GLASS SYRINGES AND HIGH PRECISION GLASSWARE



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Dear customers,

We are pleased to introduce our company and our general catalogue showcasing the products we manufacture.

Our story began in the 1980s as a small, well-equipped glass blowing workshop producing a variety of glass articles. Guided by the skilled hands of our father, Giovanni, who had extensive experience in glass tubing transformation, we three siblings expanded our business by specializing in the production of syringes and scientific glassware.

With a commitment to continuous improvement, driven by experience and new technologies, we have broadened our production to offer high-precision OEM products with micron tolerances. Today, we are a leading company in glass tube reworking.

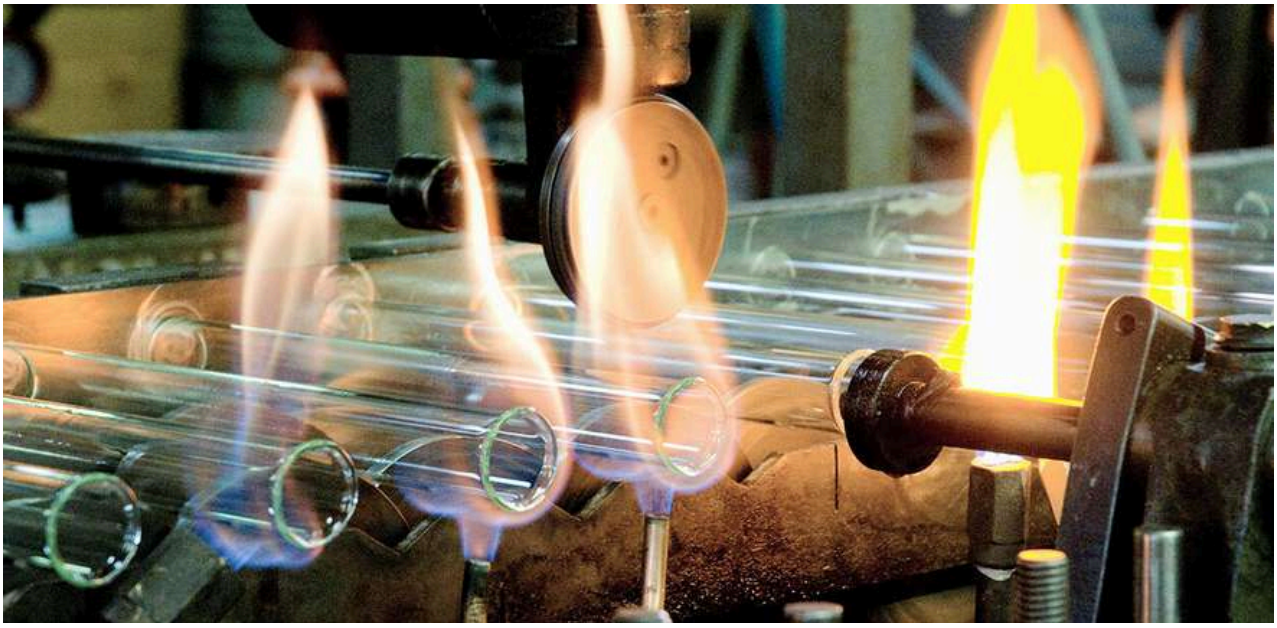
Our solid sector knowledge over the years has enabled us to provide a wide range of instrumentation, consumables, chemicals, and laboratory furniture from top-quality brands.

Our company employs approximately 50 people and operates within a 2000 square meter facility. Our products are exported worldwide, thanks to our extensive experience.

Our future goal is to achieve growth in innovation, quality, and efficiency while maintaining strong partnerships with customers and suppliers, ensuring that the Artiglass brand becomes synonymous with quality and reliability worldwide.

We hope for your utmost satisfaction and look forward to a lasting collaboration.
Best regards,

Federico, Sabrina e Tiziano Baccarin



CERTIFICATIONS

Artiglass applies a quality management system in compliance with the **UNI EN ISO 9001:2015** requirements. We are committed to provide solutions to client's needs and to put at their service our long working experience in the reworking of glass tubing, respecting all the quality standards in the execution of production processes.







Artiglass medical syringes are compliant with the general safety requirements and with the provisions of the **Regulation (EU) 2017/745** and subsequent amendments and integrations. Our syringes for medical use are duly registered and authorized to get the **CE mark**.
Artiglass has achieved the coveted **FDA, Food and Drug Administration** - approval for the L.O.R. syringes of its own production.





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5
10
15
20
25
30cc

THE GLASS SYRINGES

Our glass syringes have many different applications, they can be used in medical, laboratory, petrochemical, chemical, veterinary fields etc.
Glass syringes ensure testing and clinical procedures without risk of allergic reactions or chemical interactions that can be associated with plastic syringes.
Our products can be even used for chemical and environmental testing where larger volumes of corrosive, toxic and noxious liquids are measured and transferred.
Our syringes are manufactured by the reworking of glass tubing, clear neutral borosilicate glass, chemically highly resistant of the highest quality and with micron tolerances.

The manufacturing processes are made in accordance with the **ISO Standard UNI 595-1**.



AVAILABLE TIPS

Small-bore connectors are compliant to ISO 80369-6 and 80369-7 (ex 594-1/594-2) Standard

Luer Glass



Luer Metal



Luer Lock



NRFit™ Metal



GENERAL FEATURES



NEUTRAL GLASS, BOROSILICATE 3.3 AND SODA-LIME GLASS
Glass tubing are resistant to thermal shock, impacts, chemical corrosion and repeated sterilization



Luer Metal and Luer Lock tips are made of
HIGH-QUALITY BRASS, NICKEL OR CHROME PLATED



PACKAGING
Foam trays or individual cardboard boxes



CUSTOMIZED LOGO
Upon request



PERMANENT AND CLEAR MARKING
With graduations



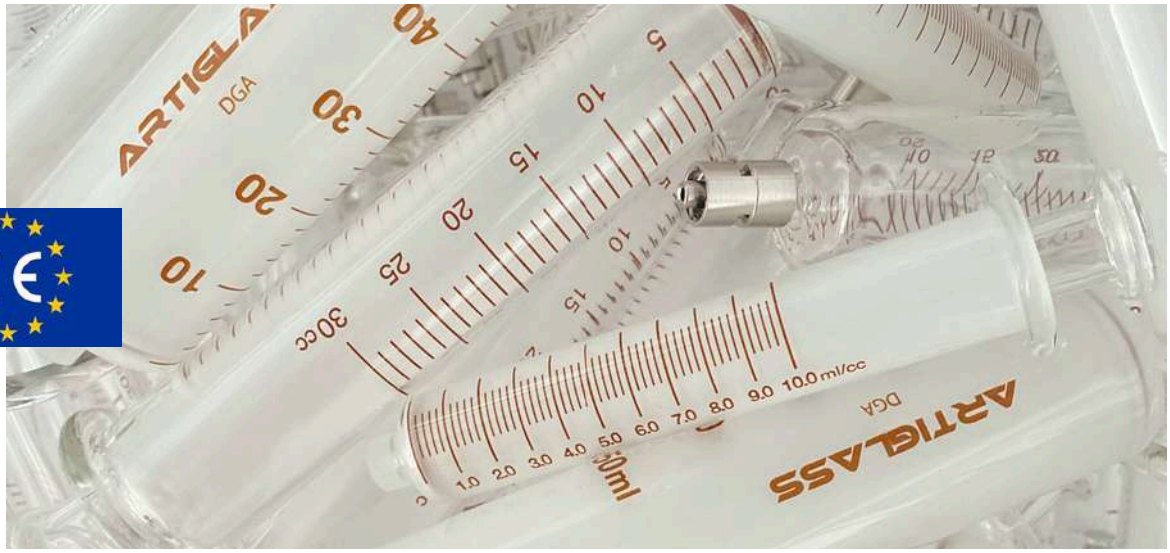
FLANGE WITH TWO SIDES FLAT
Preventing from rolling

MEDICAL GLASS SYRINGES

Our "all-glass syringe" has a barrel and piston made entirely of glass, with either a glass or a metal nozzle.
Available capacity: 1 ml - 2 ml - 3 ml - 5 ml - 10 ml - 20 ml - 30 ml - 50 ml - 100 ml - 150 ml - 200 ml - 250 ml.

CERTIFICATIONS

- Artiglass medical syringes are **compliant with** the general safety requirements and with the provisions of the **Regulation (EU) 2017/745** and subsequent amendments and integrations.



CODES

Item code	Tip	Barrel
LGC	Luer Glass	Clear
LLC	Luer Lock	Clear
LMC	Luer Metal	Clear
LGC/LR	Luer Glass	Frosted
LLC/LR	Luer Lock	Frosted
LMC/LR	Luer Metal	Frosted

LOSS OF RESISTANCE SYRINGES

Our glass L.O.R syringes are used for ***anaesthesia in medical field,*** in conjunction with an epidural needle to assist in locating the epidural space. They provide excellent sensitivity ***for epidural space detection*** with a smooth plunger action. Both barrel and plunger are frosted to perfectly fit and to ensure the most accurate smoothness, without any friction between plunger and barrel.

CERTIFICATION

- *510(k) clearance - FDA* (Food and Drug Administration) approved
- *ISO 80369-6 (NRFit™)* compliant luer fitting



Technical Features

- ***Neutral glass of first hydrolytic class***: the glass tubes are resistant to thermal shock, impacts, chemical corrosion and repeated sterilization
- Metal tips are made of ***high-quality nickel-plated brass***
- ***Standard packaging*** consists of plastic trays containing 6 pieces, which are packaged on cardboard boxes of 36 pieces
- ***Available capacity***: 5 ml - 10 ml
- ***Available tips***: Luer Glass, Luer Metal, Luer Lock, NRFit™ Metal, NRFit™ Lock

CODES

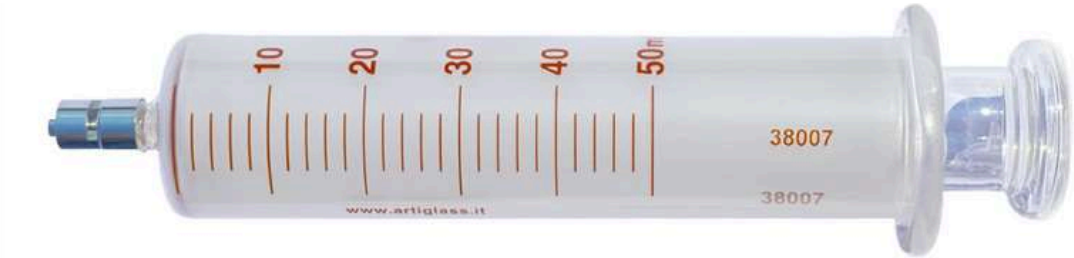
Item code	Tip	Barrel
LGC/LR	Luer Glass	Frosted
LLC/LR	Luer Lock	Frosted
LMC/LR	Luer Metal	Frosted
LLC/LRN	NRFit™ Lock	Frosted
LMC/LRN	NRFit™ Metal	Frosted

DGA GLASS SYRINGES

The DGA glass syringes are used for the ***analysis of the dissolved gases in transformer oil,*** for monitoring the quality of the oil and determining the operating conditions as well as the condition of the equipment. Our DGA glass syringes can be used for analysis according to IEC 60475 method of sampling insulating liquids, IEC 60567 sampling of gases and analysis of free and dissolved gases, ASTM-D 3613 sampling insulating liquids for gas analysis and determination of water content.

CERTIFICATION

- Manufacturing process is made in accordance with the ISO Standards 595-1 and 80369-7



Technical Features

- Barrels and plungers are ***resistant to breakage from shock*** and sudden temperature changes
- Metal tips made of ***high-quality nickel-plated or chrome plated brass*** are assembled by pressure, glue-free, to ensure a perfect seal between glass and metal
- ***Frosted barrel*** ensures a perfect mating and a ***superior smoothness*** between barrel and plunger, with no back flow
- ***Serial number*** both on barrel and plunger properly identify the samples and enables the user not to interchange barrel and plunger after washing or sterilization
- ***Customized logo*** upon request
- ***Permanent and clear marking*** with graduations for lifetime legibility
- ***Flange*** with two side flat prevents from rolling
- Standard packaging: ***styrofoam trays or individual cardboard boxe***
- ***Available capacity:*** 5 ml - 10 ml - 20 ml - 30 ml - 50 ml - 100 ml - 150 ml - 200 ml - 250 ml
- ***Available tips:*** Luer Lock



Accessories

- Closed metal or plastic cap
- Metal or plastic/nylon two-way stopcock
- Metal or plastic/nylon three-way stopcock
- Silicone tubing
- Cardboard case for kit packaging (available for 50 ml)





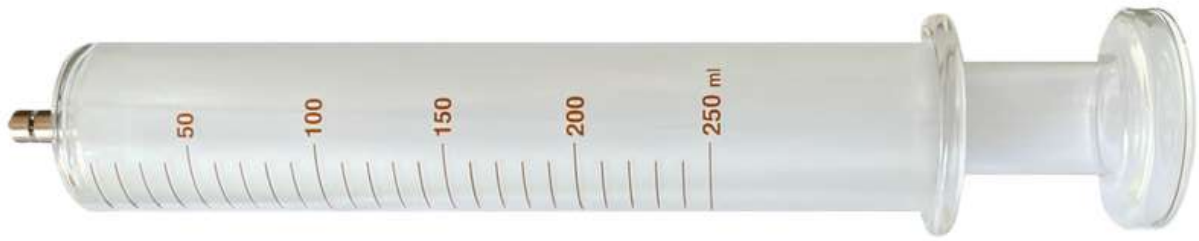


CODES

Item code	Capacity	Plunger - Outer Ø	Barrel - Outer Ø	Frosted Barrel
LLC5/LR	5 ml	11.75 mm	14.67 mm	X
LLC10/LR	10 ml	14.67 mm	17.86 mm	X
LLC20/LR	20 ml	19.61 mm	23.60 mm	X
LLC30/LR	30 ml	22.70 mm	27.00 mm	X
LLC50/LR	50 ml	28.00 mm	32.20 mm	X
LLC100/LR	100 ml	34.30 mm	38.80 mm	X
LLC150CC	150 ml	42.93 mm	47.50 mm	
LLC200CC	200 ml	42.93 mm	47.50 mm	
LLC250CC	250 ml	42.93 mm	47.50 mm	

"JUMBO" GLASS SYRINGES

The "Jumbo" glass syringes are the ideal solution for **handling large quantities of corrosive, toxic and any harmful liquids or fluids**, as they are made of glass resistant to heat and chemical reagents.
Thanks to their particular seal, they are used in a wide range of hospital and industrial applications in which fluid leakages must be absolutely avoided and their correct flow and dosage must be controlled. The application fields are: ecology, gas and oil sampling, specialized radiology procedures etc.



Technical Features

- ***Borosilicate neutral glass of first hydrolytic class***: the glass rods are resistant to thermal shock, impacts, chemical corrosion and repeated sterilization
- Metal tips made of ***high-quality nickel-plated brass*** are assembled by pressure, glue-free, to ensure a perfect seal between glass and metal
- ***The packaging:*** syringes are individually wrapped with white tissue paper and supplied in an individual cardboard box along with a metal closer end stopper
- ***Available capacity:*** 150 ml - 200 ml - 250 ml
- ***Available tips:*** Luer Glass, Luer Metal, Luer Lock



GLASS COLUMNS FOR SPE

Artiglass provides *empty SPE glass columns* aimed to be used in the analytical market to meet purification needs. Solid Phase Extraction (SPE) technique was born in the late '70s and nowadays is the most powerful technique available for rapid and selective sample preparation prior to analytical chromatography.
SPE allows to concentrate and purify the sample before instrumental analysis by exploiting the use of polar and nonpolar adsorbents with analytes of different polarity.

ULTRA CLEAN, HIGH PURITY

- Our columns are supplied without any release of undesirable substances



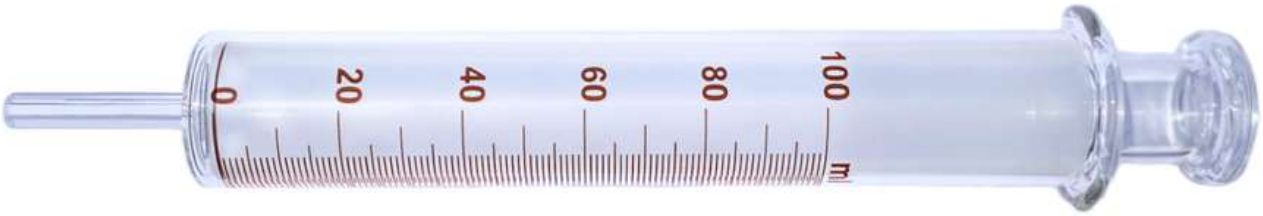
Technical Features

- Our glass columns are made of ***borosilicate neutral glass of first hydrolytic class***, resistant to thermal shock, impacts, chemical corrosion and repeated sterilization
- ***Customized logo and capacity*** upon request
- **Available capacity:** 3 ml - 5 ml - 10 ml - 20 ml



GLASS GAS SYRINGES

Used to **measure and to draw off defined quantities of gas**. The precision glass material used in the cylinder tube insures that the device is both extremily gas-tight and easy to move; the parts are interchangeable.
Cylinders are graduated in steps of 1 ml.



Technical Features

- ***Available capacity:*** 25 ml - 50 ml - 100 ml
- ***Cylinder lenght:*** 197 mm - 175 mm - 205 mm
- ***Capillary tube lenght:*** 40 mm (other size available by request)
- ***1-way (straight) and 3-way stopcocks***



PIPETTE SYRINGES

The pipette syringes are used for **liquids handling, transfering reagents or mixing chemical solution** with varing densities. We supply complete syringe with pipette or syringe (cylinder + piston) only.



Technical Features

- The pipette syringes are made of ***soda-lime glass***
- **Available capacity:** 2 ml - 5 ml - 10 ml - 25 ml - 50 ml

CUSTOM "OEM"

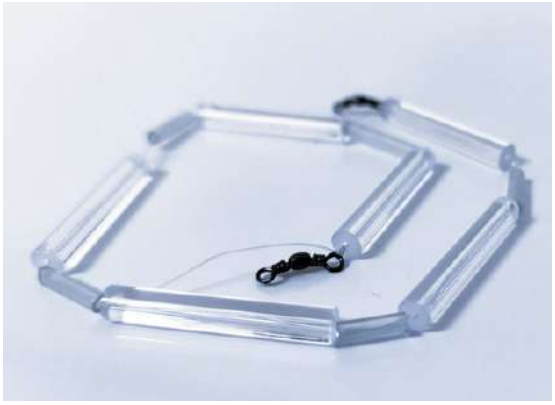


Calibrated glass tubes and pistons for bottle-top dispensers, digital burette and laboratory liquid-handling equipment.
Test tubes for various applications as automatic digestion units, automatic distillation and titration units. cylinders for visual flow indicators, etc.

Technical Features

- **Precision cut** with hundredth tolerances and customizable processes
- Internal and external **diameter with micron tolerance**

GLASS WEIGHTS FOR FISHING



Premium glass weights with high specific weight and a small and accurate hole; almost invisible in water. Specially design for lake trout fishing.

UPON REQUEST

- Costum printing
- More weights available
- Different packing available

LEVEL GLASS FOR COFFEE MACHINES



- ***Raw material***: Borosilicate 3.3 Glass
- ***Printing***: Permanent colours or non-permanent pad colours can be used.
- ***Tolerances:*** diameter ± 0,20 mm, Lenght ± 1 mm, thickness1,5 ±0,10 mm

UPON REQUEST

- Lenght customizable
- Different diameters available upon request
- Custom printing when ordering

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