



Cryo Solutions moved to bigger building

Since January 1, 2017, Cryo Solutions is located in a new building at Hambakenwetering 17 in 's-Hertogenbosch, The Netherlands. The move to the new location with 600 m² floor area was needed to provide space for our fast-growing business and to optimize the incoming and outgoing flow of goods. In addition to extra office space we now have a representative reception area and a large training facility where safety and technical training can be given for groups of up to twenty people.



We see an increased interest in more knowledge about safety and technology behind cryogenic equipment, In the new training room, we can provide you even better

with the necessary knowledge and skills in an inspiring setting. About half of our new building consists of technical areas: warehouses and two well-equipped work shops,

2nd Annual Biobanking Summit

2-3 March 2017 Berlin, Germany



Laborama

16-17 March 2017
Stand number J11, Hall 2
Brussels Kart Expo, Belgium



one for electronics and the other for hardware. Additionally, we have built our own biobank which suits two needs, one for biological storage for customers and one as our own testing facility. The large outdoor area offers ample space for our trucks which we use for the nitrogen supply to our various customers: from general practitioners and restaurants, to (hospital) laboratories, machine manufacturers and biotech companies. On site is also the bulk tank with liquid nitrogen.

Because of this we have everything at hand for optimum control over the logistics of both the gas supply as the incoming and outgoing flows of goods, all of this means we can provide you with a better service.

Cryogenic equipment benefits from maintenance by certified company



Be aware that maintenance on your cryogenic equipment should only be done by trained, qualified and certified staff. Examples include cryogenic filling units like CryoFill, Planer controlled rate freezers or the PLC-controlled measure and control systems for cryogenic systems of Cryo Solutions.-

Experience shows that companies often supposed to carry out maintenance on equipment, while they aren't qualified, miss the needed certificates or aren't licensed to maintain the equipment or to grant service. Moreover, their staff is not trained for it. Because these companies are not licensed, they have

no access to technical tips and updates, which are required for a good maintenance. They also do not have access to the necessary software and firmware updates. This means you can get into trouble because fundamental changes are not made. Our advice is: let your maintenance only perform by certified companies with trained staff.

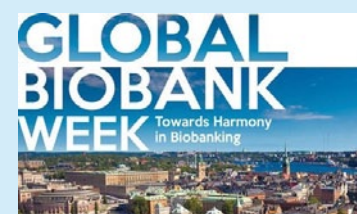
Eshre

2-5 July, 2017
Geneva, Switzerland



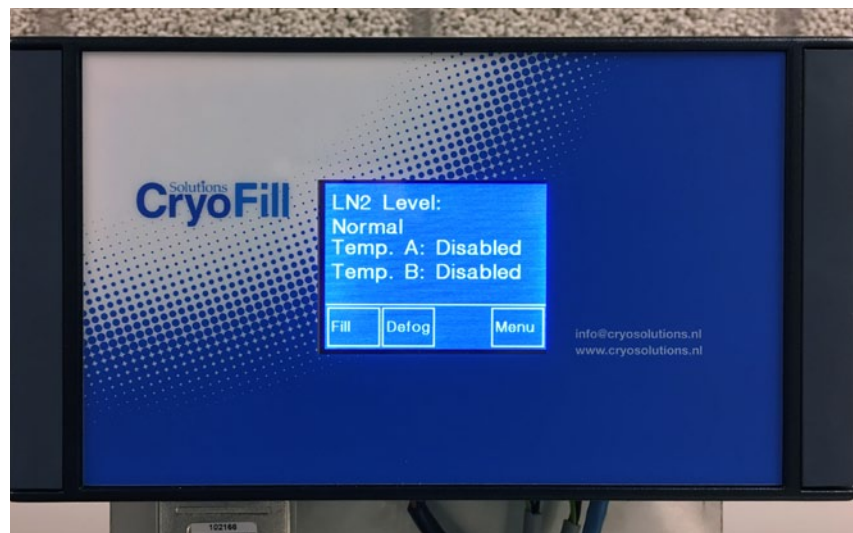
Global Biobank Week

13-15 September 2017
Stockholm, Sweden



Modernize your existing biological storage vessels and make them 'green'

The new automatic filling unit CryoFill is now available with MDD class 1 approval, in accordance with the directive MDD 93/42/EEC for the EU - CryoFill (NL-CA002-2016-39620). MDD is European legislation on medical devices with emphasis on traceability of all parts of the product, from design and manufacturing to installation.



For Cryo Solutions the MDD certification was a small step because we have already been documenting everything in the process. Cryo Solutions is the manufacturer of the CryoFill and conversion of vessels is done while maintaining the CE mark. It is important to mention here that the CryoFill comes complete, including new solenoids, (pressure) relief valves, sensors and cryogenic hose; all with CE mark.

Because our CryoFill is versatile you can upgrade/update all existing bio storage vessels with a MDD-approved automatic filling unit. CryoFill automatic filling units can be fitted on Chart Biomedical MVE, Taylor Wharton, Cryo Anlagenbau,

Air Liquide, Cryotherm, Cryo Diffusion, Messer and many more. The advantage of this approach is that you do not have to replace your existing biological storage vessel and inventory system, whether you choose a simple version or MDD version. In addition to cost savings up to 60% this also brings benefits to the environment. In that sense it is a green solution.

You may take this modernization literally, because with the CryoFill you get a more modern system as compared to what other vendors provide. For example, the CryoFill automatic filling unit is the only one which is 100% compatible with the XiltriX alarm monitoring

system, which enables you to read out remotely in real-time all relevant data, such as the level and temperature.

The MDD certification is also available for other products such as the controlled rate freezers from Planer. By offering the MDD certification we look to the future. In neighboring countries such as Germany, it is very common to require MDD certification for cryogenic solutions. By offering this certification now, we anticipate on future tightening of requirements for laboratories, such as the new ISO standards.

Product info

CryoFill in combination with XiltriX “ready for the future”

Because of the full compatibility of the CryoFill with XiltriX you have the unique advantage of “real time” alarm, read-out and storage of relevant data remotely. You can even log into the system from the comfort of your home into Cryo-XiltriX to check what the status is. This is especially useful in the evenings, during weekends or holidays, if you get an alarm you do not physically need to go to the lab to check if immediate intervention is needed.

The CryoFill functions as a sort of substation of XiltriX and it will provide information such as temperatures, liquid Nitrogen levels, fill times and fill frequency. If you want an additional independent temperature probe can be fitted in the vessel. Another option is trending, by monitoring the Nitrogen usage you can determine how the vessel is performing and if there are any problems to be expected in the near future (deteriorating vacuum insulation). With all these solutions you're ready for the future and you have the security that everything is guarded as well as possible and your important data is safely collected and stored.

The CryoFill has several more big advantages, because of the freedom in choice of level measurement (4 point or pressure differential measurement) the CryoFill can be used on all brands and types of bio storage vessels, new or old. So in fact you can upgrade your existing tanks quite easily for minimal costs as you don't need to buy complete new

tanks but only have to exchange your electronics.

And if you wish to have a higher security there is also an independent over fill security available. This unit is fully independent, it has its own solenoids, sensors, mains power supply and remote alarm contacts. If the liquid Nitrogen level becomes too high, the sensor will notice this and closes the extra solenoid to prevent over filling, this alarm can also be relayed to XiltriX.

Via the central PLC controlled switchboard panel for a cryobank as Cryo Solutions makes, you can also monitor other alarms and data via XiltriX. This can be liquid Nitrogen levels in pressure tanks, showing which tank is in operation when using a switch-over device, oxygen depletion in the room or if the emergency stop buttons are activated.

See our web site Cryo-XiltriX next gen bio banking:
www.cryoxiltriX.com



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