



*We are all about **q**uality.....
To be precise....*





From Director's Desk

To be precise.... we are all about quality.....

Precision matters, especially when dealing with the designing and manufacturing of stainless steel products in the health care industry. The ever increasing demand of pharmaceutical and biotechnology companies for excellence in precision, quality and compliance has given greater challenges for the manufacturers of equipment. What exactly makes us deliver the products that meet your exacting needs? Our technical competence, process knowledge, instrumentation knowledge, biopharma process engineering knowledge, automation knowledge and our passion towards cutting edge technologies from our long lasting belief in unparallel quality in every aspect and in every component has made us as one of the most trusted equipment supplier of choice by many reputed pharma and biotech companies in the market. We are one of the few select companies who truly and strictly adhere to the ASME-BPE guidelines.

We at Omega Scientific follow your needs very closely which is why in addition to meeting your needs, we can anticipate your needs. We deliver not just high quality products but provide complete solutions and tailor made products, specialised innovative products to suit your exact specifications.

Company creates products, we produce service and quality. Organization receives order and profit, we receive trust and satisfaction. We are proud to be recognized as one of the most reliable equipment manufacturers, many of our customers are benefitted with our innovative products which have simplified their needs. Our innovative design and Product development has helped some of our customers to save substantial amount and investments.

Please do share your comments, feedback and suggestions.....

Lenin Babu N

Managing Director

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Our Products

- ◆ Mixing Vessels
- ◆ Pressure Vessels/Receiving Vessels/Jacketed Vessels
- ◆ Fermentation systems
- ◆ Buffer Vessels/Media Preparation Vessels
- ◆ WFI / Purified Water Tanks
- ◆ Micron Filter Housings
- ◆ Membrane Filter Holders
- ◆ 47mm Funnels, 3place/6place manifold
- ◆ Bubble Point test Apparatus
- ◆ Balancing Vessels
- ◆ Nutsche Filters
- ◆ Special tailored made Vessels
- ◆ Mini Jacketed Vessels
- ◆ Mini Pressure Vessels
- ◆ Down Stream Processing
- ◆ Custom made products



Mixing Vessels & Jacketed Vessels-5L to 5000L

The requirement of pharma, biotech industry for mixing vessels is highly demanding. The vessels must be user friendly and also should be adhering to ASME - BPE guidelines.

One of the prime products, these mixing vessels offer the following features:

- ◆ CIP/SIPable
- ◆ Internal surface RA less than 0.4 microns
- ◆ With /without Jacket
- ◆ Magnetic Mixer
- ◆ FBV
- ◆ Sampling Valve
- ◆ HMI, PLC
- ◆ Temperature, Pressure, pH
DO Meter optional
- ◆ Load Cell
- ◆ Printer Facility
- ◆ Stand alone Vessels
- ◆ Skid based Vessels



The mixing vessels we manufacture undergo tremendous design review by understanding your special needs. We believe in the philosophy that every user requirements are unique as their process parameters, CIP/SIP philosophies are different and mixing vessels guidelines are unique. Hence our mixing vessels are designed based on customers requirements by specially fabricating as per your needs. Our top quality fabrication expertise, excellent instruments, highly reliable components, sensors, automation and documentation support will give complete assurance to your process requirements.

Our Philosophy of microscopic design review assures you of perfect design, correct positioning of sensors, instruments, minimum / zero dead legs, perfect clean ability.

Our multiple lens testing Philosophy assures the products are tested vigorously at every stage to give complete reliability on our systems.

Top mounted agitator or vessels are also available on request.



Pressure Vessels / Receiving Vessels / Jacketed Vessels

We have more than two decades of experienced technical team involved in offering high quality Pressure Vessels, Receiving Vessels and Jacketed Vessels. Thousands of our vessels supplied in hundreds of Injectables, Vaccine facilities speak about the highest quality of our products and the customers confidence in our pressure vessels. Many of Injectable manufacturers offering their products to regulated and non regulated markets prefer Omega's vessels due to their extremely high quality, reliability and durability.

We can quickly deliver vessels as per our customers time line which is one of our strength. Our Pressure Vessels are manufactured by using thicker gauge stainless steel generally 3mm for vessels of 100 liters and above. As larger vessels and Jacketed Vessels are used aggressively in production environment, higher gauge thickness assures long term durability proving best return on your capital expenses.



- ◆ One of the best quality in the market
 - ◆ 316L Electro Polished
 - ◆ RA less than 0.4 microns
 - ◆ PG, SRV
 - ◆ Vent.
 - ◆ Valve Combinations
 - ◆ With/without Trolley
- Autoclavable Pressure Gauge option available



Fermentation Systems / Bioreactors & Buffer Vessels

Fermentors / Bioreactors for cell culture, bacterial culture and other biotech applications. We offer fermentors of unsurpassed quality, reliability with excellent design to offer cost effective fermentation equipment. We take utmost care in designing the fermentors, to calculate air velocities, tip speed and other parameters. One of the most important feature in right fermentor design is selection of appropriate instruments like Temperature Sensors, pH Sensors, antifoam, acid alkali dosing pattern and cascade. Our fermentors are offered with right kind of mix for all these parameters.



- ◆ Lab scale
- ◆ Pilot scale
- ◆ Production scale
- ◆ Skid based
- ◆ Fully automatic
- ◆ Semi automatic
- ◆ PLC/SCADA
- ◆ 21 CFR
- ◆ Temperature, Pressure, pH and other controls

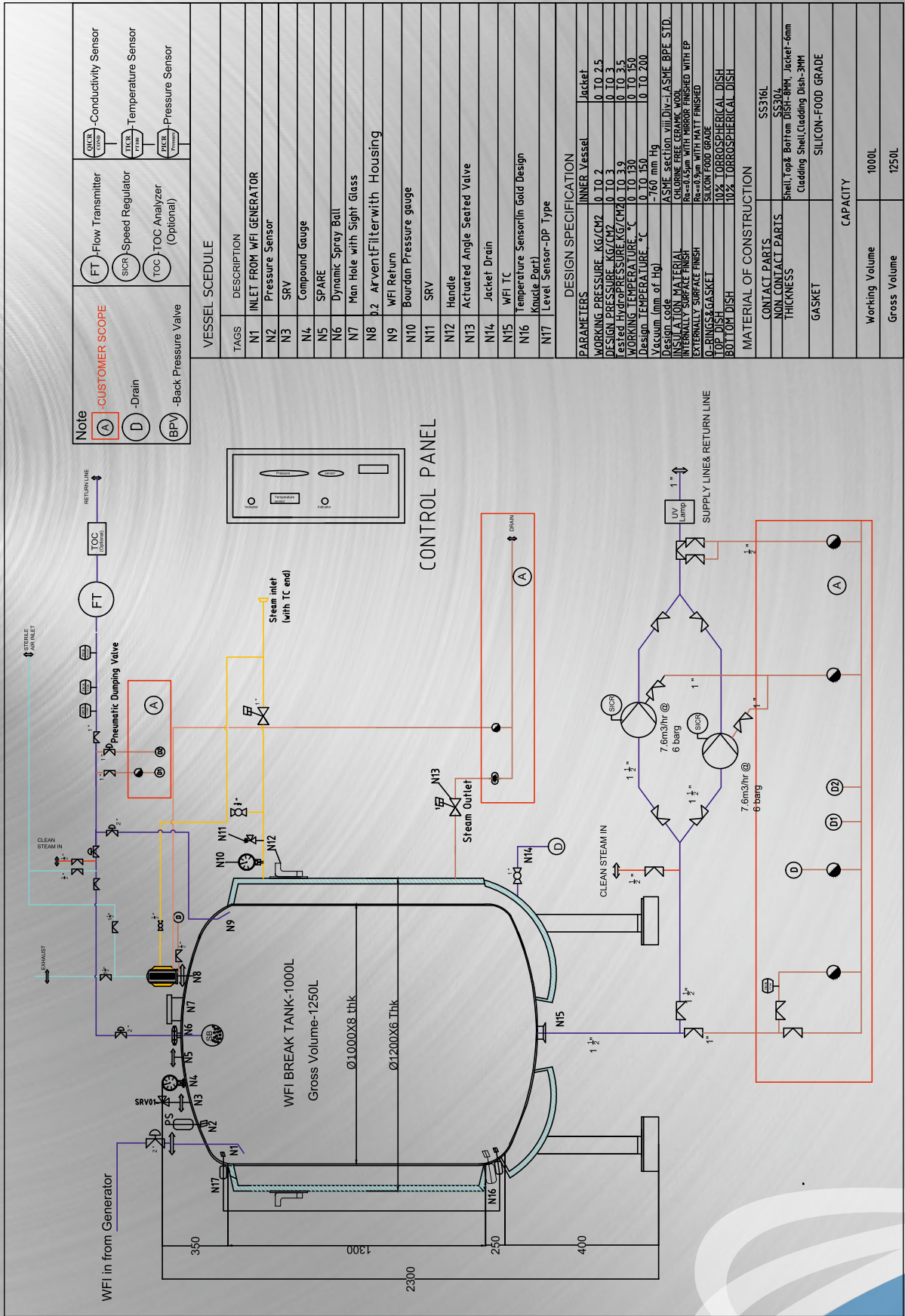


WFI / Purified Water Tanks

- ◆ 316L, electro polished
- ◆ High quality storage tanks
- ◆ Chloride free ceramic wool
- ◆ Sanitary design



P & ID drawing of WFI Tank - 1000 ltr

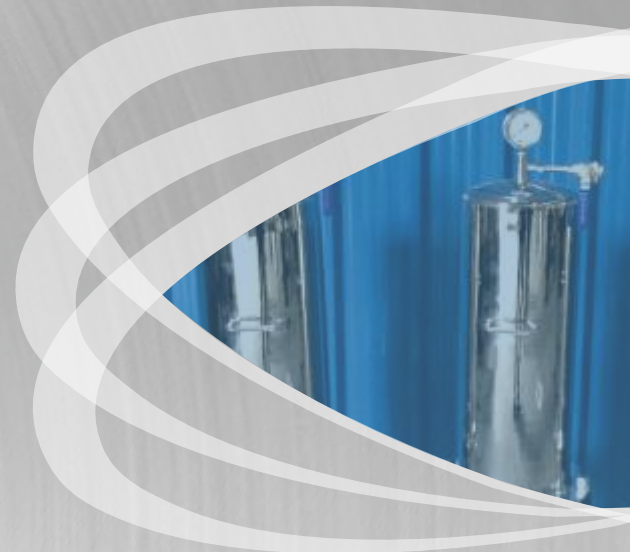


Filtration Systems - Micron Filter Housings

We offer best quality filter housing with excellent finish & design. These are available in SS 304, 316 and 316L. These are with code '7' or '25' adapter, which fits cartridges of most of the manufacturers. The surfaces are highly polished. A vent valve on each housing and high quality pressure gauge are standard with every housing. The housings can be supplied with inlet and outlet connectors as per customer requirements.

When large volumes of air or liquids to be filtered in the header line multi round housings are ideal in choice as they offer high flow rates in less floor area. The multi round housing can accommodate 3, 5 or more cartridges of various lengths which can be designed based on customers parameters.

- ◆ Mini filter housing-2-6"
- ◆ Standard filter housing-10", 20", 30"
- ◆ Multi-round housing-3R, 5R, 8R
- ◆ For liquid/product/water/air/steam filtration
- ◆ Code 7/25 universal adapters



Multi Round Housing



I42 Membrane Filter Holders

This is one of the most commonly used holder for sterile filling, clarification or ultra cleaning of medium size liquid filtration batches. The filter holder is supplied with removable legs. A hand operated valve can be fitted to the out side/inside of the filter holder for stopping of the flow of the filtrate. The O-rings of the holder have been appropriately designed for leak proof filtering and also to give longer life. In addition we can also provide certificate analysis for the O-rings. Spare O-rings can also be procured from us at very competitive prices.



293 MM Membrane Filter Holders

This is a large Membrane filter holder designed to filter relatively higher volumes of filtration. The higher flow rates and through puts with easy clean ability has made this unit as one of the most commonly used filtration system be injectable / Ophthalmic / Vaccine / Herbal products & many other manufactures. This GMP holders can be supplied with sanitary flange inlet and outlet. Optional valves are also possible on inlet and outlet side.



47mm SS Funnel



This is one of the industries standard for a variety of applications like Microbiological testing, sterile filtration, particle removal, mobile phase filtration, sterility testing etc. The 47 mm SS funnels manufactured by us can be used as stand alone unit on a side arm flask or in combination with 3 or 6 place manifold

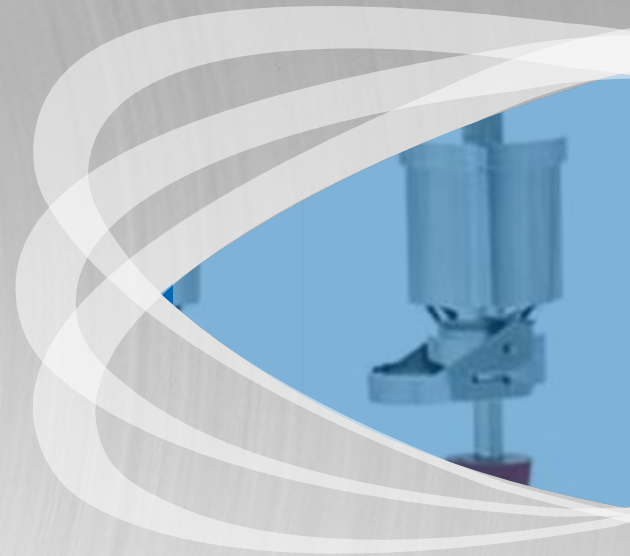
3/6 Place Manifold

For Microbiological testing or Sterility testing of 3/6 samples at a time. This unit minimizes the time consumed for filtration compared to single unit, thereby helps in increasing Microbiologists productivity. The unit has individual valve on each branch, which helps in filtration of one, two & three samples at a time. The unit is completely made up of SS 316, autoclavable silicone rubber stoppers. The funnels capacity is 250 ml with simple C clamp arrangement which is user friendly. Suitable tubing and suction flask are also provided with manifold.



Water Steam, Air Filter Cartridges

We can offer best quality filter cartridges in various material combinations like Poly propylene, Cellulose acetate, nylon, Polysulfone, Glass fiber, Stainless Steel for filtration of air, Water and Steam. Omega scientific is the trusted name in the industry for high quality cost effective filtration products for many of the applications.



New

Bubble Point Test Apparatus

- ◆ Unique design
- ◆ Patent pending
- ◆ For integrity testing of membrane filter holders, mini filter housing, standard filter housing, capsules etc.
- ◆ Semi automated model
- ◆ Password protection with printer design
- ◆ Excellent quality



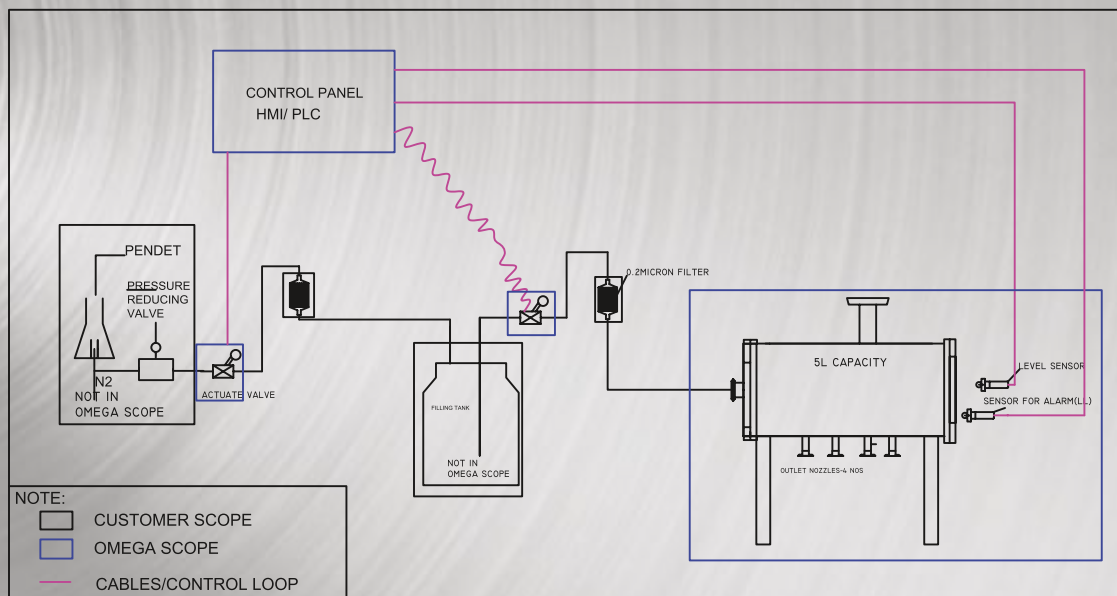


Balancing Vessels

- ◆ Unique, first time in the world
- ◆ Specially designed for regulated market of injectable suppliers

Other Custom made products-Nutsche filter, Special tailor made vessels like mini jacketed vessels/mini pressure vessels for formulation in R & D labs with specialised small tool design and excellent quality.

P & ID drawing of Balancing Vessel





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