



SAGA Global Consultants

PROCUREMENT SERVICE FOR PETROLEUM TERMINALS

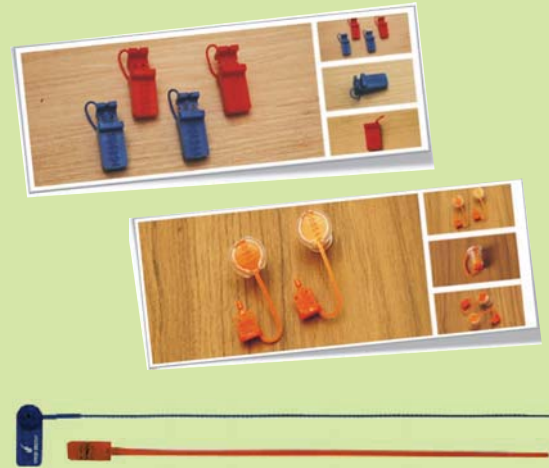
LIST OF EQUIPMENT

- | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none">❖ Security Seals❖ Pumps❖ Pipes & Fittings❖ Flow Meters❖ Batch Controllers❖ Loading Arms❖ Silica Gel Trap❖ Blue Silica | <ul style="list-style-type: none">❖ Floating Suction❖ Dip Tapes❖ Dip BOB❖ Dip Rod❖ Water Finding Scale❖ Bottom Grap Sampler❖ All Level Sampler❖ Aluminium Containers for Samples with Wooden Box | <ul style="list-style-type: none">❖ Oil Finding Paste❖ Water Finding Paste❖ Thermometers❖ Hydrometers❖ Flash Point Apparatus❖ Wind Indicator / Sock with Stand |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



Security Seals

Pilferage and adulteration takes place during transportation between loading and unloading points and/or in storage. To discourage unscrupulous elements from such nefarious activities and to fix responsibility on the carriers and security personnel, we can supply different types of security seals (on trailer, trucks, tankers, vans) that are non-duplicable and tamper evident.



Pumps

We offer services in designing, selecting and procuring the best suitable pumps (API-610 as well as non-API) with high reliability, efficiency with low maintenance customized to your requirements.



Pipes & Fittings

We can procure the best quality Pipes & Pipe Fittings (conforming to ASTM/ ANSI / BS), Flanges, Valves in alloy steel / Carbon Steel Seamless / ERW and Stainless Steel.



Flow Meters

We offer services in designing, selection and procurement of flow meters customized to your requirement.



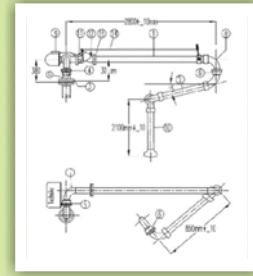
Batch Controllers

We offer services in designing, selection and procurement of Batch controllers for automation at your gantry.



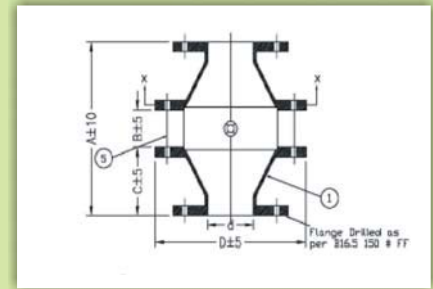
Loading Arms

we offer customized solutions for designing, selection and procurement of Loading Arms.



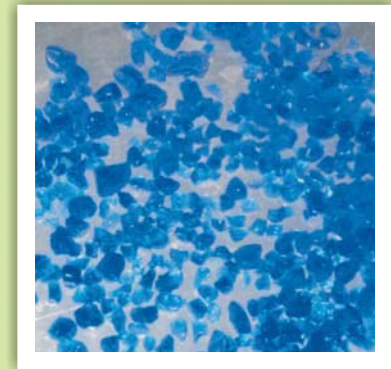
Silica Gel Trap

It is essential to prevent external moisture coming in contact with Ethanol. Silica Gel Traps and silica gel for trapping should be used to prevent moisture from entering the ethanol storage tanks.



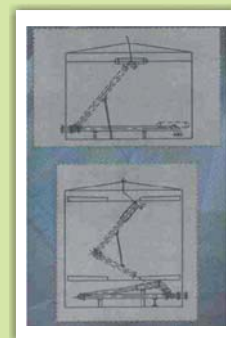
Blue Silica

Silica gel is a granular, vitreous, porous form of silica made synthetically from sodium silicate. It is used to prevent moisture from entering the ethanol storage tanks/ ethanol blended gasoline. This is available in crystal form in various sizes from 1 mesh to 60 meshes. The packaging size of silica gel varies as per customer requirement.



Floating Suction

The Floating Suction System is designed for use with storage tanks whenever withdrawal of the cleanest possible product desirable. We can assist in designing and procuring the most suitable floating suction as per requirement.



Dip Tapes

We can supply dip tapes for tank gauging ranging from 5 meter to 50 meter length as per your requirement.



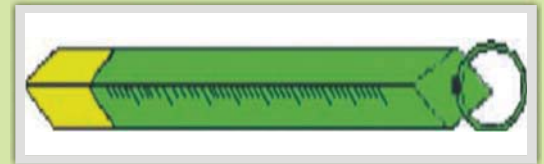
Dip BOB

It is designed to be used in conjunction with the dip-tape. We can have SS/Brass/ other material Bob as per client requirements.



Dip Rod

Dip Rods are used to gauge the petroleum and liquid petroleum products in a vessel, container or tanks. We offer Dip Rods of Aluminum with Brass tip in different lengths customized to your requirements.



Water Finding Scale

Water finding Scale is used in place of the dip bob if either the water or the oil level cut is between the bob and the tape. We can offer the scale of brass and having length of 30 cm or as per the clients requirement.



Bottom Grab Sampler

These samplers are designed to collect an accurate representative sample of the sediment bottom.



All Level Sampler

All level liquid samplers are used for obtaining sample at any level of petroleum product from storage tank like ship/ lorry/wagon. These are made of stainless steel brass/copper/ aluminum and are available with capacities of 500 ml, 1000 ml, 1500 ml, 2000 ml up to 5000 ml.



Aluminium Containers for Samples with Wooden Box

The sample containers are used to transfer/transported the Petroleum samples from the tank/vessel/point of sampling to the laboratory for testing a safe way. Aluminum containers in cloth lined wooden boxes are used to carry/transport the samples to the testing laboratory. We can supply Aluminum/ Tin container as per your requirement.



Oil Finding Paste

To get an accurate oil dip a thin layer of oil finding paste is applied on the dip tape.



Water Finding Paste

This paste changes colour in contact with water, without affecting the product. It is used for indicating the level of free water in the tank.



Thermometers

The Temperature measurement should be done by most accurate and reliable thermometers. These thermometers should also be used for measuring the temperature of the cargo received. Any variation in accuracy can have product loss. We can supply accurate and reliable thermometers as per your requirements.



Hydrometers

A hydrometer is an instrument used to measure the specific gravity (or relative density) of liquids. It is suggested to use hydrometers for measuring the density of the receipt, delivery & the stocks in the tank for both Gasoline & Gasoil. This would ensure correct loading of the product for the client.



Flash Point Apparatus

The flash point of a volatile material is the lowest temperature at which it can vaporize to form an ignitable mixture in air. We can offer Flash Point Apparatus in Automatic OR Manual Modes.



Wind Indicator / Sock With Stand

A windsock is designed to indicate wind direction and relative wind speed.



About SAGA :

SAGA Global Consultants (SAGA) is a Consulting firm, operating internationally and specializing in all aspects of the Petroleum/ Liquid Terminals.

We have hands-on experience in designing, selecting and procuring of equipments/ items related to Petroleum/ Liquid Terminals. Our strong customer oriented policies backed by stringent Quality Control has earned us a valuable client list which includes reputed companies. We have been providing services in many countries including Nigeria, Ethiopia, Kenya, Mozambique, Maldives, Oman, Kuwait, Saudi Arabia, Tanzania, Uganda, Sudan and Zambia.



SAGA Global Consultants

B-608, Western Edge II, Western Express Highway, Borivali (East), Mumbai - 400066. INDIA

Tel: +91-22-4028 6100 • Fax: +91-22-4028 6106

E-mail : procurement@sagaconsultants.com

Web : www.sagaconsultants.com