



In order to provide our customers with flexible solutions for the transfer of fluids in critical applications, we have introduced within our catalog a great variety of flexible hoses. These hoses meet the highest regulatory standards and can be supplied in rolls or with metallic and non-metallic fitting configurations (Tri-Clamp, DIN, SMS, Barbed, JIC, Camlock, NPT, I-Line, etc.) according to your requirements.

- FDA Rubber Hoses
- Smoothbore Fluoropolymer Hoses (FEP, PFA and PTFE)
- Convoluted PTFE Hoses
- Sight Gauges/Level Indicators
- Smoothbore Platinum Cured Silicone Hose with 4-Ply Reinforcement
- Smoothbore Platinum Cured Silicone Hose with Wire Reinforcement
- FDA PVC Hoses
- Flexible silicone joints (Vibration Isolator)

Other hoses available. Hoses can be supplied with different gasket configurations. Please consult your sales representative for more information.

CARBOYS, ERLENMEYER & ACCESORIES



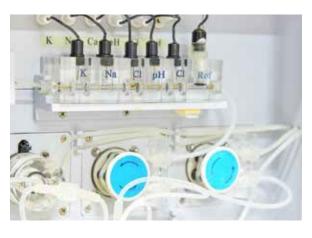


Just a Few of our Tubing, Components and single-use capabilities.

Please visit our web site www.claripure.com







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Single Use Bioprocessing

TUBING

Medical-Grade Platinum-Cured Silicone Tubing

Our Medical-Grade Platinum-Cured Silicone Tubing was developed to meet the most stringent requirements of the life sciences industries. This product is manufactured in a state of the art ISO Class 7 Clean Room. Vertical extrusion techniques are employed in conjunction with continuous laser measurement to ensure the most exacting tolerances. Our Medical-Grade Platinum-Cured Silicone Tubing is widely used for liquid transfer and is a preferred component of many single-use assemblies.

Braid-Reinforced Platinum-Cured Silicone Tubing

For higher pressure applications or those with a need for improved kink resistance we have our Braid-Reinforced Platinum-Cured Silicone Tubing. It is constructed using an inner and outer platinum-cured silicone shell with a polyester inner braiding (single or double). Braid-Reinforced Platinum-Cured Silicone tubing meets the highest regulatory standards.

Chemical Resistant Tubing

This kind of tubing has been developed for applications where chemical resistance and purity is essential. With the aim of providing solutions to as many scenarios as possible, we have introduced in our catalog PVDF, PTFE, FEP and PFA tubing.

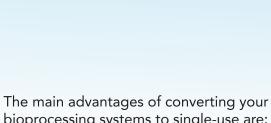
Weldable/Sealable TPE Tubing

Our Weldable/Sealable TPE Tubing is designed specifically for the most demanding bio-pharmaceutical applications. It is ideal for use in peristaltic pumps, single-use assemblies, process filling, and sampling devices and is compatible with tube sealers & welders. It is exceptionally clear and it has excellent mechanical and barrier properties. It has extremely low extractables and is among the purest TPE tubing available today.

Peristaltic Pump Tubing

Manufactured from virgin, Medical-Grade TPV and homogeneously extruded to precise dimensional tolerances, our Peristaltic Pump Tubing was specifically developed to provide superior performance in peristaltic pump applications. Our Peristaltic Pump Tubing meets today's most stringent cytotoxicity and extractability requirements for critical bio-pharmaceutical process applications. We have a wide range of sizes for all types of peristaltic pumps.



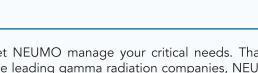


bioprocessing systems to single-use are:

- Reduced cleaning requirements
- Decreased plant footprint and capital investment
- Improved batch turn-around times
- Increased process flexibility
- Reduced risk of product cross-contamination



Let NEUMO manage your critical needs. Thanks to a close working relationship with some of the leading gamma radiation companies, NEUMO can supply already gamma irradiated systems. Together with the radiated systems we supply a radiation certificate that indicates the exact radiation dose. We can also manage sterility tests and dose audits according to our customers needs.









SINGLE-USE ASSEMBLIES



ITEM 1 2 3 knimal-Derives sed on data fr NOTE 1 High Density Polyett No animal based post trace amount of talow regulations: According according to Regulatic include approximately subsequent 3) conver Cap, Polypropylene Our polypropylene do The pigmentation use Cap Adapter, Polypropy Components derived from

Your single-use assemblies can contain a large range of different components according to your requirements as barbed, quick and sterile connectors, pillow and 3D bags, bottles, membrane and depth filters, sensors, valves, sanitary fittings, tubing, etc. Our singleuse systems are assembled in a state of the art, ISO Class 7 clean room. We have a close relationship with our customers and suppliers, cooperating together from the design process to the installation and use of our single-use sytems.

QUALITY ASSURANCE CERTIFICATE

ASSEMBLY

Assembly Description	EZ WASTE SYSTEM			
Assembly Part Number	SUS20181054	Lot Number	201810966	
Manufacturing Date	23/07/2018			
Quantity of systems	20			

suring that the components of the regulatory criteria indicated in the table below. Furthermore, Neumo ensures that the assembl as assembled inside an ISO 7, Class 10,000 cleanroom. Visual inspection is performed on al ssemblies prior to release. All assemblies are lot traceable per the Neumo quality system.

According to our components suppliers' recommendations, a storage period of 2 years can be considered valid for Neumo's single-use systems as long as they are stored under the recommended conditions described in standard ISO 2230 "Rubber products–Guidelines for orage-". This period is valid for non-irradiated systems

ITEM	PART NUMBER	DESCRIPTION	LOT NUMBER	ADCF	USP Class VI	ADDITIONAL COMMENT	
1	332-1419-OEM	EZwaste System, 2,51, HDPE, VersaCap 83mm, 4x 1/8", 3x1/4" OD Tube Fitting 1H8 & Filter	18-1282	SEE NOTE 1	~		
2	SUTPVDFTB00014-516	TUBE NAT. KYNAR [1/4*ID X 5/16*OD]	W12403-0004	~	~		
3	SUCMCOOPPON0000014	ADAP. MINI TRI-CLAMP 1/4*ID BARBED PP	210741	~	~		
 According to Regulation 	g to the best information of the F on (EC) No 1774 / 2002. It has un y: 1) polymerization reaction term rting steps, estimated at around 2	If this tallow based product in the reain is estimated to PA supplier, the tallow used in the PPA is sourced dergone the 200°C/20 min, process treatment called is piratures from 75°C – 100°C for about 2 hour reside 90°C at less than 5 min, residence time.	from United States, Can or in Directive 2004/C 24	ada or South 03 (Note for a	America, It juidance EM	meets the requirements of C EA / 410 / 01). Typical further	tegory
entation us elysis step i atures gree acognized i lers are rec log) fat can uppliers. B	osure material does not contain as ed in our cap does contain animal a carried out at sustained temperar ter then 420°F. The distillation pro conditions for inactivating the BSE uired to source the tallow feed sto also be used. Tallow meeting AFC oth maintain strict adherence to qu	ny animal derived components, derived components, the processing and source of vi- times of over 400°F, using 700 pair pressume and a reali- cores produces fatty acids free of unwanted impurities agent as difficial by the EU Scientific Statering Comm- cise used to produce the raw material fatty acids exclu A specifications are used specificary of u corraw meta- ality standards and have on-going USDA surveillance	dence time of 3 hours. The The rigorous processes ittee in various opinions sively from within the Unitial suppliers plants for the	e fatty acids i used in the p since March 1 ted States, pr	roduction of 1998, and as imarily derive	the tallow derivative fatty acid defined by other regulatory b d from bovine (beef) sources.	complie dies. althoux
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NON-INVASIVE SENSORS

The non-invasive technology eliminates contact with the fluid being monitored, making it particularly suited to applications in which strict hygiene requirements are needed. Thanks to our partnership with Sonotec, we can offer to our customers the following range of non-invasive sensors: flow rate sensor, air bubble detection sensor, level detection at drip chambers sensor and

blood leak detection sensor.









CONNECTIONS

Reusable Tri Clamp EZ Fitting

The EZ Fitting is an excellent option for securely connecting tubing with a sanitary, Tri-Clamp Style connection. The value in the EZ fitting is the ability to field fit and secure a cleanable Tri Clamp connection without special tooling or crimping devices. In addition, the fittings can be re-used with replacement tubing on a continuous basis.

Over-Molded Sanitary Tri-Clamp Connections

Eliminate Micro Contamination Sites Streamline Your Process | Custom Design Capability

We have developed a manufacturing capability for over molding TriClamp type ends onto our various brands of tubing. We offer a wide range of size options and materials for your specific application. We offer exceptional quality with quick turnaround times, and our engineering team is available to provide application and design assistance where needed.





