

PISCO™

Pioneer Scientific Instrument Corporation

An ISO 9001:2008 Certified Company



ISO-NO-9001:2008

www.piscolabglass.com

About Us

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Fulfilling the demands of the scientific research field since 1961, Pioneer Scientific Instrument Corporation has established itself as one of the reliable Lab Glassware Manufacturer as well as Glass Viscometer Tubes Manufacturer of the country. Our company is a partnership firm, running under the guidance of Mr. Amaren Bose and Mr. Samaren Bose. Their expertise in this domain assists us in continuous delivery of Lab Glassware, Membrane Filter Holder Assembly, Sintered Glass Filter Disc etc. to the consumers & dealers.

INFRASTRUCTURE

During our journey of more than 54 years in this industry, we have kept on evolving our infrastructural base as per the changing market as well as technological environment. Our state-of-the-art manufacturing unit, fully equipped with latest machinery along with technically advanced R&D centre proves to be supportive in manufacturing flawless equipments. Along with our quality control unit, warehouse facility etc also forms the part of our robust infrastructure. All these departments are looked after by the team of adroit professionals having prior experience in this domain. They ensure that the glassware we manufacture are reliable, efficient and par excellence in each aspect.

QUALITY CONTROL

Quality has always been the foremost concern of our organization and for maintaining the same we use optimum quality low expansion ($33 \times 10^{-7} / 0C$) borosilicate glass tube for manufacturing laboratory glassware products. The stringent quality control mechanism followed by us includes testing of equipments on various parameters like leakage, crack, dimensions, uniformity, accuracy etc. We ensure to supply faultless products to the clients for complete customer satisfaction.

Our Products

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MEMBRANE FILTRATION ASSEMBLY WITH JOINT

PIONEER SCIENTIFIC INSTRUMENT CORPORATION PISCO™ offers easy to use Membrane Filtration Assembly with Joint. This apparatus is widely used for Vacuum filtration of Tissue Culture media, components, biological fluids, HPLC and other aqueous solutions. The apparatus comprises of filter an integrally sealed fritted glass support bed (perfectly ground to match a funnel) for holding a 25 mm. / 47 mm. / 90 mm. diameter membrane. The design of Membrane Filtration Assembly with Joints enables better control over flow and reduces foaming. The assembly is fitted with an interchangeable ground joint, receiver flask and one aluminum clamp for proper support.



MEMBRANE FILTER HOLDER ASSEMBLY WITH SILICONE RUBBER FITTINGS

PIONEER SCIENTIFIC INSTRUMENT CORPORATION PISCO™ offers Membrane Filter Holder Assembly with Silicone Rubber Fittings. Our Membrane Filter Holder Assembly is designed in such a manner that it is easy to use and safe to handle. The Membrane Filter Holder Assembly, offered by us, comes with Silicone Rubber Fittings that allows you to regulate flow and reduce foaming. The filter funnel support bed (25 mm. / 47 mm. / 90 mm. diameter membrane), one receiver flask and one aluminum clamp are provided to hold the filter funnel and support bed properly.



SINTERED GLASS BUCHNER FUNNELS

Pioneer Scientific Instrument Corporation PISCO™ brings to you a comprehensive range of Sintered Glass Buchner Funnels. The disc and body of our Buchner Funnel is fabricated from high quality glass making the funnel resistant to attack from water, acids, salt solutions, halogens and organic solvent. Our Fritted Buchner Funnel enables hassle free filtration, and there is no requirement for paper filters. The Sintered Glass Buchner Funnel, offered by us are available in various disc diameters and porosities.

Features:

- 100% chemically pure
- Extensively used for the filtration of both liquids and gases
- Customized designs and specifications are welcome
- Available in a most of sizes and dimensions

Applications:

- Medium filtration & washing of gases
- Analytical work
- Collection of fine precipitates
- Gas dispersion



SINTERED GLASS FILTER DISC

Pioneer Scientific Instrument Corporation is a renowned name involved in the field of export and fabrication of superlative quality Sintered Glass Filter Disc. Available in a most of sizes and dimensions, our Filter Discs have gathered wide appreciation owing to their precision performance. Different types of thickness and porosities of our Sintered Glass Filter Discs make them a highly reliable product in the Lab Ware Industry. We are well reckoned as one of the prominent manufacturer of Sintered Glass Filter Disc, since 1961 in Kolkata, West Bengal.



Operating Pressure Limit:

Fritted sintered glassware is designed primarily for vacuum filtration or for gas flow at relatively low pressure. If used for pressure work the maximum differential on the disc should not exceed 15 PSI. PISCO™ manufacture a very wide range of Sintered Glass Filtration Sets with different models/sizes & porosities.

We provide Sintered Filter Round Disc 6.7 mm. to 200 mm., also Sintered Disc with centre hole, Sintered Rod, Square Bar, Triangular Bar, Plate with various dimensions, thickness and porosities.

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VISCOMETER TUBES

PISCO™ Brand Viscometers are manufactured from crystal clear borosilicate glass true bore capillaries. The design and dimensions are maintained complying strictly with IS/BS/ASTM specifications.

Specifications.

- Each Viscometer is individually checked in our own calibration laboratory with required atmosphere and calibrated/certified instruments using certified CANNON oils/liquids.
- PISCO™ Brand calibrated Viscometer tubes are regularly used by most of Oil Companies, Petrochemical Industries and other research laboratories.
- PISCO™ Viscometer Tubes available with CALIBRATION CERTIFICATE and CERTIFIED at 40°C or 40°C/100°C or as per your required temperature.



In the following models/types.

- U' Tube, Direct Flow, Type BS/U. Our Cat. No. 835(a)
- Suspended Level, Type BS/IP/SL. Our Cat. No. 835(b)
- Suspended Level, Shortened Form, Type BS/IP/SL(S). Our Cat. No. 835(c)
- Suspended Level, Miniature, Type BS/IP/MSL. Our Cat. No. 835(d)
- Cannon-Fenske, Direct Flow for transparent liquid, Type BS/IP/CF. Our Cat. No. 835(e)
- 'U' Tube Reverse Flow for opaque liquid. Type BS/IP/RF. Our Cat. No. 835(f)
- Cannon-Fenske Reverse Flow for opaque and transparent liquids, ASTM D 446/2515. Our Cat. No. 838(a)
- Cannon-Ubbelohde ASTM D 446/2515. Our Cat. No. 838(b)
- Ubbelohde for transparent liquids ASTM D 446/2515. Our Cat. No. 838(c)

VACUUM PIN TUBE

We are glad to introduce ourselves as one of the leading Vacuum Tube Manufacturers and offer Vacuum Pin Tube, since 1961 under PISCO™ brand. Designed as per the international standards, our Vacuum Pin Tubes are extensively used for collecting sample from molten steel/gold/silver etc. required for hydrogen analysis. The use of finest grade borosilicate glass endows unmatched resistance against harmful substances. This leading attribute of our Evacuated Pin Tube makes them a highly reliable product. Our Vacuum Glass Pin Tubes are sealed at both ends with a thin walled bulb (weak point) at one side. PISCO™ brand Evacuated Pin Tubes feature a thin (0.5 mm. approx.) wall bulb section (weak point) which breaks on contact with molten metal. The molten metal then enters the tube to form a solid, slag-free metal pin every time. The clients can obtain these Pin Tubes, at market leading prices from us.

Operation:

In operation, the Vacuum Pin Tube is held in a simple spring holder. The molten metal is removed from the furnace and the slag is pushed aside. The pin tube is immediately inserted into the molten metal at an angle of 45 degrees (approx.) until the thin walled bulb section is completely immersed and this breaks the weak point of the glass tube and fills the pin tube with molten metal.



Standard, precision, and high vacuum pin tubes are available as per following sizes and diameters:

- I.D. 2 mm. x O.D. 4 mm. : 25 Nos. in a tray x 60 trays = 1500 Nos. / 1 Carton Box.
- I.D. 3 mm. x O.D. 5 mm. : 20 Nos. in a tray x 60 trays = 1200 Nos. / 1 Carton Box.
- I.D. 4 mm. x O.D. 6 mm. : 17 Nos. in a tray x 60 trays = 1020 Nos. / 1 Carton Box.
- I.D. 5 mm. x O.D. 7 mm. : 15 Nos. in a tray x 60 trays = 900 Nos. / 1 Carton Box.
- I.D. 6 mm. x O.D. 8 mm. : 14 Nos. in a tray x 60 trays = 840 Nos. / 1 Carton Box.

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PISCO SCREW CAPPED GLASSWARES

PISCO™ Screw Capped Glasswares are ideal for laboratory culture work. Free interchange between the atmosphere inside and outside the mouth of the glassware, completely satisfying the gas requirements for aerobic culture, is easily attained by slightly loosening the caps. Can withstand repeated autoclaving since the liner used in it's cap made of pure silicone rubber with PTFE facing.

Available in 3 models with different sizes:

- Culture Tubes, R.B./ F.B., Cat. No. T-80 : 5 ml., 10 ml., 15 ml., 30 ml. and 60 ml.
- Conical Flask, Cat. No. T-40 and 575b : 10 ml., 25 ml., 50 ml., 100 ml., 150 ml. and 250 ml.
- Bottles, Cat. No. T-10 and 442c. : 10 ml., 25 ml., 30 ml., 50 ml., 60 ml., 100 ml., 125 ml. and 250 ml.



SINTERED GLASS TUBE SEALING PIPELINE FILTER

Pioneer Scientific Instrument Corporation PISCO™ brings to you a comprehensive range of Sintered Glass Tube Sealing with reduced both ends / Pipeline Filter. It is widely used in laboratories for inline filtration of liquids / gas lines to stain solid particles and impurities. Made from 3.3 borosilicate glass, mostly used in 30, 40, 50, 65, 90 & 125 mm. diameter with porosity 1, 2, 3 & 4 grade claims its reliability and accuracy.



SINTERED GLASS GOOCH CRUCIBLE

The company has cemented its presence among the distinguished Manufacturers, Suppliers and Exporters of Sintered Glass Gooch Crucibles. Made from 3.3 borosilicate glass, our Glass Gooch Crucibles are widely used for obtaining precipitates into dry form (and analysis the substance in the laboratory) for analytical work in the laboratory. The Crucible mostly used in 15, 20, 30 & 50 ml. capacity with porosity 1, 2, 3, 4 & 5 grade claims its reliability and accuracy.



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Samaren Bose

4, Bango Sen Lane, Near Bagbazar Lock Gate,
Beside Haripoddar Gangar Ghat, P.O. Cossipore, Kolkata,
West Bengal, India - 700002

Call Us : 08043693084 • Phone : +91-33-3253515 • Fax : +91-33-25555153

Mobile : +91-9432187110, +91-8296718050, +91-9836582732

Email : piscoglass@yahoo.com, pisco_bose@hotmail.com, piscoglass@gmail.com

Web Site : www.picolabglass.com

Web Page : www.exportersindia.com/pioneerscientificinstrument

