

MILLIPORE



NovAseptic[®] Connectors

The Right Connection
for Your Systems

► A flexible solution developed with a high level of aseptic design

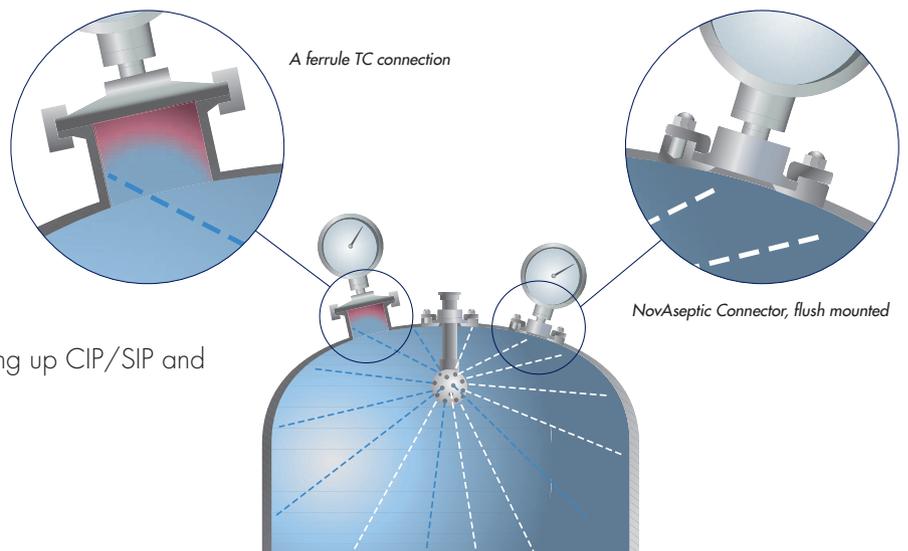
NovAseptic® Connectors

General

NovAseptic Connectors are considered the industry standard for connecting equipment with a triclamp connection to a tank. The design is simple and the aseptic qualities are outstanding. NovAseptic Connectors are a perfect example of how Millipore delivers know-how in aseptic design and high purity processes.

No Dead Leg

Equipment with TC (TriClamp) connections such as sampling devices, valves or pressure gauges can create dead legs that prevent adequate cleaning and air pockets that prevent sterilization. NovAseptic Connectors are flush mounted and therefore eliminate these problems, saving time and money by speeding up CIP/SIP and making validation easier.



A Flexible Solution



NovAseptic Connector In-line



NovAseptic Connector, tank connected

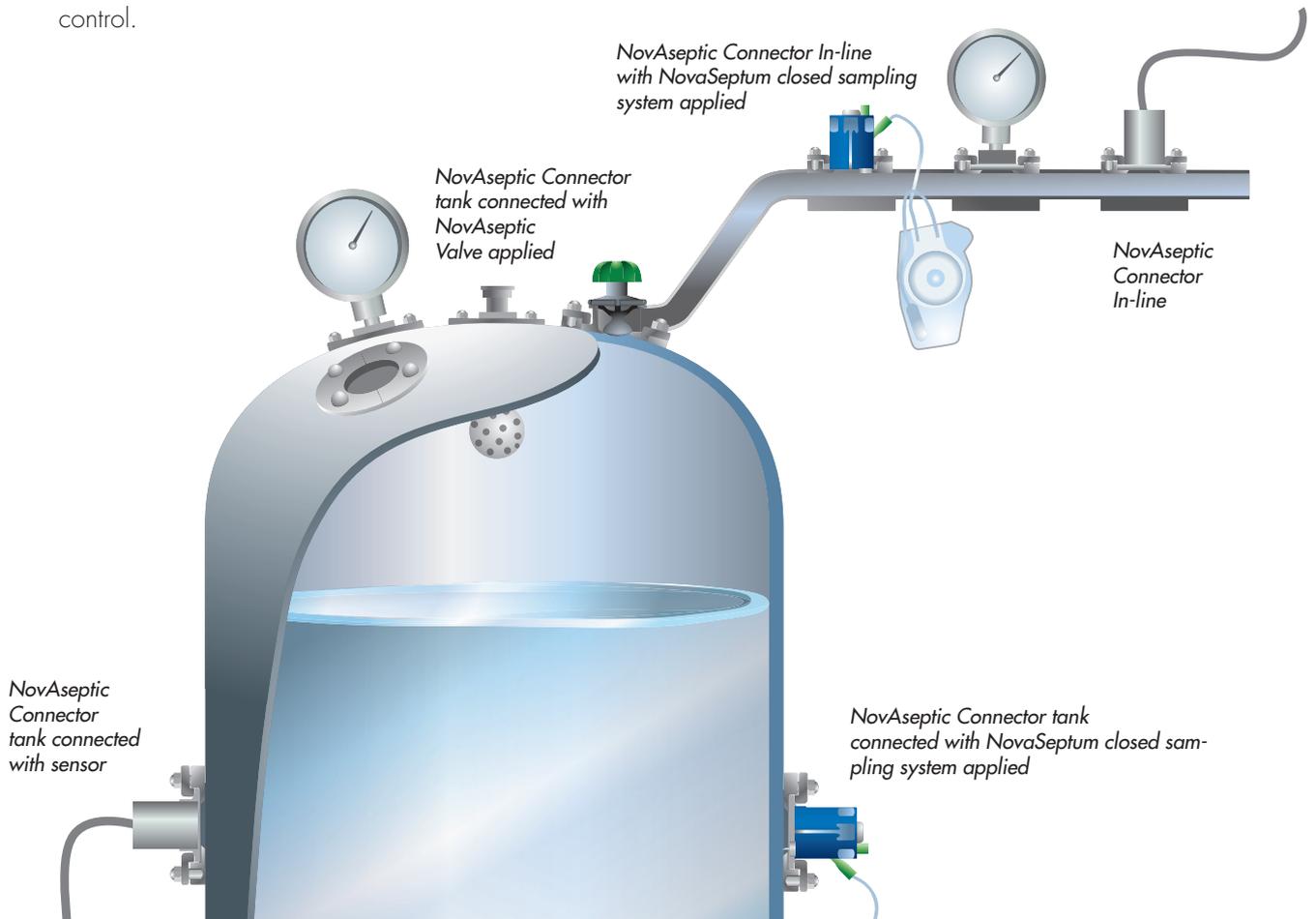
Flexible Design

NovAseptic Connectors can connect a wide range of equipment with TC connections but can also be equipped with a blind cap without affecting the aseptic qualities of the system. In addition to being prepared for unforeseen needs, many of our customers choose to weld in extra NovAseptic Connectors and equip the superfluous ones with blind caps. The cost and time saved when removing a blind cap and connecting new equipment, compared to cutting up the tank and welding in new connections, is enormous.

Focused on Aseptic Design

Tank Connected or In-Line

NovAseptic Connectors are available in a tank connected version and also as an in-line solution. The increasing demand for traceability and control during a process makes NovAseptic Connectors when used together with the NovaSeptum® closed sampling system the ultimate solution for total process monitoring control.

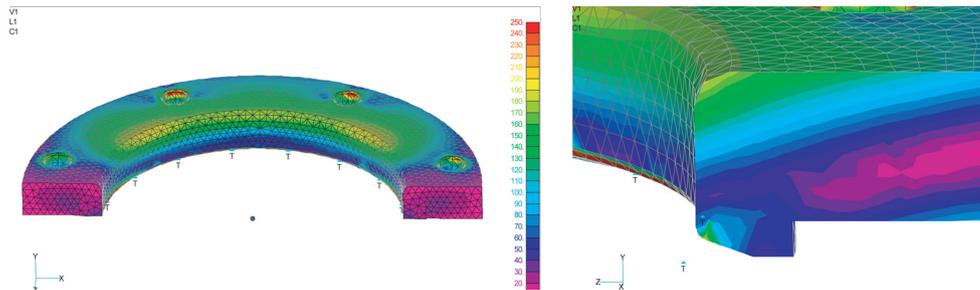


NovAseptic Connectors

Wide Product Range

NovAseptic Connectors are available in two different models: tank connected and in-line. Millipore offers NovAseptic Connectors that fit with a wide range of tube standards, including

- ISO
- DIN
- ASTM
- SMS



Pressure Directive

Tank connected NovAseptic Connectors are FEM calculated and designed according to PED and ASME. PED certified products are approved by notified body. For more technical information, download the latest PED and ASTM "standards" and NovAseptic Connectors product specification sheet from www.millipore.com.

Aseptic and Clean

NovAseptic Connectors have been developed with a high level of aseptic design. In addition, the environment outside of the tank has also been considered. NovAseptic Connectors have drainage grooves on the body under the locking ring to prevent liquid from being trapped.

Easy Maintenance

NovAseptic Connectors are very easy to handle during maintenance. By tightening the nuts with a validated torque each time the NovAseptic Connector is installed, the maintenance routine is repeatable and independent of the operator, which increases the safety.

Documentation

NovAseptic Connectors is delivered with the following documentation:

- Certificate of Quality
- Welding Guideline*
- Material Certificate

*For NovAseptic Connectors (Not In-line version.)

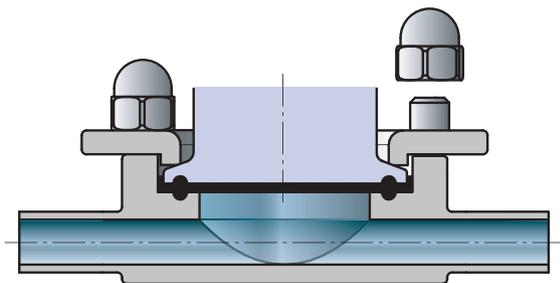


Production and Quality Control

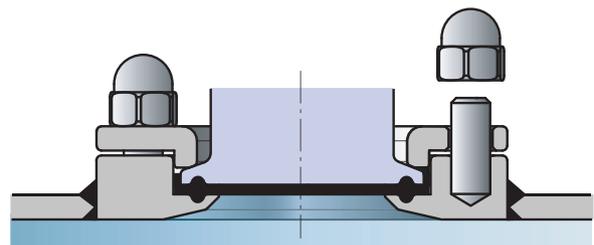
The material used in NovAseptic Connectors is cut from the original bar into workpieces before being machined. The heat number from the original bar is transferred directly to the part. This provides full traceability back to the mill certificate for each single unit. The parts are machined in computer programmed turning lathes to their final shape. The pipes on the in-line version are connected using semi-automatic TIG welding, which guarantees uniform handling and an outstanding result. The part is polished manually or electro-polished according to customer specifications. The extensive quality control program ensures that only high-quality products are shipped to our customers.

Why use NovAseptic Connectors?

- No dead-leg – speeds up and ensures quality of CIP/SIP, makes validation easier
- Flexible – fast and easy to adjust your process system, even for unforeseen needs
- In-line version – fast and easy to adjust your process system, gives the best conditions for control of the total process
- Easy and Safe – easy maintenance and the risk of human error is reduced
- Total aseptic design – NovAseptic Connectors prevent contamination problems and contribute to a clean environment even outside the vessel
- PED certified products are approved by Notified Body, saving time and money
- 3.1.B certificate on all wetted parts
- Full traceability of all wetted parts



NovAseptic Connector In-line



NovAseptic Connector tank connected

To Place an Order or Receive Technical Assistance

For additional information call your nearest

Millipore office:

In the U.S. and Canada, call toll-free
1-800-MILLIPORE (1-800-645-5476)

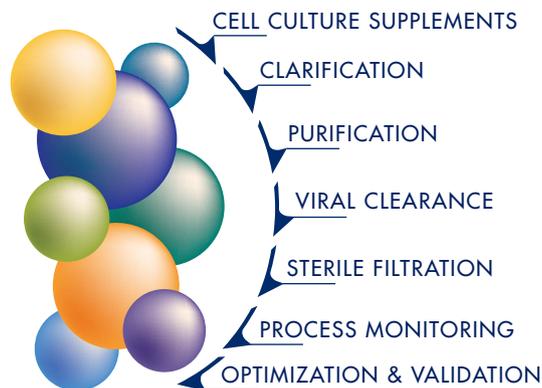
In the U.S., Canada and Puerto Rico, fax
orders to **1-800-MILLIFX (1-800-645-5439)**

Outside of North America contact your
local office. To find the office nearest you
visit www.millipore.com/offices.

Internet: www.millipore.com

Technical Service:

www.millipore.com/techservice



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Lit. No. PB1026EN00 Rev. - 11-06 2006-405

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