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## ***PRODUCT GUIDE***

**GO  
WITH  
THE  
FLOW!**

***TITAN FLOW CONTROL, INC.***  
***YOUR PIPELINE TO THE FUTURE!***

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 ft<sup>2</sup> of office, warehouse, and manufacturing space.

- |                        |                            |                       |
|------------------------|----------------------------|-----------------------|
| • "Y" STRAINERS        | • "T" STRAINERS            | • BALL VALVES         |
| • BASKET STRAINERS     | • IN-LINE CHECK VALVES     | • BUTTERFLY VALVES    |
| • DUPLEX STRAINERS     | • SILENT CHECK VALVES      | • SUCTION DIFFUSERS   |
| • STRAINING ELEMENTS   | • WAFER TYPE CHECK VALVES  | • TRI-FLOW VALVES     |
| • FRP STRAINERS        | • GLOBE TYPE CHECK VALVES  | • FOOT VALVES         |
| • TEMPORARY STRAINERS  | • SINGLE DISC CHECK VALVES | • AUTOMATIC STRAINERS |
| • FABRICATED STRAINERS | • DUAL DISC CHECK VALVES   | • AND MUCH MORE...    |

**TELEPHONE: 910.735.0000**

# TITAN FLOW CONTROL, INC.

## "Y" Type Strainers

### Cast Iron



**YS 12-CI**  
Class 250  
Threaded  
Sizes: 1/4 ~ 3"



**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:**

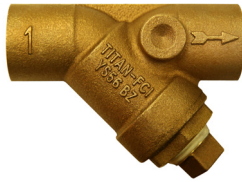
- Sizes 1/4" through 24"
- Pressure Classes 125 ~ 2500
- Standard materials
- Exotic materials
- All end connections

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

### Bronze & Brass



**YS 55-BR**  
**YS 55-BZ**  
Class 125  
Threaded  
Sizes: 1/4 ~ 3"



**YS 56-BR**  
**YS 56-BZ**  
Class 125  
Solder  
Sizes: 1/4 ~ 3"



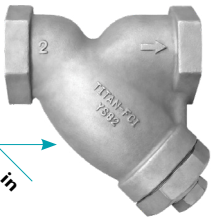
**YS 52-AB**  
Class 250  
Threaded  
Sizes: 1/4 ~ 3"



**YS 54-AB**  
Class 150  
Flanged  
Sizes: 2 ~ 12"

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

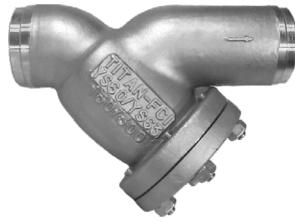
### Carbon & Stainless Steel



Available in  
WC6  
Alloy 20  
316L

**YS 81-CS**  
**YS 81-SS**  
Class 600  
Threaded  
Sizes: 1/4 ~ 3"

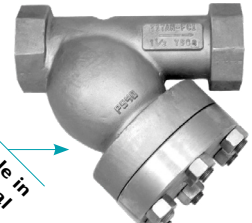
**YS 82-CS**  
**YS 82-SS**  
Class 600  
Socket Weld  
Sizes: 1/4 ~ 3"



**YS 63-CS**  
**YS 63-SS**  
Class 300  
Butt Weld  
Sizes: 1/2 ~ 12"



**YS 65-CS**  
**YS 65-SS**  
Class 600  
Butt Weld  
Sizes: 1/2 ~ 12"



**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"

Available in  
Additional  
Materials



**YS 61-CS**  
**YS 61-SS**  
Class 150  
Flanged  
Sizes: 1/2 ~ 24"



**YS 62-CS**  
**YS 62-SS**  
Class 300  
Flanged  
Sizes: 1/2 ~ 12"



**YS 64-CS**  
**YS 64-SS**  
Class 600  
Flanged  
Sizes: 1/2 ~ 12"

**High Pressure  
Models Available**

**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 70-CS**  
**YS 70-SS**  
Class 2500  
Flanged  
Sizes: 2 ~ 8"

**YS 71-CS**  
**YS 71-SS**  
Class 2500  
Butt Weld  
Sizes: 1 1/2 ~ 10"

# TITAN FLOW CONTROL, INC.

## Basket Strainers (Simplex)

### Cast Iron



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



**BS 25F-CI**  
Class 125  
Flanged  
Quick-Open Cover  
Sizes: 1 ~ 8"



**BS 55-CI**  
Class 125  
Flanged  
Clamp Cover  
Sizes: 2 ~ 12"

Available with  
bolted and  
clamped cover



**BS 65-CI**  
Class 125  
Flanged  
Bolted Cover  
Sizes: 2 ~ 12"

### Carbon & Stainless Steel



**BS 35-CS**  
**BS 35-SS**  
Class 150/300  
Threaded  
Sizes:  $\frac{3}{8}$ " ~ 3"



**BS 35F-CS**  
**BS 35F-SS**  
Class 150  
Flanged  
Sizes: 1 ~ 8"



**BS 85-CS**  
**BS 85-SS**  
Class 150  
Flanged  
Sizes: 2 ~ 12"

Available with  
bolted and  
clamped cover



**BS 86-CS**  
**BS 86-SS**  
Class 300  
Flanged  
Sizes: 2 ~ 12"

### Fiberglass & Aluminum Bronze



**BS 55-FRP**  
Class 150  
Flanged  
Sizes: 4 ~ 20"



**BS 95-AB**  
Class 150  
Flanged  
Sizes: 2 ~ 12"



**BS 25-CI**  
Quick-Opening -  
Knob Type Cover  
Sizes:  $\frac{3}{8}$ " ~ 3"

**BS 85-CS**  
Full Rated -  
Clamped Cover  
Sizes: 2 ~ 12"



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

Hi! I'm **NEW!**



**BS 87F-CS**  
**BS 87F-SS**  
Class 150  
Flanged  
Sizes: 1 ~ 16"



# TITAN FLOW CONTROL, INC.

## Duplex Strainers



### Cast Iron



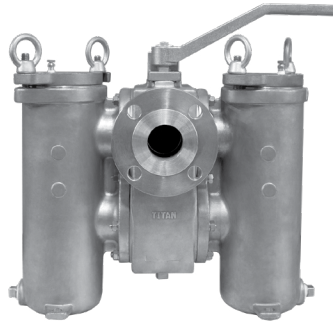
#### DS 595-CI

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 796-CS/SS DS 696-CS/SS DS 896-CS/SS

Class 150 Class 300  
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"



#### Foot Valve FV 50-DI

Class 150  
Flanged  
Ductile Iron  
Sizes: 2 ~ 12"

### Ball Valves



#### BV 25-SS

Male x Female  
3000 WOG  
Full Port Sizes: 1/4 ~ 1 1/2"  
Reduced Port Size: 2"



#### BV 60-BZ

600 WOG  
Male x Female  
Full Port Design  
Sizes: 1/4 ~ 2"



#### Suction Diffuser SD 22-CI

Class 125  
Flanged  
Cast Iron  
Sizes: 2 x 1 1/4 ~ 18 x 18"



#### Blow-off Valves

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

#### Foot Valves

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



# TITAN FLOW CONTROL, INC.

## Check Valves

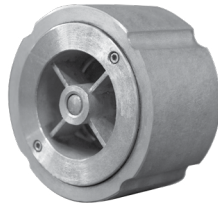
### Center Guided

Hi! I'm **NEW!**



Available with soft and metal seats

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



Available with soft and metal seats

**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: 3/8 ~ 3"



**CV 88T-SS**  
**CV 88S-SS**  
Class 300  
Threaded / Socket Weld  
Stainless Steel  
Sizes: 1/2 ~ 3"



Available with soft and metal seats

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



Available with soft and metal seats

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



Available with soft and metal seats

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



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

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

Hi! I'm **NEW!**



**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"

# TITAN FLOW CONTROL, INC.

## Butterfly Valves & Actuation

### 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"

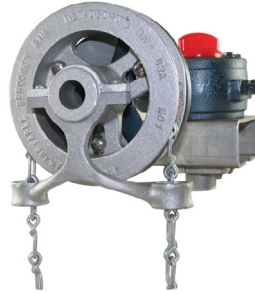
#### Butterfly Valve Features:

- 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.

**Lead Free\***  
**Butterfly Valve Discs**  
**Available!**

### Mounting Options

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



Chain Wheel



Gear Box

### 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.

### 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



Electric Actuator  
for Sizes 4" & Larger



Electric  
Actuator Mounting



Pneumatic  
Actuator Mounting

#### 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



# TITAN FLOW CONTROL, INC.

## Fabricated Products

### Fabricated Products

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

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



**Fabricated "Y" Strainer**



**Fabricated Basket Strainer**



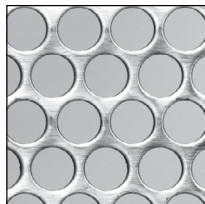
**Fabricated Duplex Strainer**

### Replacement Screens & Baskets

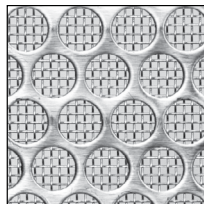
Titan FCI can manufacture straining elements for all types of strainers including:

- "Y" Strainers
- "T" Strainers
- Basket Strainers
- Duplex Strainers

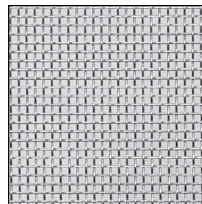
Titan FCI can manufacture straining elements in a wide variety of perforations, meshes, and materials (Type 304, Type 316, Alloy 20, Monel).



Perforated Screen



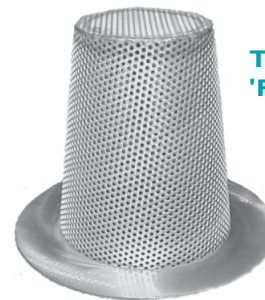
Wire Mesh with Perforated Backing



Wire Mesh

#### Temporary Strainers

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



**Temporary Strainer 'Pilgrim's Hat' Type**



**Temporary Strainer 'Witch's Hat' Type**

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.



## ***Titan Flow Control, Inc.*** ***A Letter from our President***

*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*

*Titan FCI's new manufacturing facility - right off of Interstate 95, Exit 17.*

