



Steelfab Engineering



Oil and Gas

Fertilizers

Chemicals



Environment Friendly

Economical

Reliable

Safe, Fast and Easy

Company Profile



SEPL was established in the year 1995 vide Certificate of Incorporation No. 11-85768 on date 21.02.1995. Company is managed by team of Directors with vast experience and expertise in their respective fields of Operation. SEPL is an ISO 9001:2008 Certified Company for Design, Manufacture and Supply of Loading Arm Systems / Unloading Arms Systems, Independent Swivel Joints, Storage Tanks, Floating Suction Assemblies, Prover Tanks and Manufacturer of Mechanical Seal Support Systems viz. Coolers, Pressure Vessels, Thermosyphons and APL plan 52/53. SEPL is NSIC registered company for above products.

SEPL's quality policy is to enhance customer satisfaction by supplying the world-class quality products at right time and at right price.

Products and Services

- Prover Tanks
- Storage Tanks
- Pressure Vessels
- Mechanical Seal Support Systems
- Heat Exchangers
- Thermosyphons
- APL Plan 52/53

Supply and Commissioning of Mini Petrol pumps SS / MS Fabrications as per customers Requirements Servicing of Loading Arms.

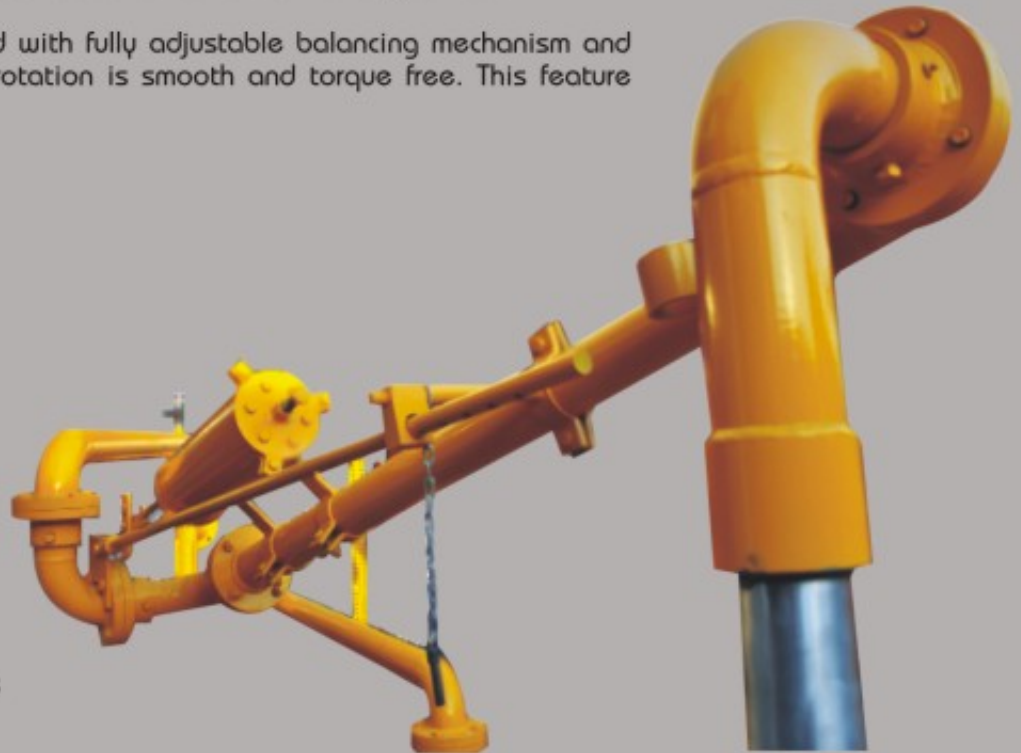


Loading / Unloading Systems

These are well - suited for transferring petroleum products, Asphalt, LPG, Ammonia, Solvents, Acids, Alkalies, Hazardous corrosive liquids, milk and Edible oils etc.

Steelfab's System eliminates the expensive, bulky, clumsy use of hose pipe. At the same time they offer reduced labour cost and user friendly features.

Steelfab's system is equipped with fully adjustable balancing mechanism and 360 Swiveling. Swivel joints rotation is smooth and torque free. This feature avoids operational fatigue.



Features :

Simple Trouble free Operations

Reduced labour cost

No spillage, Hence Zero wastage

Available in various materials of construction & sizes, Pantograph Style and cantilever style etc. Repairable in the field. Hazardous Liquids can be handled safely. do not pollute the environment. No recurring cost of House pipes. Simple Trouble free operations.

Specification :

Available material of construction: Carbon steel, Aluminium, SS316, 316 L, 304,304L or as per compatibility.

Optional Accessories :

Ball Valve, Valve Automation System, Drain Valve, Vacuum Breaker, Vapour Recovery systems, Bellows Assembly. QRC, Locking device in working position. Overfill protection system to avoid spillage during filling. Sensing device to avoid accidental removal of loading arm from tanker. [Junction Box, Annunciator, hooter, Light Indicator]

Elastomers :

Nitrile, Neoprene, Viton, PTFE, EPDM or as per compatibility.

Sizes :

1", 1½", 2", 2½", 3", 4" & 6".

Other Sizes as per requirements.

Balancing :

- By spring box
- By counter weight

Application :

- Oil Terminals / Depots
- Tank Farms
- Petrochemical / Chemical Complexes
- Refineries
- Edible Oil Plants
- Fertilizer Plants
- Milk dairies & many others

Floating Suction Assembly

Steelfab Engineering Pvt Ltd manufactures floating suction assemblies for use in horizontal or vertical above or below ground storage tanks where little or no contamination can be tolerated. Since the fuel near the top is least likely to contain foreign particles, this floating suction assembly is designed to float near the top of the liquid surface and draw from this near-surface, contamination-free liquid. All of our floating suctions are designed for long, trouble-free life and nearly maintenance free.

we also provide the services like onsite installation and commissioning service or assistance for installation and commissioning.



Features :

- Two models available: single or double swivel joint type floating suction, according to tank size
- Various sizes available according to tank characteristics
- Permanently lubricated swivel joints
- The Floating Suction unit can be installed and operated in a fixed roof, external floating roof and an internal floating roof tank

Specification :

Available material of construction: Carbon steel, Aluminium, SS316, 316 L, 304,304L or as per compatibility.

Benefits :

- Maintenance free
- Long service life
- Decrease maintenance of filter and separators
- Reliable, secure and uncontaminated transfer
- Smooth controlled operations

Application :

- Oil and gas Industries - Oil and Petrol storage tanks.
- Chemical Industries - Chemical storage tanks
- Food industries - Oil, Beverage storage tanks

Prover Tanks

Steelfab Engineering Pvt. Ltd. offers Prover tanks of capacity 50 ltrs to 5000 ltrs with variety of material of construction and designed as per Indian Standard and International standard under the certification of weights and measures.

We offer stationary as well as mobile prover tanks for use in checking commercial bulk measures, Vehicle tanks, Bulk meters etc. these are all made with same accuracy and quality as the smaller test measures. These provers are easy to use, reliable and low cost way to measure the output accuracy of liquid metering equipments.

For companies it is necessary to concern fairness and accuracy when liquid are sold, so after necessary time frame it is required to calibrate measuring devices. Hence this prover tanks are portable in nature and prove the accuracy of measuring devices on site.



Ordering Parameters

Material of Construction :

- a. SS 304
- b. SS 304 L
- c. SS 316
- d. SS 316 L

Capacity of Prover Tank :

- C1 50 Litres C2 100 Litres
- C3 200 Litres C4 500 Litres
- C5 1000 Litres C6 1500 Litres
- C7 2000 Litres C8 5000 Litres

Inlet and outlet Connection :

- * Inlet: 3" and above mentioned
- * Outlet: 2", 3" , 4" or specified

Type of prover Tanks :

- T1 Fixed Prover Tanks
- T2 Mobile prover Tanks

Loading :

- L1 Top loading with one valve
- L2 Bottom loading with two valve

Accessories :

- A1 With decanting pump and motor with control pumps
- mounting pump with or without control panel
- A2 Fixed hose -3 mtrs
- A3 DOL starter for motor
- A4 Temperature gauge(3 location)

the GSM Based Tank Level Indicator & Transmitter.

This system responds to today's demand for real time remote monitoring of tank levels of wide variety of precious consumables such as diesel, kerosene, oil, food, urea, fertilizers in the industries by displaying the real time level on your cellular mobile phone via SMS (short messaging service). The System also come along with a potential free contact to drive Alarm visual indicator to indicate tank full indication. The System comes in two models KGTL-M, KGTL-C

Operating Principle :

The system works on the simple principle of variable resistance, the sensor used contains a series of reed switches & resistors which form a "potentiometer" the circuit which extends to the full indicating length of the transmitter. As the float ravel over the indicating distance the resistance changes and its output varies in range of equipped with a potential free relay contact for alarm or visual indication for event of full tank. The system is equipped with a quad board GSM modem which transmits the level of tank via SMS to the pre stored mobile number. The KGTL-C Model comes with added feature of interface with the PC, the data can be saved & viewed on our Software.

Typical Application :

- # Fuel Pumps. # Petrochemical Industry. # pharmaceutical Industry. # Food Processing Industry.
- # Chemical / Fertilizer Industry.

Swivel Joints

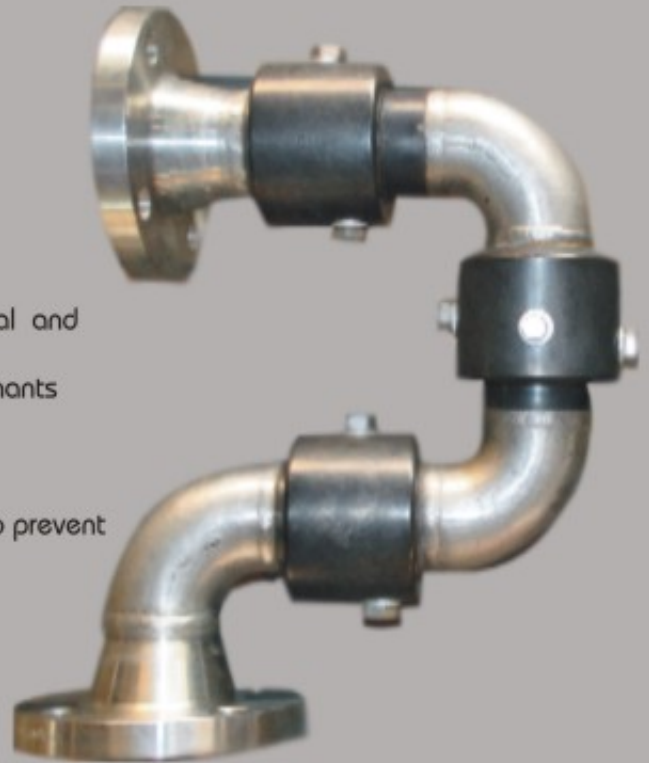
Swivel joints rotation is smooth & torque free. This feature avoids operational fatigue.

Functions of Swivel Joints :-

The swivel joints are used for transferring all kinds of liquids and gases from stationary pipe / Tube to rotary pipe / Tube or vice versa.

Features :

- 100% penetration welding
- Meets ASME requirements
- Precision Ball & Ball groove alignment
- Double race design assures trouble free alignment
- Product entry into bearing chamber is prevented by primary seal and secondary seal
- Atmospheric seal keeps away the dirt, dust and other contaminants
- Reliable positive sealing
- Three-piece construction for easy replacements of seals
- Hardened Ball Grooves
- Leak detection port is provided for detection of leakage and to prevent further damage.



Area of Application :

- Floating roof Tankages
- Petroleum Depots/Terminals
- Floating Suction Assemblies
- Rotary Dryers
- Rolling Mills
- Loading/Unloading Arms/Systems
- LPG Bottling Plants
- Bouzers
- Aviation Refuellers
- Calender M/c
- Hydraulic Equipments
- Roof Drain System
- And many others

Operating Parameters :

- Standard :
- Pressure : Up to 20 Kg/cm²
- Temperature : 1200 C
- Speed : Less than 30 RPM
- Clear swivel joint which will give more impression

Sizes :

$\frac{3}{4}$ ", 1", 1 $\frac{1}{2}$ ", 2", 2 $\frac{1}{2}$ ", 3", 4" 6", 8", 12" & 16". Other on request

Specifications :

Available materials of construction :

Carbon Steel, Aluminum, SS 316 / 316L, SS 304 / 304L, PTFE Lined or as per compatibility.

Customer List

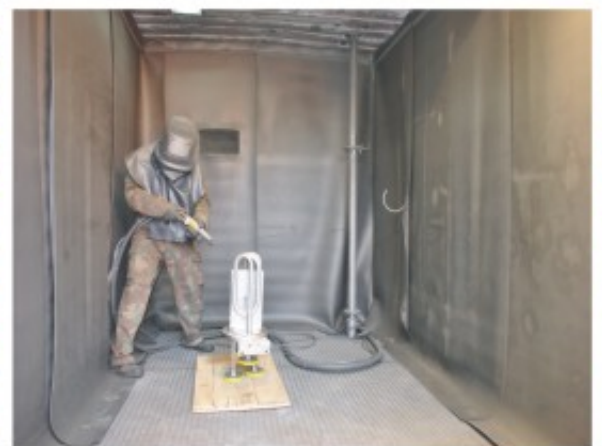
- IOCL
- HPCL
- BPCL
- Essar Oil Ltd.
- Chennai Petroleum Corporation Ltd., Chennai
- Reliance Industries
- Mott Mac Donald
- Chemtrols Industries Limited
- Uhde India Ltd
- Honeywell Automation India Ltd
- Praj Industries, Pune
- Nuberg Engineering Ltd. Noida
- GAIL India Ltd
- BHEL, Bangalore
- Degremount Ltd.
- NALCO, Orissa
- Rashtriya Chemicals & Fertilizers Limited
- SI Group, Mumbai
- Deepak Fertilizers and Petrochemicals Corp Ltd
- Lubrizol India Pvt Ltd
- Sudarshan Chemicals Ltd
- Ganesh Benzoplast
- Gujarat Fluorochemicals Ltd.
- FACT, Kochi
- Alkyl Amines Ltd, Patalganga
- Pidilite Industries Ltd, Mahad
- Zuari Industries Ltd, Goa
- Huber S.A., Greece
- Helios Focus. Israel.
- Ganama Trading & Contracting Co. Syria
- Hayan Petroleum Co, Syria
- Office Mart, Africa
- Tomorrows Worlds Ltd. Ghana
- Star Best Nigeria Nigeria
- Al Bahr Al Arabi Engineering Marine Service Co., Saudi Arabia
- any many others...



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