



SBCCO-CHINA

Offices in the

US, China, Canada, Australia, Chile, Peru, South Africa and Mexico



Crimar Industrial for over 30 years has been providing high quality fiberglass industrial equipment (tanks, piping, pumps, ductwork, pump barges, roofs, process equipment, custom fabrication, and field installation and maintenance services) to a mining, municipal, petro-chemical and other industrial applications

With conjunction with our sister company in China Shijiazhuang Beman Commercial Co. Ltd. we supply FRP products around the world.

www.sbcco-china.com





Background

Our regular customer base includes companies such as: M3 Engineering, IMC Kalium, Abbott Labs, WesTech, FLSmidth, Phelps Dodge, Jacobs Engineering, Hatch Engineering, SNC Lavalin, Intrepid Potash, Siemens/US Filter, Agrimarine, Grupo Mexico, CODELCO, Simplot, Glencore and many others. We have been selling fiberglass equipment made for us in China since 2007, excellent quality, on time deliveries, for very competitive prices





CRIMAR INDUSTRIAL



Crimar has been designing, fabricating and installing large diameter fiberglass tanks for its international customers since 2000, and prior to that as TriAm Industries. Tanks larger than 18' diameter have been shop fabricated, then oblated and shipped to site for field assembly.



350,000 gallon 10m x 17m



20' x 14' acid storage made by HaoHua Zhongyi in China, shipped to Arizona



30' dia. x 26' high acid storage, made in Texas, shipped to California



28' x 12" acid storage made in Texas, shipped to Arizona



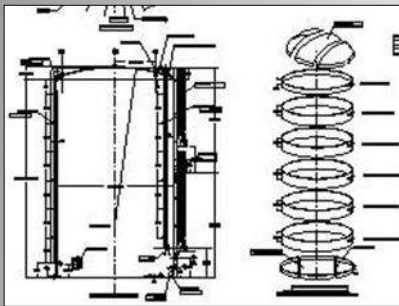
25' dia. x 14' high clarifier, made in Texas shipped to California for assembly



www.sbcco-china.com



350,000 gallon (10 meter x 17 meter) FRP potable water tank



Drawing



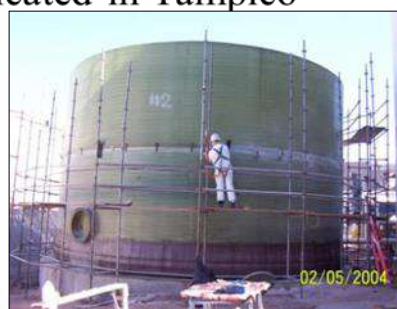
Fabricated in Tampico



Oblated for shipping



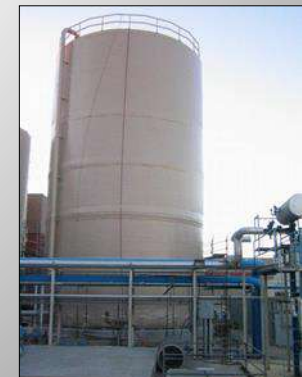
Unloaded on site in Arizona



Sections bonded together



Completed & hydro tested;





www.sbcco-china.com



Onsite assembly of two 22' dia. x 20' high weak acid storage tanks in Cananea, Sonora, Mexico:



Fabrication and on-site assembly of two 28' dia. x 12' high weak acid storage tanks, Phoenix, AZ:





www.sbcco-china.com



Shop fabrication of 20' dia. x 14' high tank made Hebei, China oblated for shipment to Arizona and assembled on site in Green Valley, Arizona



Removing tank parts from the shipping frame in Arizona and assembling on site:

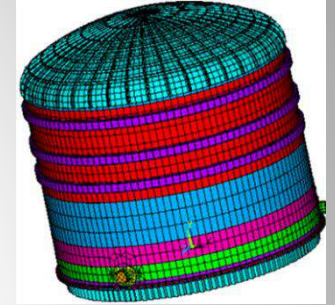




On Site Fabrication



Our contract manufacturer has extensive experience in the fabrication of large diameter vessels:



On site fabrication in Syria for Chlor-alkali



On site fabrication in Saudi Arabia for Samsung



On site fabrication in China for Sinopec



Oblated vs. Onsite fabrication



The process of oblatting fiberglass tanks for shipping to site for on-site assembly began in in North America in the 1960's and became common practice in the 1970's.

On-site installation of oblatted tanks has the following advantages:

- fabrication is done in a controlled shop environment which provides higher quality - wind, rain and direct sunlight cause problems for on-site winding
- on-site winding often requires large temporary structures to protect the tank fabrication from rain and wind during production
- on-site labor time is considerably reduced
- on-site labor costs are much higher than shop rates, especially on a unionized job site
- labor time lost due to weather conditions is minimized
- on-site winding often requires environmental control permits due to the styrene emissions
- project scheduling is simplified

On-site winding of large tanks has the following advantages:

- lower shipping costs



Fiberglass Design Standards

All vessels are designed, fabricated and tested in accordance with the appropriate international standards:

ASME RTP -1 - Fabrication Standard for Corrosion Resistant Fiberglass Vessels

ASTM 4097 – Standard for Filament Wound FRP Tanks

ASTM 3299 – Standard for Contact Molded FRP Tanks

NBS PS 1569 – Contact Molded Chemical Process Equipment

AWWA D120-09 – Standard for Thermoset FRP Tanks

SMACNA – Sheet Metal and AC - Fiberglass Ductwork

API 12P – American Petroleum Institute Standard for FRP Tanks



FABRICATION MATERIALS

- Corrosion resistant resins and fiberglass materials are selected based on the operating environment of the tanks

- Epoxy Vinyl Ester:
 - Options: High temperature
 - Fire retardant
 - Flexible
 - High corrosion resistance

- Polyester:
 - Options: Fire retardant
 - High temperature



FABRICATION MATERIALS

GLASS REINFORCEMENT:

Roving

Mat

Woven roving

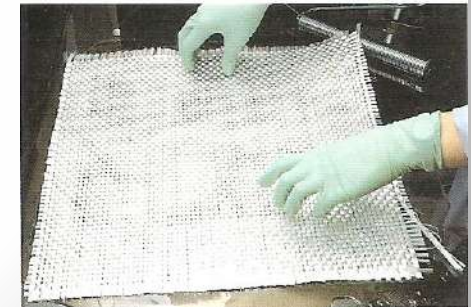
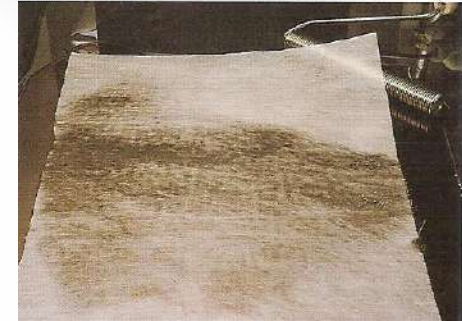
Surfacing veils

ADDITIVES:

Antimony trioxide

Silica carbide

Ultraviolet ray inhibitors





RELATED EQUIPMENT

Mr. Beman has been traveling to China for the past 13 years, an average of 10 times a year for 2 weeks per trip, to work with its suppliers to ensure that they understand and meet Crimar's customers' requirements. Because of Crimar's close relationship with its suppliers, we often receive requests to find qualified suppliers of other equipment needed by our customers. We also supply steel tanks fabricated in Mexico



Solids/liquids separation equipment (filter presses, hydrocyclones, centrifuges, ceramic filters, classifiers, clarifiers,...)



Pumps



Heat exchangers



Steel structures, & carbon and stainless steel storage tanks





CRIMAR INDUSTRIAL SBCCO-CHINA



*We can help you from the beginning of the project
through completion.*

*We can assist with the design, fabrication, and
shipping of the products sold. Where appropriate
we can also provide on site fabrication or
assembly.*

*Once the installation is complete, we can provide
ongoing support and maintenance services.*

How can we help YOU?

Offices in the US, China, Canada, Australia, Chile, Peru, South Africa and Mexico

General Director: Roger Beman rbeman@sbcco-china.com

China Operations Manager: Zish Zhao zishzhao@sbcco-china.com

www.sbcco-china.com