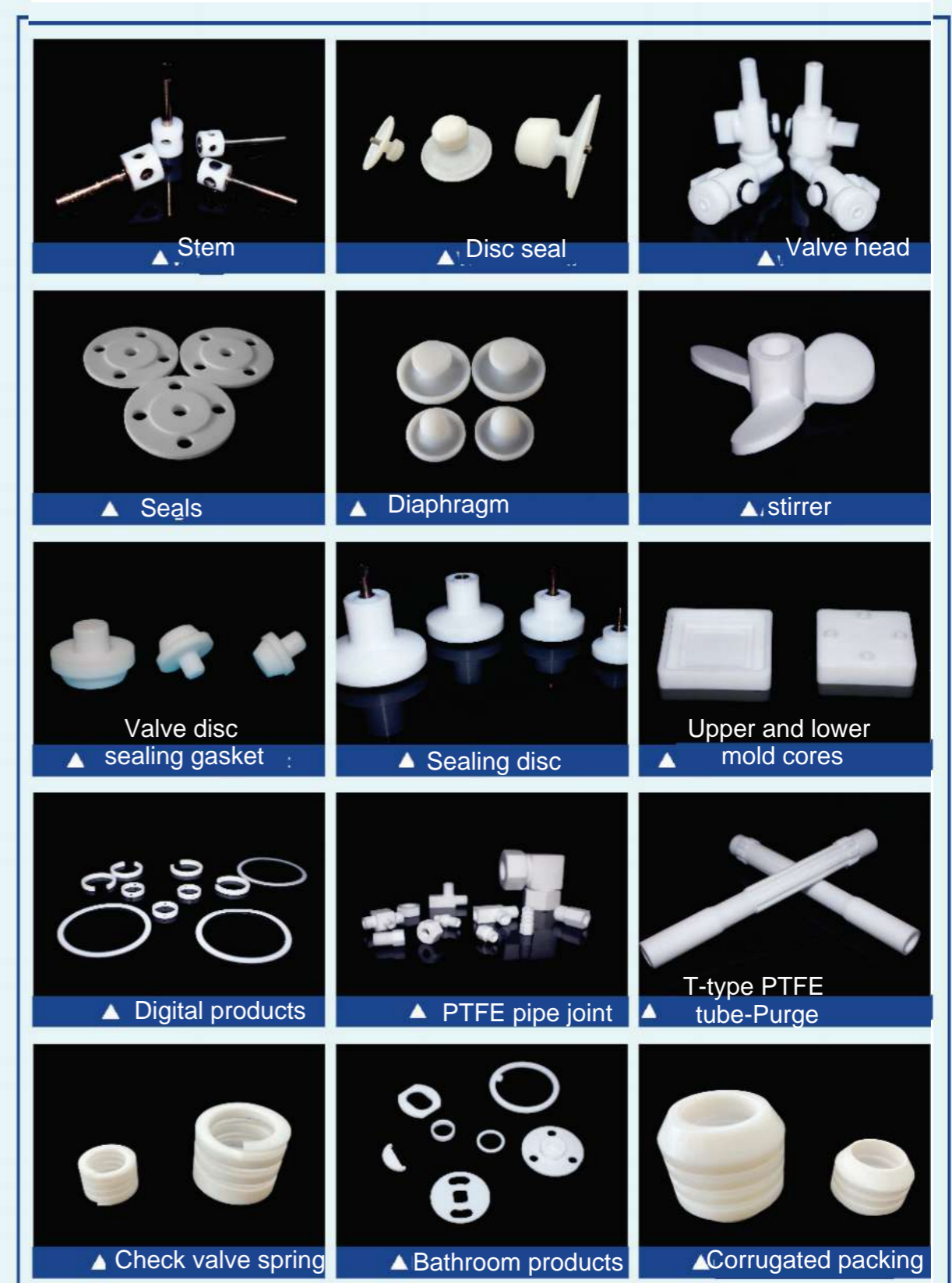
1. Purpose: The PTFE digestion tank is molded and processed using PTFE suspension resin. It is mainly used for various experimental instruments such as biopharmaceuticals and chemical-resistant anti-corrosion materials. It has reliable temperature resistance. Corrosion resistance.
2. Specifications: 20ML--100ML, can also be customized according to user needs.

Product Information Reference

Indicator Name	Unit	Numerical value
Surface density	0-23	1.14~1.5
Temperature		
Water absorption rate		
Non contact -water contact angle	°	



Other Products



3.Engineering plastic products



4.Rubber products

