

"WE CONTROL THE FLOW"

**PTFE Lined
Pipes Fittings**



About Company

Elite Flow Control holds the state of art manufacturing facilities equipped with ultra-modern production equipment and exporting the finest quality Ball Valves, Gate Valves, Globe Valves, Check Valves, Plug Valves, Butterfly Valves according to the specified / applicable manufacturing standards / grades and can be customized customer's requirements/Specification.

We operate on philosophy to provide Immediate Response, Excellent Quality, Quick Delivery and Customer Satisfaction followed by commitment as "What we commit, We deliver" based on this we are having satisfied customers in more than 25 countries throughout the world.

We have stringent Quality Management and Control System to ensure the superior quality of products. All of our products are strictly inspected at each stage of the production process from the Inspection of Raw Material to the finish products. Each order is carried out as per Inspection / Test Plan, Required Specifications and Applicable Manufacturing / Quality Standards.

Our Valves are widely used in following process industry:

- ❖ Chemical
- ❖ Petrochemical
- ❖ Fertilizer
- ❖ Oil & Gas
- ❖ Power Generation
- ❖ Brewing
- ❖ Water Supply Systems
- ❖ Food and Beverage Industry
- ❖ Paper Making Industry

MISSION

Elite Flow Control focused to provide the superior quality products at competitive prices to its customers around the world by utilizing the company's human resources and advanced technology equipment with the strong commitment to R&D, Health, Safety, Environment and company's core values.

VISION

To make our brand "the first choice of customers.

CORE VALUES

The core values of our company guide and drive our business to achieve our mission and a step ahead towards our vision.

Quality: It is our primary focus to produce and deliver superior quality products. Commitment: What we commit, we deliver.

Team Work: We believe on team work which is the most important element to accomplish the set objective.

Customer Satisfaction: To achieve customer satisfaction with our Quality, Commitment and Teamwork



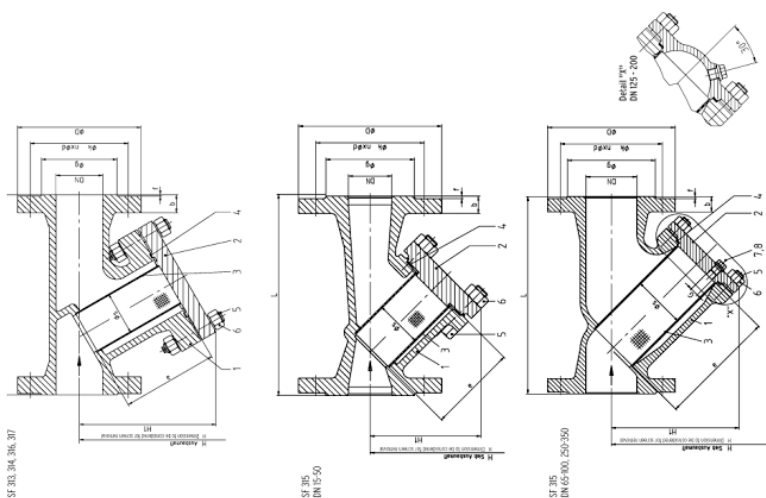
Y Type Strainer for Chemical Industry

Technical Specification

Design and Manufacture Standard: ASME B16.34, HG/T 3704

Flange Standard: ASME B 16.5 ,GB/T 9119 ,DIN ,JIS

Inspection and Testing: API 598, GB/T 13927



Product Specification

Body Material	WCB, ASTM A395 , CF8 ,CF8M
Lining Material	PTFE , PFA , PO ,FEP
Screen Material	PTFE
Nominal Diameter	1/2"-14"(DN15~DN350)
Pressure Range	Class150 , PN10 , PN16

Size: Dn15~250

Material: Carbon Steel

Transport Package: Plywood

Size: Dn15~250

Material: Carbon Steel

Transport Package: Plywood

Origin: Wenzhou

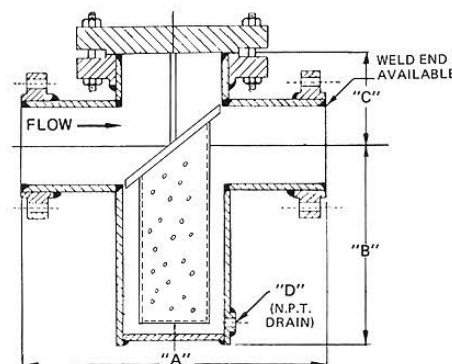
Medium: Corrosion Medium

Specification: CE, SGS, TS

HS Code: 8421299090

Basket Type Strainer PFA Lined for Chemical

- Elite lined strainer is the corrosion resistant equipment that used in a variety of corrosive services for the removal of debris from the pipeline or solid particles from the media.
- The unique design allows the strainer to be easily removed for cleaning or replacement. Impurity substance stops at PTFE screen so that the purity flow can go through the strainer. After a period of time, take out the dismountable filter screen tub, and it can be reassembled after cleaning. Therefore it is easy maintenance.
- Elite has various filter structure design with replaceable filter parts, and standard flange connection.
- 4. Screen size of Elite lined strainer ranges from 16 to 100 meshes, and 16 meshes as standard.
- By far the lined strainer is widely used in petroleum, chemical pharmaceutical and environmental protection industries. It can not only enlarge the lifespan of pump and other equipment, but also ensure the safety of the complete system. Lined strainer becomes the indispensable equipment for industrial production.



Body Material	WCB, ASTM A395 , CF8 ,CF8M
Lining Material	PTFE , PFA , PO ,FEP
Screen Material	PTFE
Nominal Diameter	1/2"-14"(DN15~DN350)
Pressure Range	Class150 , PN10 , PN16

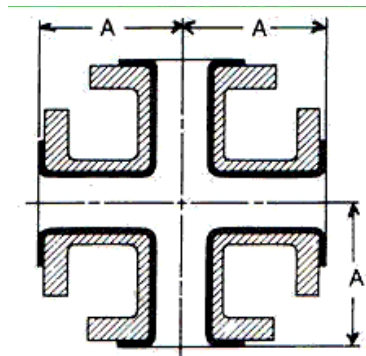
Model NO.: GL41PFA
Liner: PFA
Flange Standard: Asme B16.5
Transport Package: Plywood Case

Body Material: Wcb + PFA
Temperature: -20~180

Specification: CE, ISO9001, SGS, TS

PTFE Lined Pipe Fittings for Gas Oil

- Elite manufactures lined pipe and fittings by use compression molding, isostatic molding, injection molding, transfer molding, hot rotomolding, ram/paste extrusion, 3D rotational molding etc. Characters as below:
2. Working temperature is high at the range of -29oC-200oC; Except the molten alkali metals, element fluorine and aromatic hydrocarbon, lined products can be used in any chemical medium.
- Vacuum resistance. In the range of -29oC-150oC, it is applicable for vacuum condition. In chemical production, the vacuum condition occurs due to cooling, longitudinal emissions, or medium backflow.
- High-pressure resistance. Within temperature working condition, it can sustain the working pressure of 3.0MPa.
5. Resistance to penetration. Adapt the high-quality PTFE, to make it of high density and enough thickness after advanced lining processing, make it excellent anti-osmosis.
- PTFE advanced lining molding process achieved the status of synchronous hot expansion or cold shrinkage for steel components and fluorine plastic.



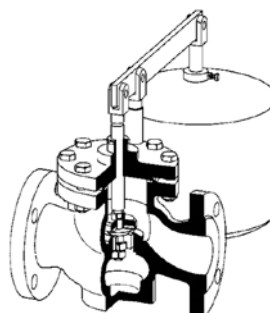
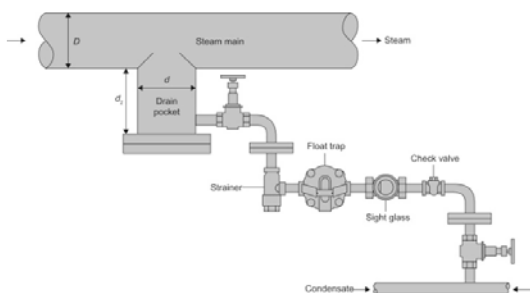
Pipe Material	ASTM A106
Lining Material	PTFE, PO, PE, PP
Flange Material	SS304, SS304L, SS316, SS316L, ASTM A3
Nominal Diameter	NPS 1-24
Pressure Range	150lb 300lb JIS 10k, DIS
Connection Type	Flange connection

Model NO.: 150LB
Structure: Vertical
Material: Carbon Steel
Diameter: Dn25~600

Connection: Flange
Flexible or Rigid: Flexible
Standard: Standard
Materials: Wpb+PTFE
Specification: TS, CE, SGS

Straight Way Sight Glass for Chemical Pipeline

- Elite lined sight glass provides reliable and safe visual indication of fluid flow on any corrosive service. Safe and shatter-proof, each window consists of two tempered lime glasses cemented together by a proprietary adhesive.
- Easy visual quality control and inspection. Fluid flow can be viewed from either top or bottom.
- No product retention when installed vertically.
- Elite lined sight glass can be widely used in corrosive services in chemical and petrochemical plants, pharmaceutical plants, and food and beverage processing.



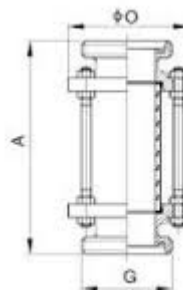
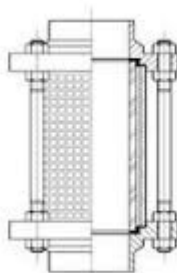
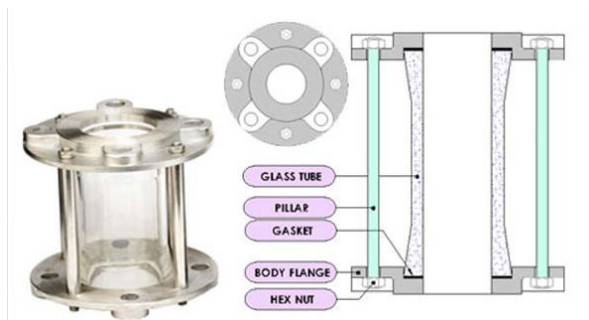
Body Material	WCB, ASTM A395 , CF8 ,CF8M
Lining Material	PTFE , PFA , PO ,FEP
Nominal Diameter	1/2"-10"(DN15~DN250)
Pressure Range	Class150 , PN10 , PN16

Model NO.: SGPFA-150LB
Kind: Natural Compensator
Head Code: Round
Surface Treatment: Epoxy
Certification: CE
Application: Chemical
Materials: Wcb+PFA

Connection: Flange
Type: Horizontal
Material: Carbon Steel
Customized: Customized
Warranty: 12 Months
Size: Dn25~500
Pressure: 150lb
Specification: CE, SGS, TS

PTFE lined Sight Glass for oil pipeline

- Elite lined sight glass provides reliable and safe visual indication of fluid flow on any corrosive service. Safe and shatter-proof, each window consists of two tempered lime glasses cemented together by a proprietary adhesive.
- Easy visual quality control and inspection. Fluid flow can be viewed from either top or bottom.
- No product retention when installed vertically.
- Elite lined sight glass can be widely used in corrosive services in chemical and petrochemical plants, pharmaceutical plants, and food and beverage processing.



Body Material	WCB, ASTM A395 , CF8 ,CF8M
Lining Material	PTFE , PFA , PO ,FEP
Nominal Diameter	1/2"-10"(DN15~DN250)
Pressure Range	Class150 , PN10 , PN16

Model NO.: SGPFA-150LB
Material: Carbon Steel
Body Material: Wcb+PFA

Connection: Flange
Diameter: Dn25~500
Treatment: Epoxy Painting
Transport Package: Plywood Case

Specification: TS, CE, SGS

Teflon Lined Unequal Tee Chemical Pipe

- Elite manufactures lined pipe and fittings by use compression molding, isostatic molding, injection molding, transfer molding, hot rotomolding, ram/paste extrusion, 3D rotational molding etc. Characters as below:
- Working temperature is high at the range of -29oC-200oC; except the molten alkali metals, element fluorine and aromatic hydrocarbon, lined products can be used in any chemical medium.
- Vacuum resistance. In the range of -29oC-150oC, it is applicable for vacuum condition. In chemical production, the vacuum condition occurs due to cooling, longitudinal emissions, or medium backflow.
- High-pressure resistance. Within temperature working condition, it can sustain the working pressure of 3.0MPa.
- Resistance to penetration. Adapt the high-quality PTFE, to make it of high density and enough thickness after advanced lining processing, make it excellent anti-osmosis.
- PTFE advanced lining molding process achieved the status of synchronous hot expansion or cold shrinkage for steel components and fluorine plastic.
- Elite adopts the standard size according to HG, GB, DIN, ANSI, and JIS etc., which improves interchangeability, to provide convenience for installation.
- Specific gravity: 2.14-2.19g/cm³ as per ASTM D 792 test standard.
- Tensile rate: 20.7Mpa minimum as per ASTM D 638 test standard
- Elongation rate: 250% minimum as per ASTM D 638 test standard.
- Manufacture standard: ASTM D 4895. Operating in vacuum condition within 150oC.



Pipe Material	ASTM A106
Lining Material	PTFE,PO,PE,PP
Flange Material	SS304,SS304L,SS316,SS316L,ASTM A3
Nominal Diameter	NPS 1-24
Pressure Range	150lb 300lb JIS 10k,DIS
Connection Type	Flange Connection

Type: Equal
Material: Carbon Steel
Lateral: 90°Tee
Finish: Anti Rust Oil
Standard: ANSI
Size: Dn25~600
Medium: Corrosion Medium

Transport Package: Plywood
Connection: Flange
Shape: Equal Tee
Head Code: Round
Technics: Casting
Certification: CE
Materials: Wcb+PTFE

PTFE Lined Concentric Reducer

- Elite manufactures lined pipe and fittings by use compression molding, isostatic molding, injection molding, transfer molding, hot rotomolding, ram/paste extrusion, 3D rotational molding etc. Characters as below:
- Working temperature is high at the range of -29oC-200oC; except the molten alkali metals, element fluorine and aromatic hydrocarbon, lined products can be used in any chemical medium.
- Vacuum resistance. In the range of -29oC-150oC, it is applicable for vacuum condition. In chemical production, the vacuum condition occurs due to cooling, longitudinal emissions, or medium backflow.
- High-pressure resistance. Within temperature working condition, it can sustain the working pressure of 3.0MPa.
- Resistance to penetration. Adapt the high-quality PTFE, to make it of high density and enough thickness after advanced lining processing, make it excellent anti-osmosis.
- PTFE advanced lining molding process achieved the status of synchronous hot expansion or cold shrinkage for steel components and fluorine plastic.
- Elite adopts the standard size according to HG, GB, DIN, ANSI, and JIS etc., which improves interchangeability, to provide convenience for installation.
- Specific gravity: 2.14-2.19g/cm³ as per ASTM D 792 test standard
- Tensile rate: 20.7Mpa minimum as per ASTM D 638 test standard
- Elongation rate: 250% minimum as per ASTM D 638 test standard.
- Manufacture standard: ASTM D 4895. Operating in vacuum condition within 150oC.



Pipe Material	ASTM A106
Lining Material	PTFE,PO,PE,PP
Flange Material	SS304,SS304L,SS316,SS316L,ASTM A3
Nominal Diameter	NPS 1-24
Pressure Range	150lb 300lb JIS 10k,DIS
Connection Type	Flange Connection

Model NO.: ECRF4-150LB
Material: Carbon Steel
Standards: Hg/T2437
Diameter: Dn25~600
Pressure: Vacuum
Transport Package: Plywood Case

Type: Concentric
Technics: Casting
Customized: Customized
Body Material: Wpb+PTFE
Specification: CE, SGS, TS

Teflon Lined Eccentric Reducer Pipe

- Elite manufactures lined pipe and fittings by use compression molding, isostatic molding, injection molding, transfer molding, hot rotomolding, ram/paste extrusion, 3D rotational molding etc. Characters as below:
- Working temperature is high at the range of -29oC-200oC; except the molten alkali metals, element fluorine and aromatic hydrocarbon, lined products can be used in any chemical medium.
- Vacuum resistance. In the range of -29oC-150oC, it is applicable for vacuum condition. In chemical production, the vacuum condition occurs due to cooling, longitudinal emissions, or medium backflow.
- High-pressure resistance. Within temperature working condition, it can sustain the working pressure of 3.0MPa.
- Resistance to penetration. Adapt the high-quality PTFE, to make it of high density and enough thickness after advanced lining processing, make it excellent anti-osmosis.
- PTFE advanced lining molding process achieved the status of synchronous hot expansion or cold shrinkage for steel components and fluorine plastic.
- Elite adopts the standard size according to HG, GB, DIN, ANSI, and JIS etc., which improves interchangeability, to provide convenience for installation.
- Specific gravity: 2.14-2.19g/cm³ as per ASTM D 792 test standard.
- Tensile rate: 20.7Mpa minimum as per ASTM D 638 test standard
- Elongation rate: 250% minimum as per ASTM D 638 test standard.
- Manufacture standard: ASTM D 4895. Operating in vacuum condition within 150oC.



Pipe Material	ASTM A106
Lining Material	PTFE,PO,PE,PP
Flange Material	SS304,SS304L,SS316,SS316L,ASTM A3
Nominal Diameter	NPS 1-24
Pressure Range	150lb 300lb JIS 10k,DIS
Connection Type	Flange Connection

Material: Carbon Steel
Standards: Hg/T2437
Size: Dn25~600
Model: Eccentric Reducer
Transport Package: Plywood

Type: Eccentric
Technics: Casting
Customized: Customized
Materials: Smls+PTFE

Specification: CE, SGS, TS

Instrument Tee with PTFE Lined for Pharmaceutical

- Elite manufactures lined pipe and fittings by use compression molding, isostatic molding, injection molding, transfer molding, hot rotomolding, ram/paste extrusion, 3D rotational molding etc. Characters as below:
- Working temperature is high at the range of -29°C-200°C; except the molten alkali metals, element fluorine and aromatic hydrocarbon, lined products can be used in any chemical medium.
- Vacuum resistance. In the range of -29°C-150°C, it is applicable for vacuum condition. In chemical production, the vacuum condition occurs due to cooling, longitudinal emissions, or medium backflow.
- High-pressure resistance. Within temperature working condition, it can sustain the working pressure of 3.0MPa.
- Resistance to penetration. Adapt the high-quality PTFE, to make it of high density and enough thickness after advanced lining processing, make it excellent anti-osmosis.
- PTFE advanced lining molding process achieved the status of synchronous hot expansion or cold shrinkage for steel components and fluorine plastic.
- Elite adopts the standard size according to HG, GB, DIN, ANSI, and JIS etc., which improves interchangeability, to provide convenience for installation.
- Specific gravity: 2.14-2.19g/cm³ as per ASTM D 792 test standard.
- Tensile rate: 20.7Mpa minimum as per ASTM D 638 test standard
- Elongation rate: 250% minimum as per ASTM D 638 test standard.
- Manufacture standard: ASTM D 4895. Operating in vacuum condition within 150°C.



Pipe Material	ASTM A106
Lining Material	PTFE,PO,PE,PP
Flange Material	SS304,SS304L,SS316,SS316L,ASTM A3
Nominal Diameter	NPS 1-24
Pressure Range	150lb 300lb JIS 10k,DIS
Connection Type	Flange Connection

Material: Carbon Steel
Standards: Hg/T2437
Size: Dn25~600
Model: Eccentric Reducer
Transport Package: Plywood

Type: Eccentric
Technics: Casting
Customized: Customized
Materials: Smls+PTFE

Specification: CE, SGS, TS

Chemical PTFE Lined Elbow 90 Degree

Technical Specification

Design and Manufacture Standard: ASTM F 1545, HG/T 21562

Flange Standard: ASME B 16.5 ,HG/T 20592,DIN,JIS

Inspection & Testing: ASTM F 1545

Product Specification

Body Material: A105 , SS304 , SS316 , SS316L

Lining Material: PTFE ,PFA ,PO

Nominal Diameter: 1"~24"(DN25~DN600)

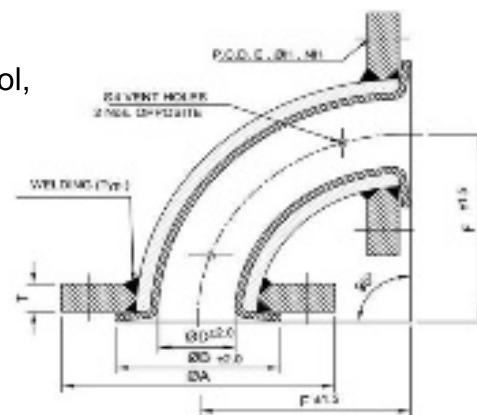
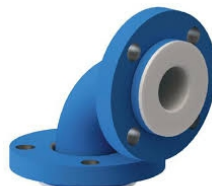
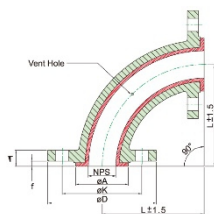
Pressure Range: Class 150 , PN10 ,PN16



We are manufacturer specializing in:

1. PTFE/PFA/FEP/PO/PVDF Lined Valve(Including butterfly valve, ball valve, gate valve, check valve, globe valve, diaphragm valve, plug valve etc.)

2. PTFE/FEP/PFA/PO Lined Pipe and Pipe Fitting (Including Spool, Elbow, Tee, Cross, Reducer, Instrument Connector, Blind Flange, Strainer, Sight Glass etc).



Body Material	A105 , SS304 , SS316 , SS316L
Lining Material	PTFE ,PFA ,PO
Nominal Diameter	1"~24"(DN25~DN600)
Pressure Range	Class 150 , PN10 ,PN16

Connection: Flange
Head Code: Round
Wall Thickness: Sch40
Technics: Casting
Connector: Flange
Liner: PTFE
Specification: DN25~600

Shape: Equal
Angle: 90 Degree
Material: Carbon Steel
Certification: ASME, GB
Size: Dn25~600
Materials: Carbon Steel
Medium: Corrosion Medium
Transport Package: Plywood Case

PTFE Lined Pipe (SPOOL) Flange Straight Pipe

PTFE lined pipes with shortest lengths are around 100mm depending upon nominal bore and the longest lengths is 6 meters for up to DN150 and 3 meters above this. Generally constructed from carbon steel pipe, and stainless steel is also popular for dangerous access area where there is the potential for external corrosion.

Technical Specification

Design and Manufacture Standard: ASTM F 1545, HG/T 21562

Flange Standard: ASME B 16.5 ,HG/T 20592,DIN,JIS

Inspection & Testing :ASTM F 1545

- Elite manufactures lined pipe and fittings by use compression molding, isostatic molding, injection molding, transfer molding, hot rotomolding, ram/paste extrusion, 3D rotational molding etc. Characters as below:
- Working temperature is high at the range of -29oC-200oC; except the molten alkali metals, element fluorine and aromatic hydrocarbon, lined products can be used in any chemical medium.
- Vacuum resistance. In the range of -29oC-150oC, it is applicable for vacuum condition. In chemical production, the vacuum condition occurs due to cooling, longitudinal emissions, or medium backflow.
- High-pressure resistance. Within temperature working condition, it can sustain the working pressure of 3.0MPa.
- Resistance to penetration. Adapt the high-quality PTFE, to make it of high density and enough thickness after advanced lining processing, make it excellent anti-osmosis.



Body Material	A105 , SS304 , SS316 , SS316L
Lining Material	PTFE ,PFA ,PO
Nominal Diameter	1"~24"(DN25~DN600)
Pressure Range	Class 150 , PN10 ,PN16

Type: Seamless
Material: Carbon Steel
Usage: Oil/Gas Drilling,
Food/Beverage/Dairy Products, Chemical
Industry
Size: Dn25~600
Specification: CE, SGS, TS

Technique: Extruded
Surface Treatment: Copper Coated
Section Shape: Round
Liner: CS+PTFE
Transport Package: Plywood

Strainer

Pipe Fittings

Sight Glass

lined Sight Glass

Lined Pipe

Lined Unequal Tee

Concentric Reducer

Eccentric Reducer

Instrument Tee

Elbow 90 Degree



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