



EQUIPMENTS FOR
MINI & LARGE FOOD
FACTORIES



What would dairy processors do without pumps, valves and fittings?

Consumers never see them, probably don't know what they are and most likely don't care.

Processors want them to be easy to install, easy to repair (if necessary) and easy to keep clean.

Pumps, valves and fittings may not be tasty like milk, cheese and ice cream, but without them, making these dairy foods would be all the more difficult.

It shouldn't come as a surprise that today's manufacturing trends and innovations are showing up at virtually all levels of food and beverage processing. The industry's shift to more efficient, automated and sanitary equipment is evident right down to the pumps, valves and fittings that transfer product from one part of a plant to the other. Such parts of the whole, can be integral to overall operations.

Each component in this area--pumps, valves and fittings--have their own important role and often are designed with function-specific innovations. For instance,...



Sanitary Hygienic Pumps

Stainless steel centrifugal pumps coupled with electric motor/diesel engine available capability 1,00,000 Ltrs/Hr

4-5



Sanitary Ball / Butterfly Valves

Manual Ball/Butterfly valves with End connections to SMS, DIN, IDF, ISO, RJT. Optional with cylinder actuator

10-12

& 15



Sanitary Pipe fittings / Screwed fittings

OD/Tube fittings for hygienic product sanitary applications, screwed fittings for high pressure pipe lines.

8-9



Manual control valves / strainers

Products: Plug, Ball, Butterfly, Check, Sampling cock, Tube filters, Spray balls etc.

7-16



Pneumatic control divert valves

One piece, two piece & three piece with clamped-in seat divert valves with think top.

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Sanitary tanks & vessels

Stainless Steel tanks, Kettles, Agitators, Balance tanks, Road Milk tankers, Mixers & Silos.

12



Tanks cleaning in place system

Customized cleaning in place systems, Can washer/ Crate washer, High pressure engine coupled pumps etc.

13-14



Investment castings - Job works

Precision investment casting in stainless steel, Nickel chrome alloys, 17/4ph weighing upto 20Kgs (Single component)

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Company Profile

Group family specializing in food processing equipment, Pumps, Valves & Pipe fittings in four manufacturing plants.

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WE MAKE YOU FLOW THE MOST EFFICIENT WAY



Hygenic Centrifugal Pumps

Sripumps Centrifugal Pumps are built in a very wide range of models, with closed and open impellers. Intended to be used in the following fields: food, pharmaceutical, chemical and water processing. Maximum modularity of the components. All the parts in contact with the product to be pumped are built in AISI 316 and/or AISI 316L stainless steel

Our R & D and executional capabilities cover the entire gamut of pumping solutions in food processing segment. Our range of pumps starts from 0.37KW to 11.15KW. So if there's one thing our clients can be sure of with us, it is the certainty that there's no problem too big, no hurdle too small.

Engine - Coupled Pump

Sripumps Engine coupled Pumps meets the uncompromising requirements in hygiene to ensure the gentle product treatment in food / Agro process industries. The pump is compactly designed by extending the SS Shaft coupled with engine with complete alignment to facilitate draining any leakage through packing, results in perfect sealing.

The main feature of this pump is its mobility, the pump is duly provided with an attractive Stainless Steel Trolley with support, it can be carried any where and can be operated easily. The material construction of these pumps are Stainless Steel 316G makes them more suitable for Food, Pharma, Cosmetic, Breweries and Milk Processing Industries.

These pumps have low noise, simple, efficient and economic design and are easy to maintain, they can run by Petrol, Kerosene & Diesel made available in three different capabilities T-20, T-35, T-50.

A **Honda**
& **Sri** make
Product

For further details please contact :

SRI PUMPS MFG COMPANY

11-49, Pidimgoyya,
Morampudi Junction,
Rajahmundry - 533103.

Tel : 91-883-5577824,

Fax : 91-883-2430819

email : sripumps@rediffmail.com



Available Models
T-20, T-35, T-50.

Key to maximum flexibility

Single / Double Seat Valves

The seat valve, either divert or shut-off, is a pneumatic single seat valve, its design is more hygienic than the majority of the valves normally used in the food-processing industry. These valves have a wide range of applications in the food processing, beverages, pharmaceutical and fine chemicals industry, they are used either individually or in manifolds. The single seat valves are operated by means of a single - or double-acting actuator though the manual option is also available.

The standard version of the valve with an actuator is normally closed (against failure of air supply), but the valve can be changed to normally open by simply reversing the position of the actuator.

Features:

- 1 1/2" through 4" tube size
- 150 p.s.i. product pressure rating
- 50 p.s.i. air pressure to actuate 4" actuator (1 1/2", 2" models) or 6" actuator (2 1/2", 3", 4" models)
- Sturdy, machined spherical bodies in three options: one piece, two piece, and two piece with clamped-in seat
- Elongated center to face body dimensions for easy manifolding
- Tee or cross configurations; "S" line, "I" line or butt-weld port connections
- Three-ring FKM (Fluoroelastomer) or EPDM seats
- Micro switches or proximity switches; with or without solenoid valve



Think Top



Manual Control Valves & Strainers



The Company is professionally managed by a Group of Engineers with wide experience in the field of process Engineering. The Company manufacturing quality Stainless Steel Strainers of various types and sizes, with Triclover Clamp & Unions welded to the End connections, its range of Strainers includes Conical, Tubular, Simplex and Duplex type.

Manual Plug Valves

Plug valves have the longest service history of sanitary valves still in common use. They are manually operated and simple and easy to use. Plug Valves consist of a stainless steel body and a conical plug that is rotated in the body to stop or divert the flow.

- 2-Way Plug Valve is used only as a Shutoff Valve
- 3-Way Plug Valve may be used as a divert to change the flow direction or as a Shutoff Valve.

Other manual valves :

Ball valves, Butterfly valves, Check valves, safety relief valves, sampling valves, divert valves, spray balls, gaskets and other sanitary equipments

Sanitary Stainless Steel



From our wide range of products we are always able to offer customers the most efficient solution for their needs.

Sripumps offers a complete line of standard and specialty fittings available in 304 or 316L stainless steel in a variety of different polish and finish combinations.

Under the efforts of technicians, our company has introduced more advanced numerically control equipments and specialized in manufacturing sanitary stainless steel valves, sanitary fluid fittings, pipeline connection units, etc. All our products are developed according to our customers technical advice which are strictly in confirm to the specification of industrial standards (ISO, DIN, IDF, 3A AND SMS).

All the products have been widely applied in pharmacy, beer, food, dairy, beverage, cosmetic, chemical industry, etc.

We provide modular concepts that are immensively versatile and flexible at reasonable price.

General Pipe Fittings

Products



90° Elbow



Tee



Street Elbow



45° Elbow



Cross



Round Cap



Hex. Cap



Coupling



Half Coupling



Socket



Square Plug



Hex. Plug



Union (F/F)



Union (M/F)



Butt Weld Union



Socket Weld Union



Hex. Nipple



Welding Nipple



Barrel Nipple



Close Nipple



Hose Nipple



Barrel Hose Nipple



Weld Spud



Hex. Nut



Reducing Socket



Hex. Bush



Reducing Hex. Nipple



Reducing Elbow



Reducing Tee



Elbow Union (F/F)

MRK offers the broadest range of stainless steel fittings to MSS-SP114 of USA, JIS Standards, ISO standards and conforming to PED 97 / 23/EC requirements.

Fittings are produced from investment castings through in-house lost wax process foundry.

Fittings are machined in special purpose machines and CNC turning centers with dedicated fixtures to assure reliable products. 100% of the fittings are pressure tested with air under water to assure defect free products

Manual and Actuated Butterfly Valves



Sripumps designs, develops and manufacture butterfly valves with different end combinations. These butterfly Valves offer great durability and ease of use for a wide range of services. Easy to install and maintain, butterfly valves close under pressure to form a leak-tight seal.

Features:

- All Stainless Construction: Forged, precision-machined body and electropolished disc
- Sanitary finish
- FDA-Approved materials: choice of elastomeric seats
- Complete line of manual and air actuators with control top options
- Symmetric, metal-to-metal body interface will not over-compress body gasket
- Visual indication of open/closed position
- Open bottom stem seal for positive leak detection

Options:

- Choice of 304SS or 316SS with sanitary finishes
- Valve/Connection size: ½", ¾", 1", 1½", 2", 2½", 3", 4", 5"
- Connection types: S-Line or Butt weld (others on application)
- Seat material: EPDM, White Silicone, or Fluoroelastomer (Viton®)
- Manual handles available in 7 functional designs
- Automatic (air operated) Actuators available in 6 designs with control top options
- Other special designs are available upon request: (Double block and bleed for product separation and protection or Three-piece design with intermediate flanges)

Applications:

- Start/stop flow; plus throttling capability
- Max. pressure: ½" to 1½" = 260 psi (17.9 bar), 2" to 6" = 174 psi (12 bar)
- Max. temperature: 275° F (135° C); steam, short term: 284° F (140° C)



Actuator For Butterfly Valve :

- 6 kg/M high torque for whole closed.
- 4.5 bar low air pressure design.
- Full stainless steel components.
- Spring polished surface for sanitary required
- 300K times safety test.
- 2year operation guarantee.
- Air open/spring close or air by air can be fit with switches adapter and indication micro switch, and Solenoids control way.



From the simplest to the most complex design, We have the cost effective answer



PROCESS VESSELS AND STORAGE TANKS - *For Every Application*

SSEC has the depth and breadth of experience and expertise in the design and manufacture of stainless steel process and storage vessels and is able to offer capacities up to 100,000 litres although the majority are in the 100 to 30,000 litres range. A variety of features include agitation, heating/cooling systems, sterile air top blanket systems and hazardous environment working conditions.

A complete range of vessel types is available:

- Single skin
- Jacketted for heating and/or cooling (e.g. dimple or plain)
- Insulated
- Clad (e.g. fully welded stainless steel, rivetted, plastic coated steel)
- Agitated (e.g. turbine, impellor, gate, high shear)

The quality of SSEC stainless steel vessels is renowned and they can now be found in such diverse industries as Tobacco, Pharmaceutical, Fine Chemical, Aerosol, Personal Care and Cosmetic in addition to the Dairy, Food and Beverage Industries upon which the company was founded.

Contact us at :
ssengr.1@gmail.com
SS ENGINEERS & CONSULTANTS
INDIA

Cleaning in place

CIP SYSTEMS - ENGINEERED TO MEET SPECIFIC REQUIREMENTS

SSEC has more than 10 years experience in supplying Cleaning In Place (CIP) system solutions to the dairy, food and liquid processing industries. Our wealth of experience and continued product development enables us to offer a broad range of systems to satisfy customer's individual requirements.

SSEC recognises that every client has specific needs varying from high production requirements to budgetary constraints. Even space limitations can affect the approach to an application. Each and every new CIP system design is based on a consolidation of the customer's core requirements and the experience and know-how of SS Engineers.



SSEC Capabilities

We offer total system integration including:

- Site surveys
- Advice on cleaning regimes
- Design, installation and management of associated pipework and systems on site

A full range of support services are available to compliment all or any of our process systems including:

- Process Design
- Project Management
- Automation and Control
- Construction Design and Management
- Hygienic Fabrication
- After Sales Service

For further information contact please us

**Precision, Intelligence
& Customer Focus
govern quality of
service we provide**



Crate / Can Washers

Washing crates fast and without problems at low costs

For many years, SSEC designs, develops and produces washing units for washing crates, barrels, tubs, bins, plates etc. SSEC has a big choice of standard machines, as well as customized models. All units are equipped with a powerful cleaning pump to achieve good results. This pump is a, in practical experience proven, guarantee for excellent washing results.

Possibilities

- Crate washing units with several capacities
- Different types of dryers
- Stacker/ Unstacker
- Pre-rinsing section with high pressure
- Proportional dosing pump
- Supply and outlet lines
- Disinfection sector

Standard machines

SX 400/600 WCR RH/LH
SX 600/800 WCR RH/LH
SX 800/1200 WCR RH/LH

Other Products

Can Washers, Drum Washers,
Containers, Tubs, Pallets,
Barrel Washing units, CIP units



Contact us at :
ssengr.1@gmail.com
SS ENGINEERS & CONSULTANTS
INDIA

Manual and Actuated Ball Valves

Ball valves offer great durability for a wide range of services. Easy to install and maintain, ball valves have positive loaded seals to provide leak-proof dependability. Full ported, straight-through ball valves free the flow path from obstructions. As a result, pressure drops across the valves are the lowest of any valve type.



Features:

- All Stainless Construction: Forged Body and ball
- Full port opening for unrestricted flow in the open position
- Sanitary finish
- Three-piece design with positive-backed seals
- FDA-Approved materials: reinforced PTFE seats, EPDM O-Rings
- Cavity flush feature allows natural flushing action within the valve cavity

Options:

- Choice of 304SS or 316SS
- Valve/Connection size: ½", ¾", 1", 1½", 2", 2½", 3", or 4"
- Connection types: S-Line or Butt weld (others on application)
- Manual handles available in 5 functional designs
- Automatic (air operated) Actuators available in 6 designs with control top options
- Other special designs are available upon request

Applications:

- Start/stop flow (not recommended for throttling)
- Max. pressure: ½" to 1½" = 260 psi (17.9 bar), 2" to 4" = 174 psi (12 bar)
- Max. temperature: 275° F (135° C); steam, short term: 284° F (140° C)
- Contact factory for product recovery (pigging) applications
- Commonly used for air, water and other utilities



*The right
solution for
your
application*

An Ideal solution for all applications



The MARK[®] valve brand has been synonymous with SS valves for decades with bore diameters that range from 1-1/2" to 4". We've learned over the years that each valve has to be specifically designed and built to perform to the customer's specific service conditions.

From design through delivery, we focus on providing you with an extraordinary value in a valve that has the right design, the right price and the right delivery time.



SPECIFICATIONS:

- Stainless Steel body
- Excellent corrosion resistance
- Full Port Design, 1000 PSI
- Minimal pressure drop
- Threaded Ends / Flanged Ends / Butt Weld Ends / Tri-Clamp or Tube OD Ends
- ISO 5211 Direct mounting pad
- Blowout Proof Stem for Safety
- Adjustable Packing Gland
- Solid Ball Construction
- Pressure Balanced Ball
- Interior Wetted parts polished to 180 Grit RMS (0.51 to 0.64 micron)
- Stainless Locking Lever Handle
- Ability to lock valve in open or closed position

Valves that resists
almost all aggressive
medias



THE COMPANY - INVESTMENT CASTING - SPF

Sri Pumps is one of the leading manufacturers of a complete range of Precision Investment Castings.

The Company is having extensive experience in Precision Investment Casting Technology and is well prepared to serve the complete Investment Castings requirements of any Industry.



- ❖ Finest manufacture of Precision Castings.
- ❖ Relevant Trained Field Staff / Engineers.
- ❖ Preparation of Alloys from all grades of International Standards.
- ❖ Quick melt from Solid State Induction Furnace.
- ❖ One disposable pattern used for single metal part.
- ❖ Full Fledged Lab facility to control Metallurgical & Chemical properties prior to and after pouring.
- ❖ Assuring highest standards in quality and expert technical service.
- ❖ Capability in achieving great precision & consistency.
- ❖ Quality Certification available on request.

श्री Sri Pumps & Fittings Industrial Corporation

SRIPUMPS founded in 1999 develops designs, manufactures and markets a wide range of Stainless Steel tube fittings, Pumps, valves and vessels

SRIPUMPS uses advanced production methods in its 5, 000 sq.m plant in the south of India and this. Together with its wide experience, guarantees superior quality products

SRIPUMPS has an established reputation in the Semiconductor, Pharmaceutical, Bio – Chemical and Food Industries

SRIPUMPS is ISO 9001:2000 certified, and its products also meet the following standards:

- TUV
- ASME BPE
- 3A
- DIN
- ISO
- SMS
- BS / RJT

Innovation, Reliability and Service combined with top quality products are what SRIPUMPS offers its clients, and it is this that has earned SRIPUMPS its world-wide reputation.

We at sripumps, invite you to view our catalog and to contact us at our offices for further information regarding our products.

Partner Companies :



Sripumps Mfg. Co.




MRK Industries



SS Engineers & Consultants





Manufacturers of Dairy, Pharma, & Chemical equipments, Tanks & Vessels, Industrial Cleaning equipments, Turnkey piping projects, Sanitary Valves, Fittings & Pumps for process industries



Sri Pumps Manufacturing Company,

D.No. 11-49/1, Pidimgoyya,
Morumpudi Junction, Rajahmundry - 533103
(Andhra Pradesh) India.
Phone : 0883 - 91 883-2462990,3256663,4,7,8
3956668, 2426845,
Fax : 0883 - 2430819, 2468118
E-Mail : sripumps@rediffmail.com
Website : www.sripumps.com



MRK Industries

D.No. 11-49, Pidimgoyya,
Morumpudi Junction, Rajahmundry - 533103
(Andhra Pradesh) India.
Phone : 0883 - 91 883-2462990,3256663,4,7,8
3956668, 2426845,
Fax : 0883 - 2430819, 2468118
E-Mail : mrkindustry@yahoo.co.im
Website : www.markvalves.com



SS Engineers & Consultants

D.No. 11-49/2, Pidimgoyya,
Morumpudi Junction, Rajahmundry - 533103
(Andhra Pradesh) India.
Phone : 0883 - 91 883-2462990,3256663,4,7,8
3956668, 2426845,
Fax : 0883 - 2430819, 2468118
E-Mail : ssengr.1@gmail.com



Sri Pumps & Fittings Industrial Corporation

D.No. 89-18-45, Morumpudi Junction,
Rajahmundry - 533103 (Andhra Pradesh) India.
Phone : 0883 - 91 883-2462990,3256663,4,7,8
3956668, 2426845,
Fax : 0883 - 2430819, 2468118
E-Mail : sripumps@rediffmail.com
Website : www.spfic.com