



**ANTI-CORROSIVE &  
ANTI-ABRASIVE EXPERT**



Any company interested in becoming a YFM distributor/agent/  
representative, welcome to contact us.

**CHINA·YOUFUMI VALVE & PIPE CO.,LTD.**

**Headquarters:** NO.1-1Qianjie Street High-tech Zone Longwan District  
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Fuding City Fujian Province China

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**Http://**www.youfumi.com



**PRODUCT MANUAL**



TS2710072-2014  
TS2710076-2014



Since  
**1989**

**HISTORY**

## 1989



YOUFUMI, founded in Wenzhou China in 1989 by Mr. Xiaoyou Zhu, is a high-tech enterprise specialised in the manufacture of corrosive resistant products for industrial applications. Youfumi is an ISO 9001:2008 approved company and all the products are CE, PED, TS marked where required. Youfumi also conducts 100% quality control tests on all incoming materials to ensure the constant quality and zero defect of its products.

## 2004



The production base was built in Fujian in 2004, which cover an area of 60,000 m<sup>2</sup> with an annual output of 160,000 pieces. With continues new product development, Youfumi quickly became one of the largest and the most professional manufacturer of corrosive resistant products in industrial applications, and awarded as national high-tech enterprise.

## 2011



The new headquarters was established in Wenzhou High-tech Zone in 2011. Align with several colleges and universities, scientific research institutions and national R&D projects, Youfumi made an outstanding contribution to the technical innovation. The product range now expands to include valves, pipes, fittings and vessels etc. that lined with PTFE, PFA, FEP and PP, PO that meet the requirements of all recognized international standards.

## 2015



The new factory for ceramic valve and pipe is building, covering more than 7000 sq m.

公司欢迎您！浙江有氟密阀门



CUSTOMER



We are committed to providing the highest level of customer satisfaction through high quality products as well as prompt and reliable service.







STRATEGY

Youfumi's value is continuous innovation, **developing new products and solutions according to customer requirements** with reliable quality and **promptly service** to save customer costs.



RESEARCH & DEVELOPMENT

CREATIVE RELIABLE SAFE







QUALITY CONTROL



TO BE THE **NO.1**  
MANUFACTURER OF ANTI-CORROSIVE & ANTI-ABRASIVE VALVE & PIPE

CREATING GOOD PRODUCTS WITH  
NEW TECHNOLOGIES





# 泵阀管性能测试中心

YOUFUMI PUMP&VALVES

勤於精業

泵阀之星 · 有氟密公司欢迎您

TFM 中华泵阀之星 · 有氟密公司欢迎您

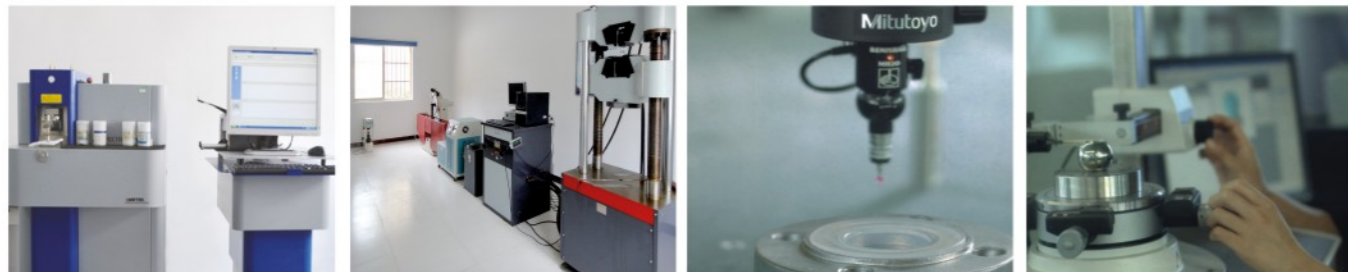
TFM 中华泵阀之星

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TFM 中华泵阀之星



INSPECTION & TEST







WAREHOUSE

Youfumi always have  
an **extensive stock** for  
all kinds of regular  
products to ensure  
the **best delivery time**.







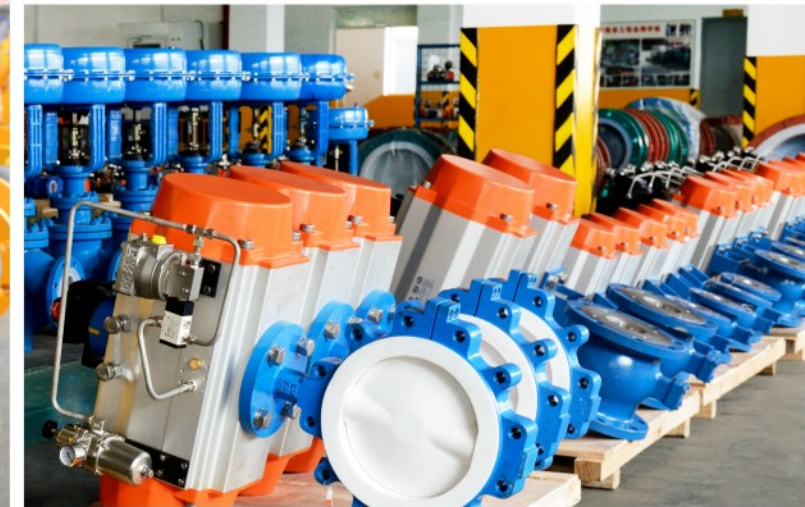
Youfumi's goal is insisting serving our customer by providing outstanding products with consistent and superior quality.



VIEW

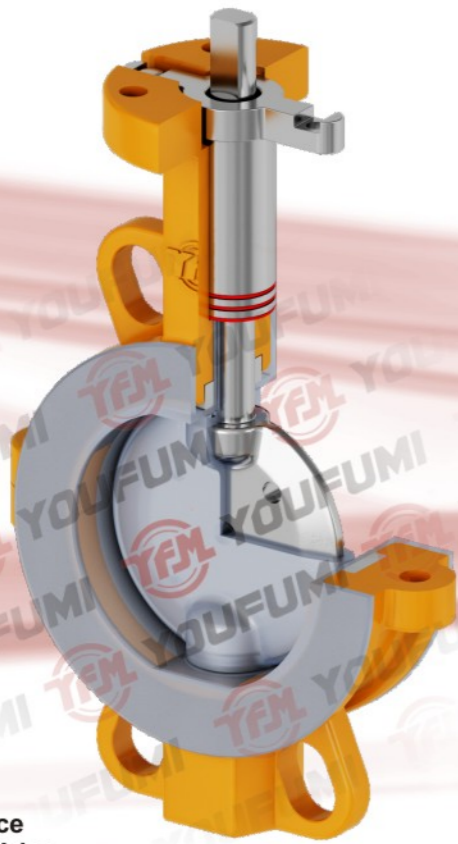
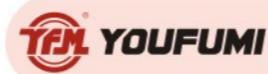


# Corrosion Resistant Valves &





# Lined Butterfly Valve



**High Performance Lined Butterfly Valve**

Patent No.: ZL201420018183.5  
ZL201430041568.9



**Fully PTFE Lined Butterfly Valve**

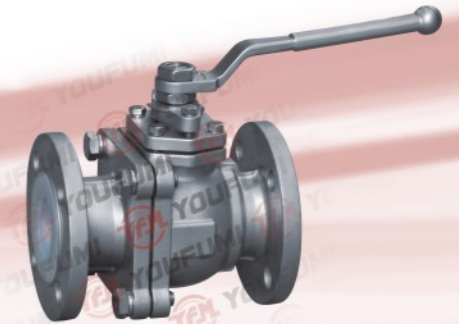
Nominal Diameter: DN50~DN500(2"~20")  
Pressure Range: PN6, PN10, PN16, PN25, 150LB  
Body Material: WCB, CF8, CF8M  
Lining Material: PTFE  
Design & Manufacture Standard: HG/T 3704  
Face to face: GB/T 12221, ASME B16.10  
Flange Standard: GB/T 9119, ASME B16.5  
Connection Type: Wafer, Flange, Lug  
Operation Method: Manual, Worm gear, Electric, Pneumatic actuator  
Inspection & Testing: GB/T 13927, API 598

# Lined Ball Valve



**PFA Lined Midsplit Ball Valve Pneumatic Operated**

Patent No.: ZL201420018107.4



**PFA Lined Silicon Casting Ball Valve**

Nominal Diameter: DN15~DN200(1/2"~8")  
Pressure Range: PN6, PN10, PN16, PN25, 150LB  
Body Material: WCB, CF8, CF8M  
Lining Material: FEP, PTFE, PFA, GXPO  
Design & Manufacture Standard: HG/T 3704  
Face to face: GB/T 12221, ASME B16.10  
Flange Standard: GB/T 9119, ASME B16.5, JIS B2220  
Connection Type: Flange  
Operation Method: Manual, Worm gear, Electric, Pneumatic actuator  
Inspection & Testing: GB/T 13927, API 598



**Half PTFE Lined Butterfly Valve**

Nominal Diameter: DN50~DN800(2"~32")  
Pressure Range: PN6, PN10, PN16, PN25, 150LB  
Body Material: WCB, CF8, CF8M  
Design & Manufacture Standard: HG/T 3704  
Face to face: GB/T 12221, ASME B16.10  
Flange Standard: GB/T 9119, ASME B16.5  
Connection Type: Wafer, Flange, Lug  
Operation Method: Manual, Worm gear, Electric, Pneumatic actuator  
Inspection & Testing: GB/T 13927, API 598



**Lined Flange Type Butterfly Valve**

Nominal Diameter: DN50~DN2000(2"~80")  
Pressure Range: PN6, PN10, PN16, PN25, 150LB  
Body Material: WCB, CF8, CF8M  
Lining Material: FEP, PTFE, PFA, GXPO, EPDM  
Design & Manufacture Standard: HG/T 3704  
Face to face: GB/T 12221, ASME B16.10  
Flange Standard: GB/T 9119, ASME B16.5  
Connection Type: Wafer, Flange, Lug  
Operation Method: Manual, Worm gear, Electric, Pneumatic actuator  
Inspection & Testing: GB/T 13927, API 598



**Lined Lug Type Butterfly Valve**

Nominal Diameter: DN50~DN2000(2"~80")  
Pressure Range: PN6, PN10, PN16, PN25, 150LB  
Body Material: WCB, CF8, CF8M  
Lining Material: FEP, PTFE, PFA, GXPO, EPDM  
Design & Manufacture Standard: HG/T 3704  
Face to face: GB/T 12221, ASME B16.10  
Flange Standard: GB/T 9119, ASME B16.5  
Connection Type: Wafer, Flange, Lug  
Operation Method: Manual, Worm gear, Electric, Pneumatic actuator  
Inspection & Testing: GB/T 13927, API 598



**Three-Pieces Lined Ball Valve**

Nominal Diameter: DN200~DN400(8"~16")  
Pressure Range: PN6, PN10, PN16, PN25, 150LB  
Body Material: WCB, CF8, CF8M  
Lining Material: FEP, PTFE, PFA, GXPO  
Design & Manufacture Standard: HG/T 3704  
Face to face: GB/T 12221, ASME B16.10  
Flange Standard: GB/T 9119, ASME B16.5  
Connection Type: Flange  
Operation Method: Manual, Worm gear, Electric, Pneumatic actuator  
Inspection & Testing: GB/T 13927, API 598



**PFA Lined Three-way Ball Valve**

Nominal Diameter: DN25~DN200(1"~8")  
Pressure Range: PN6, PN10, PN16, PN25, 150LB  
Body Material: WCB, CF8, CF8M  
Lining Material: FEP, PTFE, PFA, GXPO  
Design & Manufacture Standard: HG/T 3704  
Face to face: GB/T 12221, ASME B16.10  
Flange Standard: GB/T 9119, ASME B16.5  
Connection Type: Flange  
Operation Method: Manual, Worm gear, Electric, Pneumatic actuator  
Inspection & Testing: GB/T 13927, API 598

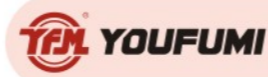


**ANSI PFA Lined Ball Valve**

Nominal Diameter: DN15~DN250(1/2"~10")  
Pressure Range: PN6, PN10, PN16, PN25, 150LB  
Body Material: WCB, CF8, CF8M  
Lining Material: FEP, PTFE, PFA, GXPO  
Design & Manufacture Standard: HG/T 3704  
Face to face: GB/T 12221, ASME B16.10  
Flange Standard: GB/T 9119, ASME B16.5  
Connection Type: Flange  
Operation Method: Manual, Worm gear, Electric, Pneumatic actuator  
Inspection & Testing: GB/T 13927, API 598



# Lined Valve



## Lined Diaphragm Valve

**Nominal Diameter:** DN15~DN300(1/2"~12")  
**Pressure Range:** PN6, PN10, PN16, PN25, 150LB  
**Body Material:** WCB, CF8, CF8M  
**Lining Material:** FEP, PTFE, PFA, GXPO, EPDM  
**Design & Manufacture Standard:** HG/T 3704  
**Face to face:** GB/T 12221, ASME B16.10  
**Flange Standard:** GB/T 9119, ASME B16.5  
**Connection Type:** Flange  
**Operation Method:** Manual, Diaphragm Head, Worm gear  
**Inspection & Testing:** MSS-SP-88



## Lined Silicon Casting Diaphragm Valve

**Nominal Diameter:** DN15~DN300(1/2"~12")  
**Pressure Range:** PN6, PN10, PN16, PN25, 150LB  
**Body Material:** WCB, CF8, CF8M  
**Lining Material:** FEP, PTFE, PFA, GXPO, EPDM  
**Design & Manufacture Standard:** HG/T 3704  
**Face to face:** GB/T 12221, ASME B16.10  
**Flange Standard:** GB/T 9119, ASME B16.5  
**Connection Type:** Flange  
**Operation Method:** Manual, Diaphragm Head, Worm gear  
**Inspection & Testing:** MSS-SP-88



## Through-way Lined Globe Valve

**Nominal Diameter:** DN15~DN400(1/2"~16")  
**Pressure Range:** PN6, PN10, PN16, PN25, 150LB  
**Body Material:** WCB, CF8, CF8M  
**Lining Material:** FEP, PTFE, PFA, GXPO  
**Design & Manufacture Standard:** HG/T 3704  
**Face to face:** GB/T 12221, ASME B16.10  
**Flange Standard:** GB/T 9119, ASME B16.5  
**Connection Type:** Flange  
**Operation Method:** Manual, Diaphragm Head, Worm gear  
**Inspection & Testing:** GB/T 13927, API 598



## Lined Three-way Plug Valve

**Nominal Diameter:** DN15~DN300(1/2"~12")  
**Pressure Range:** PN6, PN10, PN16, PN25, 150LB  
**Body Material:** WCB, CF8, CF8M  
**Lining Material:** FEP, PTFE, PFA, GXPO  
**Design & Manufacture Standard:** HG/T 3704  
**Face to face:** GB/T 12221, ASME B16.10  
**Flange Standard:** GB/T 9119, ASME B16.5  
**Connection Type:** Flange  
**Operation Method:** Manual, Worm gear, Electric, Pneumatic actuator  
**Inspection & Testing:** GB/T 13927, API 598



## Lined Plug Valve

**Nominal Diameter:** DN15~DN300(1/2"~12")  
**Pressure Range:** PN6, PN10, PN16, PN25, 150LB  
**Body Material:** WCB, CF8, CF8M  
**Lining Material:** FEP, PTFE, PFA, GXPO  
**Design & Manufacture Standard:** HG/T 3704  
**Face to face:** GB/T 12221, ASME B16.10  
**Flange Standard:** GB/T 9119, ASME B16.5  
**Connection Type:** Flange  
**Operation Method:** Manual, Worm gear, Electric, Pneumatic actuator  
**Inspection & Testing:** GB/T 13927, API 598



## Lined Gate Valve

**Nominal Diameter:** DN25~DN400(1"~16")  
**Pressure Range:** PN6, PN10, PN16, PN25, 150LB  
**Body Material:** WCB, CF8, CF8M  
**Lining Material:** FEP, PTFE, PFA, GXPO  
**Design & Manufacture Standard:** HG/T 3704  
**Face to face:** GB/T 12221, ASME B16.10  
**Flange Standard:** GB/T 9119, ASME B16.5  
**Connection Type:** Flange  
**Operation Method:** Manual, Diaphragm Head, Worm gear  
**Inspection & Testing:** GB/T 13927, API 598

# Lined Check Valve



## Sight-glass Ball Type Check Valve SH40

**Nominal Diameter:** DN25~DN200(1"~8")  
**Pressure Range:** PN6, PN10, PN16, PN25, 150LB  
**Body Material:** WCB, CF8, CF8M  
**Lining Material:** FEP, PTFE, PFA, GXPO  
**Design & Manufacture Standard:** HG/T 3704  
**Face to face:** GB/T 12221, ASME B16.10  
**Flange Standard:** GB/T 9119, ASME B16.5  
**Connection Type:** Flange  
**Inspection & Testing:** GB/T 13927, API 598



## Lined Swing Type Check Valve H44

**Nominal Diameter:** DN25~DN500(1"~20")  
**Pressure Range:** PN6, PN10, PN16, PN25, 150LB  
**Body Material:** WCB, CF8, CF8M  
**Lining Material:** FEP, PTFE, PFA, GXPO  
**Design & Manufacture Standard:** HG/T 3704  
**Face to face:** GB/T 12221, ASME B16.10  
**Flange Standard:** GB/T 9119, ASME B16.5  
**Connection Type:** Flange  
**Inspection & Testing:** GB/T 13927, API 598



## Lined Through-way Lift Check Valve H41

**Nominal Diameter:** DN15~DN300(1/2"~12")  
**Pressure Range:** PN6, PN10, PN16, PN25, 150LB  
**Body Material:** WCB, CF8, CF8M  
**Lining Material:** FEP, PTFE, PFA, GXPO  
**Design & Manufacture Standard:** HG/T 3704  
**Face to face:** GB/T 12221, ASME B16.10  
**Flange Standard:** GB/T 9119, ASME B16.5  
**Connection Type:** Flange  
**Inspection & Testing:** GB/T 13927, API 598



## Lined Wafer Type Check Valve H74

**Nominal Diameter:** DN25~DN800(1"~32")  
**Pressure Range:** PN6, PN10, PN16, PN25, 150LB  
**Body Material:** WCB, CF8, CF8M  
**Lining Material:** FEP, PTFE, PFA, GXPO, EPDM  
**Design & Manufacture Standard:** HG/T 3704  
**Face to face:** GB/T 12221, ASME B16.10  
**Flange Standard:** GB/T 9119, ASME B16.5  
**Connection Type:** Wafer  
**Inspection & Testing:** GB/T 13927, API 598



## Lined Vertical Lift Check Valve H42

**Nominal Diameter:** DN25~DN200(1"~8")  
**Pressure Range:** PN6, PN10, PN16, PN25, 150LB  
**Body Material:** WCB, CF8, CF8M  
**Lining Material:** FEP, PTFE, PFA, GXPO  
**Design & Manufacture Standard:** HG/T 3704  
**Face to face:** GB/T 12221, ASME B16.10  
**Flange Standard:** GB/T 9119, ASME B16.5  
**Connection Type:** Flange  
**Inspection & Testing:** GB/T 13927, API 598

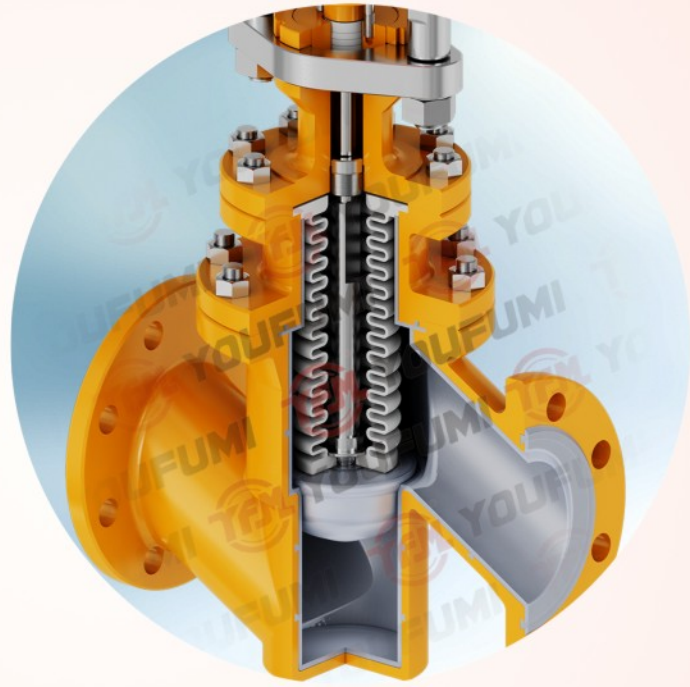


## Lined Ball Check Valve H40

**Nominal Diameter:** DN25~DN200(1"~8")  
**Pressure Range:** PN6, PN10, PN16, PN25, 150LB  
**Body Material:** WCB, CF8, CF8M  
**Lining Material:** FEP, PTFE, PFA, GXPO  
**Design & Manufacture Standard:** HG/T 3704  
**Face to face:** GB/T 12221, ASME B16.10  
**Flange Standard:** GB/T 9119, ASME B16.5  
**Connection Type:** Flange  
**Inspection & Testing:** GB/T 13927, API 598



# Control Valve



## Bellow Control Valve

**Nominal Diameter:** DN15~DN300(1/2"~12")  
**Pressure Range:** PN6, PN10, PN16, PN25, 150LB  
**Body Material:** WCB, CF8, CF8M  
**Lining Material:** FEP, PFA, GXPO  
**Design & Manufacture Standard:** HG/T 3704  
**Face to face:** GB/T 12221, ASME B16.10  
**Flange Standard:** GB/T 9119, ASME B16.5  
**Connection Type:** Flange  
**Operation Method:** Electric  
**Inspection & Testing:** GB/T 13927, API 598

# Control Valve



## PFA Lined Ball Electric Control Valve

**Nominal Diameter:** DN15~DN300(1/2"~12")  
**Pressure Range:** PN6, PN10, PN16, PN25, 150LB  
**Body Material:** WCB, CF8, CF8M  
**Lining Material:** FEP, PTFE, PFA, GXPO  
**Design & Manufacture Standard:** HG/T 3704  
**Face to face:** GB/T 12221, ASME B16.10  
**Flange Standard:** GB/T 9119, ASME B16.5  
**Connection Type:** Flange  
**Operation Method:** Electric, Pneumatic actuator  
**Inspection & Testing:** GB/T 13927, API 598



## PFA Lined V-port Ball Valve

**Nominal Diameter:** DN15~DN300(1/2"~12")  
**Pressure Range:** PN6, PN10, PN16, PN25, 150LB  
**Body Material:** WCB, CF8, CF8M  
**Lining Material:** FEP, PTFE, PFA, GXPO  
**Design & Manufacture Standard:** HG/T 3704  
**Face to face:** GB/T 12221, ASME B16.10  
**Flange Standard:** GB/T 9119, ASME B16.5  
**Connection Type:** Flange  
**Operation Method:** Electric, Pneumatic actuator  
**Inspection & Testing:** GB/T 13927, API 598



## PTFE Lined Flange Type Butterfly Control Valve

**Nominal Diameter:** DN50~DN500(2"~20")  
**Pressure Range:** PN6, PN10, PN16, PN25, 150LB  
**Body Material:** WCB, CF8, CF8M  
**Lining Material:** PTFE  
**Design & Manufacture Standard:** HG/T 3704  
**Face to face:** GB/T 12221, ASME B16.10  
**Flange Standard:** GB/T 9119, ASME B16.5  
**Connection Type:** Wafer, Flange, Lug  
**Operation Method:** Electric, Pneumatic actuator  
**Inspection & Testing:** GB/T 13927, API 598



## Pneumatic Diaphragm Control Valve

**Nominal Diameter:** DN50~DN250(2"~10")  
**Pressure Range:** PN6, PN10, PN16, PN25, 150LB  
**Body Material:** WCB, CF8, CF8M  
**Design & Manufacture Standard:** HG/T 3704  
**Face to face:** GB/T 12221, ASME B16.10  
**Flange Standard:** GB/T 9119, ASME B16.5  
**Connection Type:** Flange  
**Operation Method:** Electric, Pneumatic actuator  
**Inspection & Testing:** GB/T 13927, API 598



## PFA Lined Diaphragm Control Valve

**Nominal Diameter:** DN15~DN300(1/2"~12")  
**Pressure Range:** PN6, PN10, PN16, PN25, 150LB  
**Body Material:** WCB, CF8, CF8M  
**Lining Material:** FEP, PTFE, PFA, GXPO, EPDM  
**Design & Manufacture Standard:** HG/T 3704  
**Face to face:** GB/T 12221, ASME B16.10  
**Flange Standard:** GB/T 9119, ASME B16.5  
**Connection Type:** Flange  
**Operation Method:** Electric, Pneumatic actuator  
**Inspection & Testing:** GB/T 13927, API 598

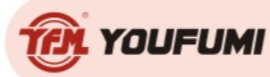


## Control V-Port Ball Valve

**Nominal Diameter:** DN15~DN300(1/2"~12")  
**Pressure Range:** PN6, PN10, PN16, PN25, 150LB  
**Body Material:** WCB, CF8, CF8M  
**Design & Manufacture Standard:** HG/T 3704  
**Face to face:** GB/T 12221, ASME B16.10  
**Flange Standard:** GB/T 9119, ASME B16.5  
**Connection Type:** Flange  
**Operation Method:** Electric, Pneumatic actuator  
**Inspection & Testing:** GB/T 13927, API 598



# Ceramic Valve



## Q41TC Manual (lever) Ceramic Ball Valve

**Nominal Diameter:** DN15-DN300(1/2"-12")  
**Pressure Range:** PN10, PN16, PN25, PN40  
**Body Material:** WCB, CF8, CF8M  
**Lining Material:** High strength structural ceramic  
**Design & Manufacture Standard:** GB/T 12237, API6D  
**Face to face:** GB/T 12221, ASME B16.10  
**Flange Standard:** GB/T 9119, ASME B16.5  
**Connection Type:** Flange  
**Operation Method:** Manual, Worm gear, Electric, Pneumatic actuator  
**Inspection & Testing:** GB/T 13927, API 598



## Q641TC Penumatic Ceramic Ball Valve

**Nominal Diameter:** DN15-DN300(1/2"-12")  
**Pressure Range:** PN10, PN16, PN25, PN40  
**Body Material:** A105, CF8, CF8M  
**Lining Material:** High strength structural ceramic  
**Design & Manufacture Standard:** GB/T 12237, API6D  
**Face to face:** GB/T 12221, ASME B16.10  
**Flange Standard:** GB/T 9119, ASME B16.5  
**Connection Type:** Flange  
**Operation Method:** Manual, Worm gear, Electric, Pneumatic actuator  
**Inspection & Testing:** GB/T 13927, API 598



## Electric V-port Ceramic Control Ball Valve

**Nominal Diameter:** DN15-DN300(1/2"-12")  
**Pressure Range:** PN10, PN16, PN25, PN40  
**Body Material:** WCB, CF8, CF8M  
**Lining Material:** High strength structural ceramic  
**Design & Manufacture Standard:** GB/T 12237, API6D  
**Face to face:** GB/T 12221, ASME B16.10  
**Flange Standard:** GB/T 9119, ASME B16.5  
**Connection Type:** Flange  
**Operation Method:** Manual, Worm gear, Electric, Pneumatic actuator  
**Inspection & Testing:** GB/T 13927, API 598

# Ceramic Valve



## Penumatic Ceramic Discharge Valve

**Nominal Diameter:** DN50-DN300(2"-12")  
**Pressure Range:** PN10, PN16, PN25  
**Body Material:** WCB, CF8, CF8M  
**Lining Material:** High strength structural ceramic  
**Design & Manufacture Standard:** GB/T 12237, API6D  
**Face to face:** GB/T 12221, ASME B16.10  
**Flange Standard:** GB/T 9119, ASME B16.5  
**Connection Type:** Flange  
**Operation Method:** Manual, Worm gear, Electric, Pneumatic actuator  
**Inspection & Testing:** GB/T 13927, API 598



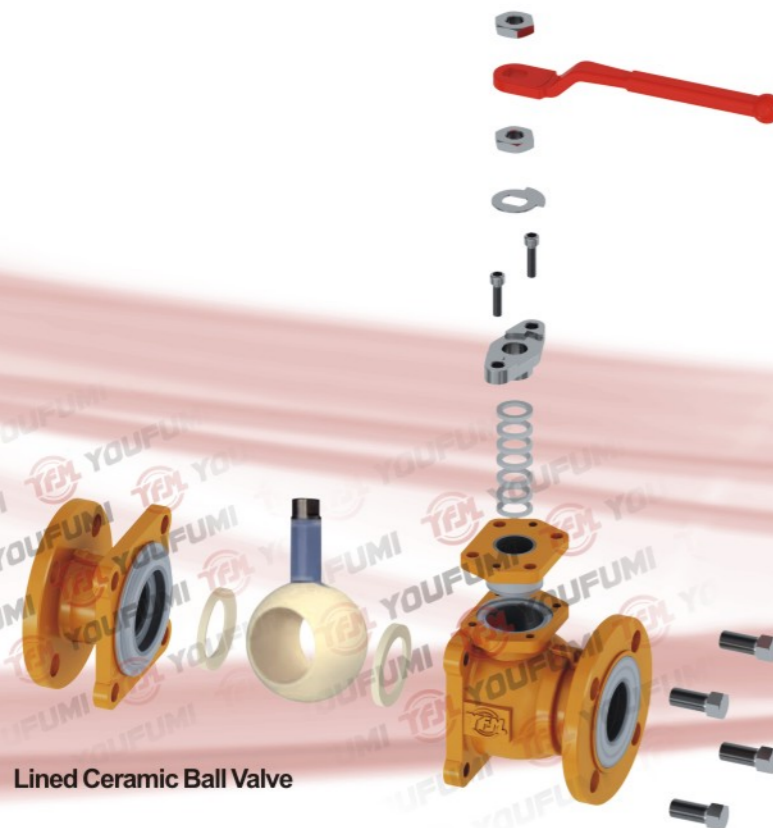
## Pneumatic Ceramic Dual-Plate Valve

**Nominal Diameter:** DN50-DN300(2"-12")  
**Pressure Range:** PN10, PN16, PN25  
**Body Material:** WCB, CF8, CF8M  
**Lining Material:** High strength structural ceramic  
**Design & Manufacture Standard:** GB/T 12237, API6D  
**Face to face:** GB/T 12221, ASME B16.10  
**Flange Standard:** GB/T 9119, ASME B16.5  
**Connection Type:** Flange  
**Operation Method:** Manual, Worm gear, Electric, Pneumatic actuator  
**Inspection & Testing:** GB/T 13927, API 598



## Pneumatic Ceramic Knife Gate Valve

**Nominal Diameter:** DN50-DN600(2"-24")  
**Pressure Range:** PN10, PN16, PN25  
**Body Material:** WCB, CF8, CF8M  
**Lining Material:** High strength structural ceramic  
**Design & Manufacture Standard:** GB/T 12237, API6D  
**Face to face:** GB/T 12221, ASME B16.10  
**Flange Standard:** GB/T 9119, ASME B16.5  
**Connection Type:** Flange  
**Operation Method:** Manual, Worm gear, Electric, Pneumatic actuator  
**Inspection & Testing:** GB/T 13927, API 598



Lined Ceramic Ball Valve



## Piece Ceramic Ball Valve

**Nominal Diameter:** DN15-DN100(1/2"-4")  
**Pressure Range:** PN10, PN16, PN25  
**Body Material:** WCB, CF8, CF8M  
**Lining Material:** High strength structural ceramic  
**Design & Manufacture Standard:** GB/T 12237, API6D  
**Face to face:** GB/T 12221, ASME B16.10  
**Flange Standard:** GB/T 9119, ASME B16.5  
**Connection Type:** NPT  
**Operation Method:** Manual, Worm gear, Electric, Pneumatic actuator  
**Inspection & Testing:** GB/T 13927, API 598



## Manual Ceramic Drain Valve

**Nominal Diameter:** DN50-DN400(2"-16")  
**Pressure Range:** PN10, PN16, PN25, PN40  
**Body Material:** WCB, CF8, CF8M  
**Lining Material:** High strength structural ceramic  
**Design & Manufacture Standard:** GB/T 12237, API6D  
**Face to face:** GB/T 12221, ASME B16.10  
**Flange Standard:** GB/T 9119, ASME B16.5  
**Connection Type:** Flange  
**Operation Method:** Manual, Worm gear, Electric, Pneumatic actuator  
**Inspection & Testing:** GB/T 13927, API 598



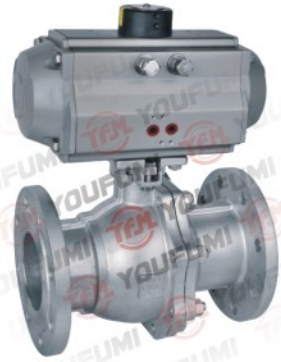
Ceramic Lined Elbow



# Stainless Steel Valve



# Stainless Steel Valve



### Pneumatic SS Ball Valve

**Nominal Diameter:** DN15~DN300(1/2"~12")  
**Pressure Range:** PN6, PN10, PN16, PN25, PN40, Class150, Class300  
**Body Material:** WCB, CF8, CF8M, CF3M  
**Design & Manufacture Standard:** GB/T 12237  
**Face to face:** GB/T 12221, ASME B16.10  
**Flange Standard:** GB/T 9119, ASME B16.5  
**Connection Type:** Flange  
**Operation Method:** Manual, Worm gear, Electric, Pneumatic actuator



### Flange Wafer Ball Valve

**Nominal Diameter:** DN15~DN300(1/2"~12")  
**Pressure Range:** PN6, PN10, PN16, PN25, PN40, Class150, Class300  
**Body Material:** WCB, CF8, CF8M, CF3M  
**Design & Manufacture Standard:** GB/T 12237  
**Face to face:** GB/T 12221, ASME B16.10  
**Flange Standard:** GB/T 9119, ASME B16.5  
**Connection Type:** Flange  
**Operation Method:** Manual, Worm gear, Electric, Pneumatic actuator



### 3-PC NPT Ball Valve

**Nominal Diameter:** DN15~DN100(1/2"~4")  
**Pressure Range:** PN6, PN10, PN16, PN25, PN40, Class150, Class300  
**Body Material:** WCB, CF8, CF8M, CF3M  
**Design & Manufacture Standard:** GB/T 12237  
**Face to face:** GB/T 12221, ASME B16.10  
**Flange Standard:** GB/T 9119, ASME B16.5  
**Connection Type:** NPT  
**Operation Method:** Manual



### Sleeved Plug Valve

**Nominal Diameter:** DN15~DN300(1/2"~12")  
**Pressure Range:** PN6, PN10, PN16, PN25, PN40, Class150, Class300  
**Body Material:** WCB, CF8, CF8M, CF3M  
**Design & Manufacture Standard:** GB/T 12237  
**Face to face:** GB/T 12221, ASME B16.10  
**Flange Standard:** GB/T 9119, ASME B16.5  
**Connection Type:** Flange  
**Operation Method:** Manual, Worm gear, Electric, Pneumatic actuator



### ANSI Ball Valve

**Nominal Diameter:** DN15~DN300(1/2"~12")  
**Pressure Range:** PN6, PN10, PN16, PN25, PN40, Class150, Class300  
**Body Material:** WCB, CF8, CF8M, CF3M  
**Design & Manufacture Standard:** GB/T 12237  
**Face to face:** GB/T 12221, ASME B16.10  
**Flange Standard:** GB/T 9119, ASME B16.5  
**Connection Type:** Flange  
**Operation Method:** Manual, Worm gear, Electric, Pneumatic actuator



### ANSI Gate Valve

**Nominal Diameter:** DN15~DN500(1/2"~20")  
**Pressure Range:** PN6, PN10, PN16, PN25, PN40, Class150, Class300  
**Body Material:** WCB, CF8, CF8M, CF3M  
**Design & Manufacture Standard:** GB/T 12237  
**Face to face:** GB/T 12221, ASME B16.10  
**Flange Standard:** GB/T 9119, ASME B16.5  
**Connection Type:** Flange  
**Operation Method:** Manual, Worm gear, Electric, Pneumatic actuator



### Wafer Type High Performance Butterfly Valve

**Nominal Diameter:** DN50~DN3000(2"~120")  
**Pressure Range:** PN6, PN10, PN16, PN25, PN40, Class150, Class300  
**Body Material:** WCB, CF8, CF8M, CF3M  
**Design & Manufacture Standard:** GB/T 12237  
**Face to face:** GB/T 12221, ASME B16.10  
**Flange Standard:** GB/T 9119, ASME B16.5  
**Connection Type:** Wafer, Flange, Lug  
**Operation Method:** Manual, Worm gear, Electric, Pneumatic actuator



### Flange Type High Performance Butterfly Valve

**Nominal Diameter:** DN50~DN3000(2"~120")  
**Pressure Range:** PN6, PN10, PN16, PN25, PN40, Class150, Class300  
**Body Material:** WCB, CF8, CF8M, CF3M  
**Design & Manufacture Standard:** GB/T 12237  
**Face to face:** GB/T 12221, ASME B16.10  
**Flange Standard:** GB/T 9119, ASME B16.5  
**Connection Type:** Wafer, Flange, Lug  
**Operation Method:** Manual, Worm gear, Electric, Pneumatic actuator



### Investment Casting SS Ball Valve

**Nominal Diameter:** DN15~DN300(1/2"~12")  
**Pressure Range:** PN6, PN10, PN16, PN25, PN40, Class150, Class300  
**Body Material:** WCB, CF8, CF8M, CF3M  
**Design & Manufacture Standard:** GB/T 12237  
**Face to face:** GB/T 12221, ASME B16.10  
**Flange Standard:** GB/T 9119, ASME B16.5  
**Connection Type:** Flange  
**Operation Method:** Manual, Worm gear, Electric, Pneumatic actuator



### Globe Valve

**Nominal Diameter:** DN15~DN500(1/2"~20")  
**Pressure Range:** PN6, PN10, PN16, PN25, PN40, Class150, Class300  
**Body Material:** WCB, CF8, CF8M, CF3M  
**Design & Manufacture Standard:** GB/T 12237  
**Face to face:** GB/T 12221, ASME B16.10  
**Flange Standard:** GB/T 9119, ASME B16.5  
**Connection Type:** Flange  
**Operation Method:** Manual, Worm gear, Electric, Pneumatic actuator



### Check Valve

**Nominal Diameter:** DN15~DN300(1/2"~12")  
**Pressure Range:** PN6, PN10, PN16, PN25, PN40, Class150, Class300  
**Body Material:** WCB, CF8, CF8M, CF3M  
**Design & Manufacture Standard:** GB/T 12237  
**Face to face:** GB/T 12221, ASME B16.10  
**Flange Standard:** GB/T 9119, ASME B16.5  
**Connection Type:** Flange



### Strainer

**Nominal Diameter:** DN15~DN300(1/2"~12")  
**Pressure Range:** PN6, PN10, PN16, PN25, PN40, Class150, Class300  
**Body Material:** WCB, CF8, CF8M, CF3M  
**Design & Manufacture Standard:** GB/T 12237  
**Face to face:** GB/T 12221, ASME B16.10  
**Flange Standard:** GB/T 9119, ASME B16.5  
**Connection Type:** Flange



# Rubber Lined Valve



## Rubber Lined Butterfly Valve

**Nominal Diameter:** DN50-DN2000(2"-80")  
**Pressure Range:** PN6, PN10, PN16, PN25, 150LB  
**Body Material:** WCB, CF8, CF8M  
**Lining Material:** EPDM, NBR



## Half Rubber Lined Butterfly Valve

**Nominal Diameter:** DN50-DN2000(2"-80")  
**Pressure Range:** PN6, PN10, PN16, PN25, 150LB  
**Body Material:** WCB, CF8, CF8M  
**Lining Material:** EPDM, NBR



## Flange Rubber Lined Butterfly Valve

**Nominal Diameter:** DN50-DN2000(2"-80")  
**Pressure Range:** PN6, PN10, PN16, PN25, 150LB  
**Body Material:** WCB, CF8, CF8M  
**Lining Material:** EPDM, NBR



## Lug Rubber Lined Butterfly Valve

**Nominal Diameter:** DN50-DN2000(2"-80")  
**Pressure Range:** PN6, PN10, PN16, PN25, 150LB  
**Body Material:** WCB, CF8, CF8M  
**Lining Material:** EPDM, NBR



## Rubber Lined Diaphragm Valve

**Nominal Diameter:** DN25-DN350(1"-14")  
**Pressure Range:** PN6, PN10, PN16, PN25, 150LB  
**Body Material:** WCB, CF8, CF8M  
**Lining Material:** EPDM, NBR



## Straight Way Rubber Lined Diaphragm Valve

**Nominal Diameter:** DN25-DN350(1"-14")  
**Pressure Range:** PN6, PN10, PN16, PN25, 150LB  
**Body Material:** WCB, CF8, CF8M  
**Lining Material:** EPDM, NBR



## Y-type Rubber Lined Globe Valve

**Nominal Diameter:** DN25-DN350(1"-14")  
**Pressure Range:** PN6, PN10, PN16, PN25, 150LB  
**Body Material:** WCB, CF8, CF8M  
**Lining Material:** EPDM, NBR



## Rubber Lined Check Valve

**Nominal Diameter:** DN25-DN500(1"-20")  
**Pressure Range:** PN6, PN10, PN16, PN25, 150LB  
**Body Material:** WCB, CF8, CF8M  
**Lining Material:** EPDM, NBR



## Rubber Lined Pinch Valve

**Nominal Diameter:** DN25-DN500(1"-20")  
**Pressure Range:** PN6, PN10, PN16, PN25, 150LB  
**Body Material:** WCB, CF8, CF8M  
**Lining Material:** EPDM, NBR

# Full Plastic Valve



## PVDF Butterfly Valve

**Nominal Diameter:** DN50-DN800(2"-32")  
**Pressure Range:** PN6, PN10, PN16, 150LB  
**Body Material:** FRPP, PVDF, CPVC, UPVC



## FRPP Ball Valve

**Nominal Diameter:** DN15-DN250(1/2"-8")  
**Pressure Range:** PN6, PN10, PN16, 150LB  
**Body Material:** FRPP, PVDF, CPVC, UPVC



## PVDF Ball Valve

**Nominal Diameter:** DN15-DN250(1/2"-8")  
**Pressure Range:** PN6, PN10, PN16, 150LB  
**Body Material:** FRPP, PVDF, CPVC, UPVC



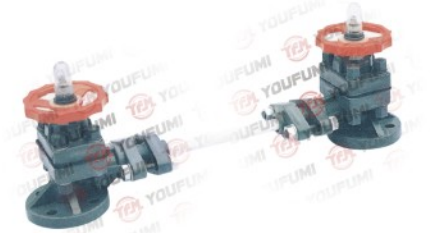
## PVDF Diaphragm Valve

**Nominal Diameter:** DN15-DN250(1/2"-10")  
**Pressure Range:** PN6, PN10, PN16, 150LB  
**Body Material:** FRPP, PVDF, CPVC, UPVC



## Plastic Sight Glass

**Nominal Diameter:** DN15-DN250(1/2"-10")  
**Pressure Range:** PN6, PN10, PN16, 150LB  
**Body Material:** FRPP, PVDF, CPVC, UPVC



## FRPP Liquidometer

**Nominal Diameter:** DN15-DN250(1/2"-10")  
**Pressure Range:** PN6, PN10, PN16, 150LB  
**Body Material:** FRPP, PVDF, CPVC, UPVC



## PVDF Check Valve

**Nominal Diameter:** DN15-DN250(1/2"-10")  
**Pressure Range:** PN6, PN10, PN16, 150LB  
**Body Material:** FRPP, PVDF, CPVC, UPVC



## FRPP Check Valve

**Nominal Diameter:** DN15-DN250(1/2"-10")  
**Pressure Range:** PN6, PN10, PN16, 150LB  
**Body Material:** FRPP, PVDF, CPVC, UPVC



## FRPP Wafer Type Check Valve

**Nominal Diameter:** DN15-DN250(1/2"-10")  
**Pressure Range:** PN6, PN10, PN16, 150LB  
**Body Material:** FRPP, PVDF, CPVC, UPVC



# Lined Pipe & Fittings



## Lined Elbow

**Nominal Diameter:** DN15-DN500(1/2"-20")  
**Pressure Range:** PN6, PN10, PN16, PN25, 150LB  
**Body Material:** A105, SS304, SS316, SS316L  
**Lining Material:** FEP, PTFE, PFA, GXPO  
**Design & Manufacture Standard:** HG/T 21562  
**Face to face:** GB/T 12221, ASME B16.10  
**Flange Standard:** GB/T 9119, ASME B16.5  
**Inspection & Testing:** GB/T 13927, API 598



## Lined Tee, Lined Cross

**Nominal Diameter:** DN15-DN500(1/2"-20")  
**Pressure Range:** PN6, PN10, PN16, PN25, 150LB  
**Body Material:** A105, SS304, SS316, SS316L  
**Lining Material:** FEP, PTFE, PFA, GXPO  
**Design & Manufacture Standard:** HG/T 21562  
**Face to face:** GB/T 12221, ASME B16.10  
**Flange Standard:** GB/T 9119, ASME B16.5  
**Inspection & Testing:** GB/T 13927, API 598



## Lined Reducer

**Nominal Diameter:** DN15-DN500(1/2"-20")  
**Pressure Range:** PN6, PN10, PN16, PN25, 150LB  
**Body Material:** A105, SS304, SS316, SS316L  
**Lining Material:** FEP, PTFE, PFA, GXPO  
**Design & Manufacture Standard:** HG/T 21562  
**Face to face:** GB/T 12221, ASME B16.10  
**Flange Standard:** GB/T 9119, ASME B16.5  
**Inspection & Testing:** GB/T 13927, API 598

# Lined Pipe & Fittings



## PFA lined Instrument Tee

**Nominal Diameter:** DN15-DN500(1/2"-20")  
**Pressure Range:** PN6, PN10, PN16, PN25, 150LB  
**Body Material:** A105, SS304, SS316, SS316L  
**Lining Material:** FEP, PTFE, PFA, GXPO  
**Design & Manufacture Standard:** HG/T 21562  
**Face to face:** GB/T 12221, ASME B16.10  
**Flange Standard:** GB/T 9119, ASME B16.5  
**Inspection & Testing:** GB/T 13927, API 598



## PTFE Lined Blind Flange

**Nominal Diameter:** DN15-DN500(1/2"-20")  
**Pressure Range:** PN6, PN10, PN16, PN25, 150LB  
**Body Material:** A105, SS304, SS316, SS316L  
**Lining Material:** FEP, PTFE, PFA, GXPO  
**Design & Manufacture Standard:** HG/T 21562  
**Face to face:** GB/T 12221, ASME B16.10  
**Flange Standard:** GB/T 9119, ASME B16.5  
**Inspection & Testing:** GB/T 13927, API 598



## Lined Horizontal Sight Glass

**Nominal Diameter:** DN25-DN500(1"-10")  
**Pressure Range:** PN6, PN10, PN16, PN25, 150LB  
**Body Material:** WCB, CF8, CF8M  
**Lining Material:** FEP, PTFE, PFA, GXPO  
**Design & Manufacture Standard:** HG/T 21562  
**Face to face:** GB/T 12221, ASME B16.10  
**Flange Standard:** GB/T 9119, ASME B16.5  
**Inspection & Testing:** GB/T 13927, API 598



## Lined Y-Type Strainer

**Nominal Diameter:** DN25-DN500(1"-10")  
**Pressure Range:** PN6, PN10, PN16, PN25, 150LB  
**Body Material:** WCB, CF8, CF8M  
**Lining Material:** FEP, PTFE, PFA, GXPO  
**Filter Material:** PTFE  
**Design & Manufacture Standard:** HG/T 21562  
**Face to face:** GB/T 12221, ASME B16.10  
**Flange Standard:** GB/T 9119, ASME B16.5  
**Inspection & Testing:** GB/T 13927, API 598



## Lined Basket Type Strainer

**Nominal Diameter:** DN25-DN500(1"-10")  
**Pressure Range:** PN6, PN10, PN16, PN25, 150LB  
**Body Material:** WCB, CF8, CF8M  
**Lining Material:** FEP, PTFE, PFA, GXPO  
**Filter Material:** PTFE  
**Design & Manufacture Standard:** HG/T 21562  
**Face to face:** GB/T 12221, ASME B16.10  
**Flange Standard:** GB/T 9119, ASME B16.5  
**Inspection & Testing:** GB/T 13927, API 598

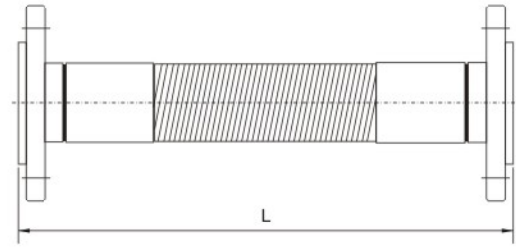


## Lined Vertical Sight Glass

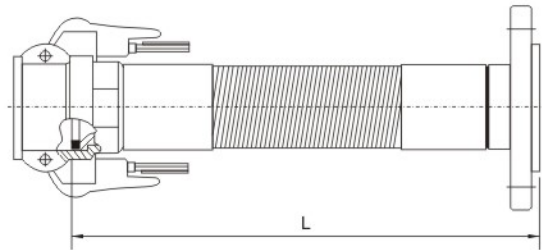
**Nominal Diameter:** DN25-DN500(1"-10")  
**Pressure Range:** PN6, PN10, PN16, PN25, 150LB  
**Body Material:** WCB, CF8, CF8M  
**Lining Material:** FEP, PTFE, PFA, GXPO  
**Design & Manufacture Standard:** HG/T 21562  
**Face to face:** GB/T 12221, ASME B16.10  
**Flange Standard:** GB/T 9119, ASME B16.5  
**Inspection & Testing:** GB/T 13927, API 598



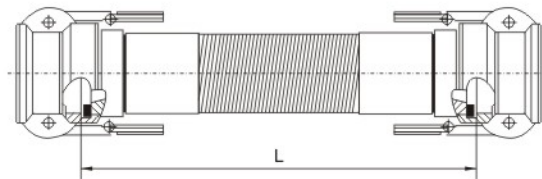
# PTFE Flexible Hose



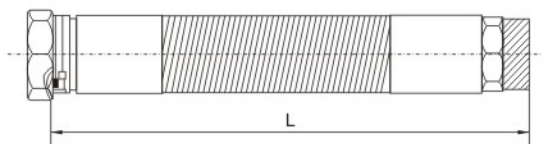
Flang connection(fixed + loose)



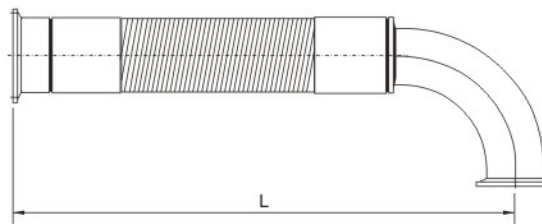
Quick coupling(female) + flange connection



Quick coupling(female)



MNPT + FNPT



Quick coupling



# PTFE Expansion Joint



FB Type PTFE Expansion Joint

Nominal Diameter: DN25~DN2000(1"~80")  
 Pressure Range: PN6, PN10, PN16, PN25, 150LB  
 Body Material: PTFE  
 Lining Material: PTFE, PFA  
 Design & Manufacture Standard: HG/T 3985, GB/T 15700  
 Flange Standard: HG/T 3985, ASME B16.5  
 Inspection & Testing: F1123



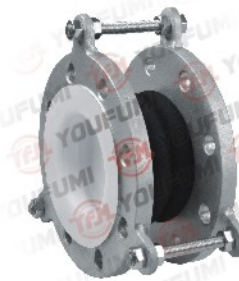
FW Type PTFE Stainless Steel Nets Expansion Joint

Nominal Diameter: DN25~DN2000(1"~80")  
 Pressure Range: PN6, PN10, PN16, PN25, 150LB  
 Body Material: SS304, SS316, SS316L  
 Lining Material: PTFE, PFA  
 Design & Manufacture Standard: HG/T 3985, GB/T 15700  
 Flange Standard: HG/T 3985, ASME B16.5  
 Inspection & Testing: F1123



FG Type Stainless Steel Housing Expansion Joint

Nominal Diameter: DN25~DN2000(1"~80")  
 Pressure Range: PN6, PN10, PN16, PN25, 150LB  
 Body Material: SS304, SS316, SS316L  
 Lining Material: PTFE, PFA  
 Design & Manufacture Standard: HG/T 3985, GB/T 15700  
 Flange Standard: HG/T 3985, ASME B16.5  
 Inspection & Testing: F1123



FX Type PTFE Rubber Expansion Joint

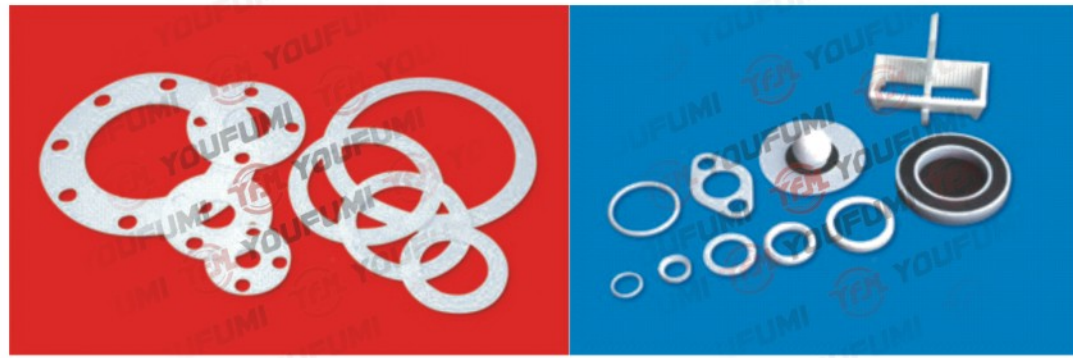


FX-1 Type Single Spherical PTFE Rubber Expansion Joint  
 FX-2 Type Double Spherical PTFE Rubber Expansion Joint





# Gaskets



PTFE Gasket



PTFE Sheet



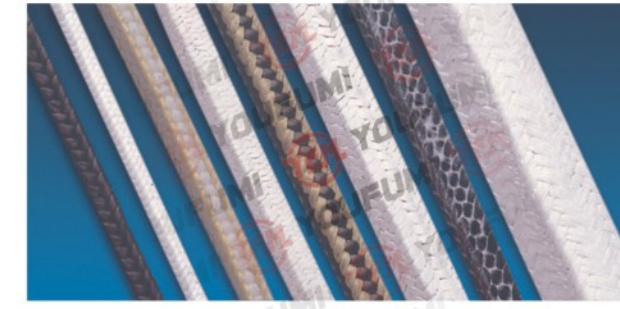
PTFE Rubber Composite Gasket

# Gaskets



PTFE Envelope Gasket

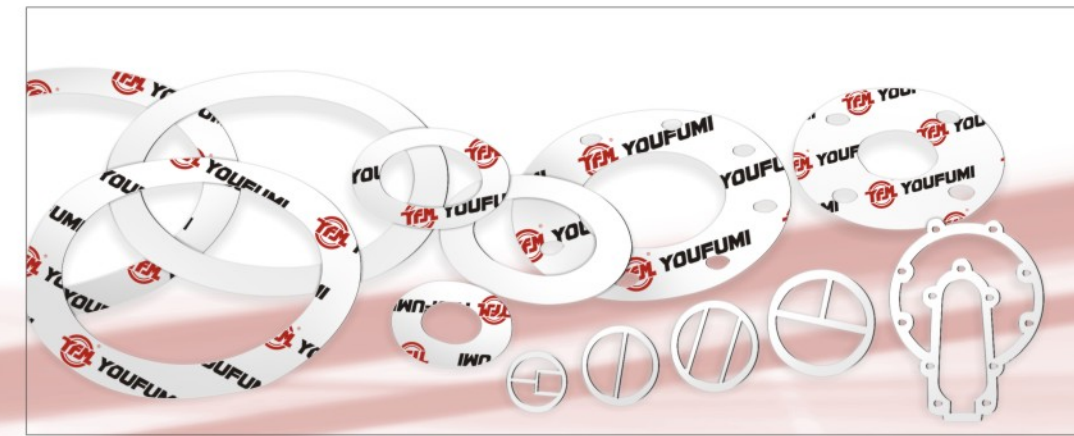
PTFE Skived Sheet Tape and Film



PTFE Packing



Soft Fibration PTFE Sealing Gasket



Soft Fibration PTFE Sealing Gasket





### Lined Reactor

Nominal Diameter:  $\leq$ DN4000

Pressure Range: PN10, PN16

Body Material: Q235, SS304

Lining Material: PTFE, PFA, GXPO

Design & Manufacture Standard: GB/T 150, JB/T 4735

Welding Standard: GB/T 985, GB/T 986, JB/T 4709

Flange Standard: HG/T 3985, ASME B16.5