Titan Flow Control is a high quality manufacturer of Check Valves, Butterfly Valves, Pipeline Strainers, Pump Products, Fabricated Designs, and Pipeline accessories applicable to most industrial and commercial requirements. Titan Flow Control was established in the year 2000 by industry veterans with over 300 years of combined experience. We are located in the southeastern part of North Carolina and currently occupy over 70,000 ft² of office, warehouse, and manufacturing space.
**TITAN FLOW CONTROL, INC.**

**“Y” Type Strainers**

**Cast Iron**

YS 12-CI  
Class 250  
Threaded  
Sizes: \( \frac{1}{4} \text{”} - 3\text{”} \)

YS 58-CI  
Class 125  
Flanged  
Sizes: 2 – 24”

YS 59-CI  
Class 250  
Flanged  
Sizes: 2 – 12”

**Need a strainer?**

...It’s a no-brainer!

We routinely stock:
- Sizes 1/4” through 24”
- Pressure Classes 125 – 2500
- Standard materials
- Exotic materials
- All end connections

If we don’t have it - we’ll help you find it!

**Bronze & Brass**

YS 55-BR  
YS 55-BZ  
Class 125  
Threaded  
Sizes: \( \frac{1}{4} \text{”} - 3\text{”} \)

YS 56-BR  
YS 56-BZ  
Class 125  
Solder  
Sizes: \( \frac{1}{4} \text{”} - 3\text{”} \)

YS 52-AB  
Class 250  
Threaded  
Sizes: \( \frac{1}{4} \text{”} - 3\text{”} \)

YS 54-AB  
Class 150  
Flanged  
Sizes: 2 – 12”

* Lead Free!*  
(See note on the following page)

**Carbon & Stainless Steel**

YS 81-CS  
YS 81-SS  
Class 600  
Threaded  
Sizes: \( \frac{1}{4} \text{”} - 3\text{”} \)

YS 82-CS  
YS 82-SS  
Class 600  
Socket Weld  
Sizes: \( \frac{1}{4} \text{”} - 3\text{”} \)

YS 83-CS  
YS 83-SS  
Class 1500  
Threaded  
Sizes: 1/2 – 3”

YS 84-CS  
YS 84-SS  
Class 1500  
Socket Weld  
Sizes: 1/2 – 3”

YS 61-CS  
YS 61-SS  
Class 150  
Flanged  
Sizes: \( \frac{1}{2} \text{”} - 24\text{”} \)

YS 62-CS  
YS 62-SS  
Class 300  
Flanged  
Sizes: \( \frac{1}{2} \text{”} - 12\text{”} \)

YS 64-CS  
YS 64-SS  
Class 600  
Flanged  
Sizes: \( \frac{1}{2} \text{”} - 12\text{”} \)

YS 68-CS  
YS 68-SS  
Class 1500  
Flanged  
Sizes: 2 – 8”

YS 69-CS  
YS 69-SS  
Class 1500  
Butt Weld  
Sizes: 2 – 8”

YS 71-CS  
YS 71-SS  
Class 2500  
Butt Weld  
Sizes: 1 1/2 – 10”

YS 70-CS  
YS 70-SS  
Class 2500  
Flanged  
Sizes: 2 – 8”

Available in WC6 Alloy 20 316L

Available in Additional Materials

* Bolted Cover is standard on sizes 2 1/2” and 3” and is optional on size 2”.

**High Pressure Models Available**

Available in WC6 Alloy 20 316L
Cast Iron

**BS 25-CI**
Class 125
Threaded
Quick-Open Cover
Sizes: \(\frac{3}{8} \sim 3"\)

**BS 25F-CI**
Class 125
Flanged
Quick-Open Cover
Sizes: 1 \(\sim 8"\)

**BS 55-CI**
Class 125
Flanged
Clamp Cover
Sizes: 2 \(\sim 12"\)

**BS 65-CI**
Class 125
Flanged
Bolted Cover
Sizes: 2 \(\sim 12"\)

Carbon & Stainless Steel

**BS 35-CS**
Class 150/300
Threaded
Sizes: \(\frac{3}{8} \sim 3"\)

**BS 35F-CS**
Class 150
Flanged
Sizes: 1 \(\sim 8"\)

**BS 85-CS**
Class 150
Flanged
Sizes: 2 \(\sim 12"\)

**BS 86-CS**
Class 300
Flanged
Sizes: 2 \(\sim 12"\)

Fiberglass & Aluminum Bronze

**BS 55-FRP**
Class 150
Flanged
Sizes: 4 \(\sim 20"\)

**BS 85F-CS**
Class 150
Flanged
Sizes: 2 \(\sim 12"\)

Hi! I’m **NEW!**

**BS 25-CI**
Quick-Opening - Knob Type Cover
Sizes: \(\frac{3}{8} \sim 3"\)

**BS 85-CS**
Full Rated - Clamp Cover
Sizes: 2 \(\sim 12"\)

**Optional Cover Designs**
Most Basket Strainer models can be constructed with various cover designs including bolted, clamped, and hinged.

**BS 87F-CS**
Class 150
Flanged
Sizes: 1 \(\sim 16"\)
TITAN FLOW CONTROL, INC.
Duplex Strainers

**Cast Iron**
- **DS 595-CI**
  - Class 125
  - Threaded
  - Cast Iron
  - Sizes: 3/4 ~ 2 1/2”
- **DS 695-CI**
  - Class 125
  - Flanged
  - Cast Iron
  - Sizes: 1 ~ 4”

**Stainless & Carbon Steel**
- **DS 596-CS/SS**
- **DS 696-CS/SS**
- **DS 796-CS/SS**
  - Class 150
  - Threaded, Flanged
  - Carbon Steel, Stainless Steel
  - Sizes: 3/4 ~ 8”

**Aluminum Bronze**
- **DS 596-AB**
  - Class 150
  - Threaded
  - Aluminum
  - Bronze
  - Sizes: 3/4 ~ 2 1/2”
- **DS 696-AB**
  - Class 150
  - Flanged
  - Aluminum
  - Bronze
  - Sizes: 1 ~ 4”

**Pump Products**
- **Tri-Flow Valve**
  - **TF 21-CI**
    - Class 125
    - Flanged
    - Cast Iron
    - Sizes: 2 ~ 20”

**Ball Valves**
- **Foot Valve**
  - **FV 50-DI**
    - Class 150
    - Flanged
    - Ductile Iron
    - Sizes: 2 ~ 12”

- **Suction Diffuser**
  - **SD 22-CI**
    - Class 125
    - Flanged
    - Cast Iron
    - Sizes: 2 x 1 1/4 ~ 18 x 18”

**Foot Valves**
Check Valve Models
CV 80-SS and CV 20-BZ can also be designed as Foot Valves

**Blow-off Valves**
Ball Valves can be professionally installed as Blow-off Valves at our factory before shipping.
Center Guided

CV 90-DI
Class 150/300
Wafer Type - Silent
Ductile Iron
Sizes: 2 ~ 12"

CV 91-SS
Class 150/300
Wafer Type - Silent
Stainless Steel
Sizes: 2 ~ 12"

CV 80-SS
Class 300
Threaded / In-Line
Stainless Steel
Sizes: 1/2 ~ 3"

CV 88T-SS
CV 88S-SS
Class 300
Wafer Type - Silent
Stainless Steel
Sizes: 2 ~ 12"

CV 50-DI
Class 150
Flanged - Globe Style
Ductile Iron
Sizes: 2 ~ 36"

CV 51-CS / CV 51-SS
Class 150
Flanged - Globe Style
Carbon & Stainless Steel
Sizes: 2 ~ 36"

CV 52-DI
CV 52-CS / CV 52-SS
Class 300
Flanged - Globe Style
Ductile Iron, Carbon & Stainless Steel
Sizes: 2 ~ 36"

CV 20-BR
400 WOG
Threaded / In-Line
Brass
Sizes: 1/4 ~ 2"

CV 41-DI
Class 150
Wafer - Dual Disc
Ductile Iron
Sizes: 2 ~ 48"

Single & Dual Disc

CV 12-CS / CV 12-SS
Class 150
Short Pattern - Wafer Type
Carbon & Stainless Steel
Sizes: 2 ~ 24"

CV 31-DI
Class 150
Wafer - Swing Type
Ductile Iron
Sizes: 2 ~ 12"

CV 32-CS / CV 32-SS
Class 150
Wafer - Swing Type
Carbon & Stainless Steel
Sizes: 2 ~ 12"

CV 42-CS / CV 42-SS
Class 150/300
Wafer - Dual Disc
Carbon & Stainless Steel
Sizes: 2 ~ 48"

CV 44-CS / CV 44-SS
Class 300
Wafer - Dual Disc
Carbon & Stainless Steel
Sizes: 2 ~ 48"

CV 46-CS / CV 46-SS
CV 47-CS / CV 47-SS
Class 600 & 900
Wafer - Dual Disc
Carbon & Stainless Steel
Sizes: 2 ~ 48"

CV 71-SS
Class 150/300
Wafer - Insert Check Valve
Stainless Steel
Sizes: 1 ~ 6"
**Cast & Ductile Iron**

**BF 75-CI**
200 PSI  
Wafer Type  
Cast Iron  
Sizes: 2 ~ 48”

**BF 76-DI**
200 PSI  
Lug Type  
Ductile Iron  
Sizes: 2 ~ 48”

**Butterfly Valve Features:**
- Seat is Phenolic Backed Cartridge
- Sizes 2” through 12” in Stock
- Valve Bodies are Epoxy Painted
- Rated for 200 psi Bidirectional Service
- Extended Neck provides 2” of Piping Clearance
- Alignment Holes for easy Installation
- Designed in Accordance with ASME Class 125/150
- When ordered with Aluminum Bronze discs, Titan Butterfly Valves meet the requirements for **Lead Free** use in potable water systems. The lead content in the wetted surfaces of Titan Butterfly Valves with AB discs is 0.25% or less as determined by a weighted average. For more information on lead free requirements, contact Titan Flow Control, Inc.

**Universal Mounting Flange**
The cast-in actuator flange is universally designed in accordance with ISO 5211 standard dimensions. The mounting flange can accommodate all types of operators such as: 10-position handle kits, gear operators, electric actuators, and pneumatic actuators. For actuators, Titan FCI may provide both direct mount and bracket mount designs. Please contact Titan FCI about your specific automation requirements.

**Mounting Options**
Butterfly Valves are available with 10-position, actuator, gear box, and chain wheel mounting. Stem Extensions are also available.

**Butterfly Valve Actuation**
Titan FCI offers a complete line of Pneumatic Actuators and Electric Actuators.

**Pneumatic Actuator with Travel Indicator**

**Electric Actuator for Sizes 3” & Smaller**

**Actuator Accessories:**
- Three and Four-Way Direct Mount Solenoid Valves
- Pneumatic & Electro-Pneumatic Positioners
- Limit Switches
- Speed Controls
- Manual Override
- Lock Out Devices
- 4-20 MA and 3-15 PSI

**Electric Actuator for Sizes 4” & Larger**

**Pneumatic Actuator Mounting**

**Electric Actuator Mounting**

**Lead Free**
Butterfly Valve Discs Available!
Titan FCI has the capability of designing and fabricating a variety of products to your exact specifications. Our fabricated products include:

- "Y" Strainers
- Duplex Strainers
- Steam Jacketed Strainers
- Basket Strainers
- Orifice Plates
- Spectacle Flanges
- Temporary Strainers
- Plate Strainers
- Single Blinds
- "T" Strainers
- Ring Spacers
- Fiberglass Reinforced Plastic Strainers
- And much more....

Please contact the factory directly for any special projects or applications you may require.

Titan FCI can manufacture straining elements for all types of strainers including:

- "Y" Strainers
- "T" Strainers
- Basket Strainers
- Duplex Strainers
- Orifice Plates
- Spectacle Flanges
- Temporary Strainers
- Plate Strainers
- Single Blinds
- "T" Strainers
- Ring Spacers
- Fiberglass Reinforced Plastic Strainers
- And much more....

Titan FCI can manufacture straining elements in a wide variety of perforations, meshes, and materials (Type 304, Type 316, Alloy 20, Monel).

Perforated Screen
Wire Mesh with Perforated Backing
Wire Mesh

We can also provide replacement screens and baskets for our competitor’s strainers.

Just send us your prints, samples, or simply give us your requirements and let us design a straining element that is right for your application. In most cases, straining elements can be ordered by referencing Titan FCI’s or any other manufacturers’ strainer model number.

Replacement Screens & Baskets

Temporary Strainers
Titan FCI can also manufacture Temporary / Conical Strainers.

Temporary Strainer 'Pilgrim’s Hat’ Type
Temporary Strainer 'Witch’s Hat’ Type
Titan Flow Control, Inc. manufactures a complete line of very high quality pipeline strainers, double disc check valves, globe type silent check valves, and soft seated butterfly valves. Our product offerings include both a high quality import line as well as units crafted to meet full domestic requirements whenever needed.

Our management team has been designing and manufacturing industrial strainers for over 30 years. We have the ability to custom design units to conform to even the most complicated piping configurations imaginable. Our screen fabrication shop can quickly provide special screens in a wide selection of both perforated and wire mesh materials in sizes ranging from 20 through 500 mesh. We offer products fabricated from numerous alloys including bronze, ductile and cast iron, carbon steel, stainless steel, monel, alloy 20, nickel and hastelloy, as well as many others.

Every Titan unit is fabricated with premium components from certified vendors. The components that go into making a Titan FCI valve must conform to Titan’s rigid standards. To test for meeting conformity, on arrival, every component is subjected to and must pass multiple, rigorous quality inspection procedures. Every casting carries a foundry heat number for immediate identification and for subsequent traceability. All parts are precision machined on the newest and most modern numerical control machinery - all manufactured in strict adherence to internationally recognized standards and specifications, including ASME/API/NACE and ISO. All products manufactured by Titan FCI are 100% hydrostatically tested in accordance with applicable ASME API, MSS standards and customer specifications.

Titan FCI is proud to have earned one of the highest quality/price ratios of any reputable strainer/valve company in the world.

You will find the most impressive fact about a Titan FCI product is the product itself. Titan will be more than pleased to provide you with a sample of any product you request.

Martin Gibbons
President