



Sure Flow
Equipment Inc.

INDUSTRIAL VALVES
AND STRAINERS

www.sureflowequipment.com



2011

Table of Contents

Commitment to Quality	1
Service Applications	1
Custom Fabricated Products	2-4
Fabricated Basket Strainers.....	2
Fabricated Y Strainers.....	2
Fabricated Tee Strainers.....	2
Fabricated Dual Basket Strainers.....	3
Custom Screens, Temporary Cone and Basket Strainers.....	3
Spectacle Blinds, Paddle Blinds, Paddle Spacers.....	4
Bleed Rings / Flushing Rings.....	4
Sanitary Strainers and Valves	4
Cast Strainers	5
Cast Y Strainers (NPT Threaded).....	5
Cast Y Strainers (Flanged).....	5
Cast Basket Strainers (Flanged).....	5
Check Valves	6-7
Retainerless Double Door Check Valves.....	6
Silent Check Valves.....	6
Wafer Swing Check Valves.....	6
Elastic Swing Check Valves.....	7
Horizontal Swing Check Valves.....	7
Foot Valves	7
Resilient Seated Butterfly Valves	8
Knife Gate Valves	8
Cast Iron Gate Valves	9
Cast Iron Full Port Ball Valves	9
Flexible Connectors	9
Automatic Strainers	10
Cast Duplex Strainers	10
Warranty	Back Cover

Commitment to Quality

Sure Flow Equipment Inc. features complete custom engineered design and fabrication expertise within a quality focused state-of-the-art manufacturing facility. Commitment to quality, customer satisfaction and continual improvement is integral to our manufacturing processes and ensures custom engineered strainers meet your design specifications and stringent quality requirements. We've made it easy for you to place your order with confidence.

Sure Flow Equipment Inc. provides industry with Custom Engineered Fabricated Strainers to many design codes. Custom products are designed and manufactured to ASME SECTION VIII, DIV 1, Current Edition. ASME "U" Code Stamp and ASME "UM" Code Stamp are available on certain products as specified in this brochure.

The Sure Flow Equipment Inc. list of Certifications includes:

ISO 9001:2008 Certificate of Registration
 ASME "U" Code Stamp Certificate of Authorization and
 ASME "UM" Code Stamp Certificate of Authorization
 (ASME Boiler and Pressure Vessel Code; ASME Section VIII, Div 1, Current Edition);

National Board Certified and authorized to apply the "NB" Mark for pressure vessels and/or pressure retaining items manufactured in accordance with ASME "U" Code Stamp and ASME "UM" Code Stamp;

TSSA (Technical Standards & Safety Authority) Certificate of Authorization for the manufacture of pressure vessels in accordance with ASME Boilers and Pressure Vessel Code, Section VIII, Division 1 and CSA Standard B51, Boiler, Pressure Vessel and Pressure Piping Code.

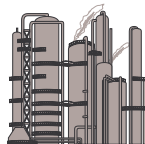
TSSA (Technical Standards & Safety Authority) Certificate of Authorization for the repair and alteration of boilers, pressure vessels, piping, and Category A, B, E & H fittings in accordance with CSA Standard B51, Boiler, Pressure Vessel and Pressure Piping Code.

CE Mark is available

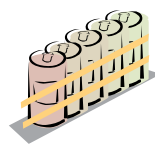
C-TPAT Certified (Customs-Trade Partnership Against Terrorism)

Recognized by PIP (Partners In Protection) for our C-TPAT status

Service Applications



Chemical Plants



Food Processing Facilities



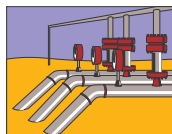
Sewage Treatment Industry



Steel Mills



Cement Manufacturing



Petrochemical



Mining Operations



Pulp and Paper



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Fabricated Strainers

Design Features:

Sure Flow Equipment's line of Fabricated Strainers are an essential part of any process system. These strainers provide inexpensive protection for costly pumps, meters, valves, turbines, compressors and more. Sure Flow Fabricated Strainers can be designed to your specific application in almost any material, size or pressure class with any number of possible features including but not limited to hinged covers, davit assemblies, steam jackets and flushing ports.



Fabricated Basket Strainers

- Size:** 2" thru 24"
- End Connections:** Flanged, Buttweld, RTJ, Socket Weld, Threaded
- Body Materials:** Carbon Steel, Stainless Steel, Alloy 20, Exotic Materials
- Pressure Ratings:** ASME Class 150 to 2500

Fabricated Y Strainers

- Size:** 2" thru 24"
- End Connections:** Flanged, Buttweld, RTJ, Socket Weld, Threaded
- Body Materials:** Carbon Steel, Stainless Steel, Alloy 20, Exotic Materials
- Pressure Ratings:** ASME Class 150 to 2500



Fabricated Tee Strainers

- Size:** 2" thru 24"
- End Connections:** Flanged, Buttweld, RTJ, Socket Weld, Threaded
- Body Materials:** Carbon Steel, Stainless Steel, Alloy 20, Exotic Materials
- Pressure Ratings:** ASME Class 150 to 2500



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Fabricated Strainers

Design Features:

Sure Flow Dual Basket Strainers are an innovative and economical alternative to conventional duplex strainers. They are designed for applications where flow cannot be shut down to service the strainer screen. Countless options and configurations are available because these strainer assemblies are custom fabricated.

Fabricated Dual Basket Strainers

Size:	2" thru 24"
End Connections:	Flanged, Buttweld, RTJ, Socket Weld, Threaded
Body Materials:	Carbon Steel, Stainless Steel, Alloy 20, Exotic Materials
Pressure Ratings:	ASME Class 150 to 2500



Temporary Strainers and Custom Screens

Design Features:

Sure Flow Custom Basket and Cone Strainers can be used for start-up of new or revamped piping systems, or custom fabricated to suit any non-standard filtration installation. Sure Flow Equipment Inc. offers a wide assortment of screen types to meet all your filtration needs, including: Cone/Conical Strainers, Basket/Hat Strainers, Reverse/Straight Flow Strainers, Plate Strainers, Wedge Wire Screens, Multiple Layer Screens and many more custom styles.



Custom Screens, Temporary Cone and Basket Strainers

Size:	1/4" thru 60"
Styles:	Cone, Basket, Plate, Custom
Construction Materials:	Carbon Steel, Stainless Steel, Exotic Materials
Pressure Ratings:	ASME Class 150 thru 2500



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Line Blinds



Design Features:

Spectacle Blinds, Paddle Blinds and Paddle Spacers are simple safety devices that install between two pipe flanges to aid in the isolation and maintenance of downstream equipment.

Spectacle Blinds, Paddle Blinds and Paddle Spacers

Size: 1" thru 24"

Finish: Standard Smooth Machine Finish

Materials: SA516 Grade 70,
304 Stainless Steel,
316 Stainless Steel

Pressure Ratings: ASME Class 150 thru 600

Bleed Rings / Flushing Rings

Design Features:

Sure Flow Bleed Rings and Flushing Rings provide a convenient way of taking samples, bleeding piping and instrumentation or flushing diaphragm seals.

Bleed Rings / Flushing Rings

Size: 1" thru 24"

Finish: 125-250 AARH Serrated Finish

Materials: SA516 Grade 70,
304 Stainless Steel,
316 Stainless Steel

Pressure Ratings: ASME Class 150 thru 600



Sanitary Strainers and Valves



Design Features:

Sure Flow Sanitary Basket Strainers, Sanitary Butterfly Valves and Sanitary Check Valves are designed for food and beverage, pharmaceutical, cosmetic and chemical applications.

Sanitary Strainers and Valves

Size: 1/2" thru 4"

End Connections: Try Clamp Ends

Body Materials: 316 Stainless Steel

Surface Finish: 25 Ra



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Cast Strainers

Design Features:

Sure Flow Cast Y Strainers and Cast Basket Strainers are designed to remove solids and particulate from flowing liquids, gases and other media by means of a perforated metal or wire mesh straining element. These strainers provide the ultimate protection for pumps, valves, nozzles and related equipment.

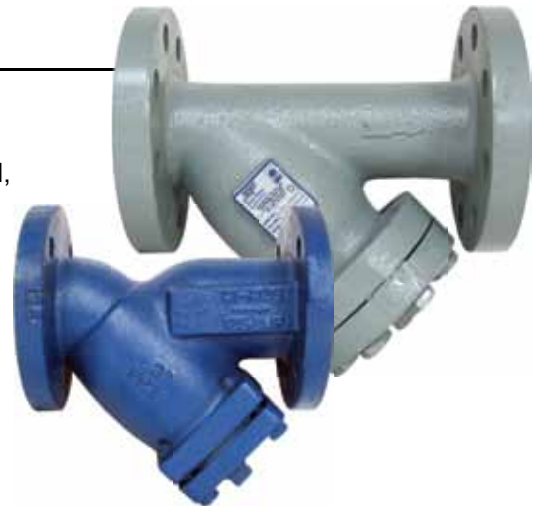


Cast Y Strainers

Size:	1/4" thru 3"
End Connections:	Threaded, Socket Weld
Body Materials:	Cast Iron, Cast Bronze, Cast Steel, Cast Stainless Steel, Cast Alloy 20, Cast Chrome-Moly
Pressure Ratings:	
<i>Cast Iron</i>	ASME Class 250
<i>Cast Bronze</i>	ASME Class 150 & 300
<i>Cast Steel</i>	ASME Class 600 & 1500
<i>Cast Stainless Steel</i>	ASME Class 600 & 1500
<i>Cast Alloy 20</i>	ASME Class 600
<i>Cast Chrome-Moly</i>	ASME Class 1500

Cast Y Strainers

Size:	1/2" thru 24"
End Connections:	Flanged, Buttweld, RTJ
Body Materials:	Cast Iron, Cast Ductile Iron, Cast Steel, Cast Stainless Steel, Cast LCC
Pressure Ratings:	
<i>Cast Iron</i>	ASME Class 125
<i>Cast Ductile Iron</i>	ASME Class 250
<i>Cast Steel</i>	ASME Class 150 thru 1500
<i>Cast Stainless Steel</i>	ASME Class 150 thru 1500
<i>Cast LCC</i>	ASME Class 900 & 1500



Cast Basket Strainers



Size:	1/2" thru 20"
End Connections:	Flanged, Threaded, Socket Weld
Body Materials:	Cast Iron, Cast Ductile Iron, Cast Steel, Cast Stainless Steel
Pressure Ratings:	
<i>Cast Iron</i>	ASME Class 125
<i>Cast Ductile Iron</i>	ASME Class 125
<i>Cast Steel</i>	ASME Class 150 & 300
<i>Cast Stainless Steel</i>	ASME Class 150 & 300



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Check Valves

Design Features:

The wide variety of Check Valve designs offered by Sure Flow Equipment allows us to provide the optimal solution for all your application requirements. Sure Flow Check Valves are designed to prevent flow reversal which eliminates water hammer and surges associated with valve closure.



Retainerless Double Door Check Valves

- Size:** 2" thru 54"
- End Connections:** Wafer, Full Flanged, Lug, Hub
- Body Materials:** Cast Iron, Cast Steel, Cast Stainless Steel, Cast Aluminum Bronze
- Trim Materials:** Stainless Steel Disc, Metal, Viton® or Buna-N Seat
- Pressure Ratings:** ASME Class 125 thru 2500

Silent Check Valves

- Size:** 2" thru 24"
- End Connections:** Wafer, Flanged
- Body Materials:** Cast Iron, Cast Steel, Cast Stainless Steel
- Trim Materials:** Stainless Steel Disc and Seat
- Pressure Ratings:** ASME Class 125 and 150



Wafer Swing Check Valves

- Size:** 2" thru 16"
- End Connections:** Wafer
- Body Materials:** Cast Iron, Cast Stainless Steel
- Trim Materials:** Stainless Steel Disc, Buna-N Seal
- Pressure Ratings:** ASME Class 125 and 150



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Check Valves



Elastic Swing Check Valves

Size:	2" thru 24"
End Connections:	Flanged
Body Materials:	Ductile Iron
Trim Materials:	Buna-N with steel and fabric reinforced disc
Pressure Ratings:	ASME Class 125

Horizontal Swing Check Valves

Size:	2" thru 20"
End Connections:	Flanged
Body Materials:	Cast Iron
Trim Materials:	Bronze ASTM B62
Pressure Ratings:	ASME Class 125



Foot Valves

Design Features:

Sure Flow Foot Valves are designed for liquid service and are ideal for municipal and industrial applications.



Foot Valves

Size:	2" thru 24"
End Connections:	Flanged
Body Materials:	Cast Iron, Cast Ductile Iron, Cast Steel, Cast Stainless Steel
Trim Materials:	Stainless Steel, Buna-N
Pressure Ratings:	ASME Class 125 & 150



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Resilient Seated Butterfly Valves

Design Features:

Sure Flow Butterfly Valves are an excellent choice for your Butterfly Valve requirements. They combine the cost effectiveness of an economical Butterfly Valve with the performance you expect in a high quality commercial, HVAC and industrial Butterfly Valve.



Resilient Seated Butterfly Valves

Size:	2" thru 48"
End Connections:	Wafer, Lug
Body Materials:	Ductile Iron
Disc Materials:	Ductile Iron, 316 Stainless Steel
Seat Materials:	Buna-N, EPDM
Pressure Ratings:	ASME Class 125 and 150

Knife Gate Valves

Design Features:

The standard Sure Flow Knife Gate Valve is extensively used in pulp and paper, sewage treatment, chemical, food processing, steel mills, mining, and petrochemical industries. The Sure Flow Scavenger Knife Gate Valve features a hardened beveled gate and hardened seat designed for shearing and sealing. Various accessories including actuation are available.



Knife Gate Valves

Size:	2" thru 48"
End Connections:	Full Lug
Body Materials:	316 Stainless Steel, 317 Stainless Steel
Seat Materials:	Viton [®] , Metal, Teflon [®] , EPDM
Pressure Ratings:	ASME Class 150



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Cast Iron Gate Valves



Design Features:

Sure Flow Cast Iron Gate Valves are used in commercial and industrial applications. Typical uses include hot and cold water, HVAC and other general utility services.

Cast Iron Gate Valves

Size:	2" thru 24"
End Connections:	Flanged
Body Materials:	Cast Iron
Pressure Ratings:	ASME Class 125

Full Port Cast Iron Ball Valves

Design Features:

Sure Flow Quarter Turn Ball Valves have the same face to face as standard Class 125 Gate Valves. These valves provide a simple and economical solution for on/off applications. Actuation is available.

Full Port Cast Iron Ball Valves

Size:	2" thru 10"
End Connections:	Flanged
Body Materials:	Cast Iron
Pressure Ratings:	ASME Class 125



Flexible Connectors

Design Features:

Flexible Connectors allow variable pressure, temperature and movement at a very reasonable cost. Solid plate steel flanges grip the sealing area and provide a fluid tight connection.

Flexible Connectors / Expansion Joints

Size:	3/4" thru 24"
End Connections:	Flanged, NPT
Styles:	Single Sphere, Twin Sphere
Construction Materials:	Zinc Plated Cast Steel, Reinforced Neoprene
Pressure Ratings:	ASME Class 150



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Automatic Strainers

Design Features:

Automatic Self-Cleaning Strainers provide continuous debris removal from fluid piping systems where unattended service, high solids loading and/or uninterrupted flow requirements deem a Basket Strainer and its attendant maintenance problems impractical.



Automatic Self-Cleaning Strainers

Size:	1" thru 48"
End Connections:	Screwed, Flanged
Body Materials:	Cast Iron, Carbon Steel, Stainless Steel, Exotic Materials
Pressure Ratings:	
<i>Cast Iron</i>	ASME Class 125
<i>Carbon Steel</i>	ASME Class 150, 300 & 600
<i>Stainless Steel</i>	ASME Class 150, 300 & 600

Cast Duplex Strainers

Design Features:

Sure Flow Cast Duplex Strainers are used for liquid services. Incorporation of two strainer baskets and one integral valve assembly enables flow diversion and basket isolation which allows for easy cleaning without any disruption in flow.

Duplex Strainers

Size:	1/2" thru 8"
End Connections:	Threaded, Flanged
Body Materials:	Cast Iron, Cast Bronze, Cast Steel, Cast Stainless Steel
Pressure Ratings:	
<i>Cast Iron</i>	ASME Class 125
<i>Cast Bronze</i>	ASME Class 150
<i>Cast Steel</i>	ASME Class 150
<i>Cast Stainless Steel</i>	ASME Class 150



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Sure Flow Equipment Inc. – Limited Warranty

All products are warranted to be free of defects in material and workmanship for a period of one year from the date of shipment, subject to below. **All custom products are not subject to return, credit or refund.**

If the purchaser believes a product to be defective, the purchaser shall:

- (a) Notify the manufacturer **within ten (10) days after receipt of merchandise**, state the alleged defect and request permission to return the product. Merchandise will not be accepted for return without a "Return Code" clearly marked on the outside of the package. Contact the office to obtain a return code. **Merchandise will not be accepted for return or credit later than six (6) months after invoicing.**
- (b) If permission is given, return the product with the transportation prepaid. Collect shipments will not be accepted. Goods must be returned **prepaid**.

If a shipment is received in a damaged or deficient condition, a claim must be filed with the delivering carrier and noted on the freight bill before you accept the merchandise. All other claims must be made in writing and received by Sure Flow Equipment Inc. within ten (10) days after receipt of merchandise.

If the product is accepted for return and found to be defective, the manufacturer will, at its discretion, either repair or replace the product, F.O.B. factory, within 60 days of receipt, or issue credit for the purchase price.

Sure Flow Equipment Inc. shall not be liable for failure to deliver or delays in delivering occasioned by acts of God, war, labor difficulties, inability to obtain materials or any other causes whatsoever beyond our control.

Other than to repair, replace or credit as described above, purchaser agrees that manufacturer shall not be liable for any loss, costs, expenses, or damages of any kind arising out of the product, its use, installation or replacements, labeling, instructions, information or technical data of any kind, description of product use, sample or model, warnings or lack of any of the foregoing.

NO OTHER WARRANTIES, WRITTEN OR ORAL, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE AND MERCHANTABILITY, ARE MADE OR AUTHORIZED. NO AFFIRMATION OF ACT, PROMISE, DESCRIPTION OF PRODUCT OR USE OR SAMPLE OR MODEL SHALL CREATE ANY WARRANTY FROM MANUFACTURER, UNLESS SIGNED BY THE PRESIDENT OF MANUFACTURER.

CANCELLATIONS:

Cancelled orders will be subject to a charge of at least 35%.

Cancelled custom orders will be subject to a charge of 100% of quoted price.

MINIMUM BILLING: \$100.00 NET

SPECIAL DOCUMENTATION:

A charge will apply for non-standard, special documentation requests such as Material Test Reports (MTR's) and Certificates of Conformance (COC's).

Product shipping weights are approximate and subject to variances depending on packaging methods/requirements.



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