



Degassing & Non-Condensable Gas Removal

PTI PACIFIC biomedical services manufactures and services the specialist Non-Condensable Gas (NCG) removal technology for hospital and medical service providers. Our Memcell™ technology allows critical service industries to provide NCG-free water for steam sterilisation. NCG's cause non-compliance or rework in busy hospital sterilisation departments around the world at great costs and reduced efficiency.

PTI PACIFIC manufactures specialist NCG removal technology to coincide with existing steam sterilisation equipment to provide each steriliser or boiler with water up to 99% free of NCG to optimise the sterilisation performance and ensure conformance to the international sterilisation standard EN285:2015.

During this time, we take care of the servicing and maintenance ensuring the machine, the service and all warranty associated costs are covered in operational expenses and no need for capex.

We utilise specialist hydrophobic membrane technology with our clean-area vacuum system to strip NCG's from sterilisation water and to optimise any current or new steam sterilisation process. Each machine is fitted with intelligent software and colour touch-screen display to ensure consistent performance. The machine is robust enough to operate continuously 24 hours a day.

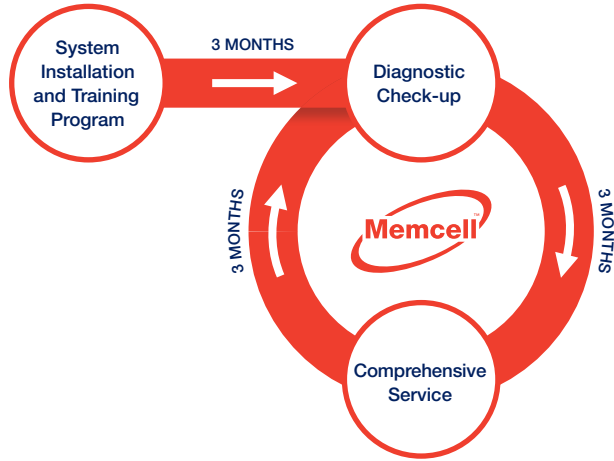
KEY FEATURES

- Integrated colour touch-screen display
- Wifi-enabled connection for diagnostic and remote troubleshooting
- High quality monitoring equipment to ensure total performance
- Integrated water filtration element
- Validated Memcell NCG-removal membranes complete with conformance and testing certificate
- Clean-room suitable vacuum system with no water cooling required
- Small foot-print
- Designed to run 24/7 without operator input
- Total onsite service program managed by our specialist team

The Memcell™ solution to Non-Condensable Gases

Our service process is as intelligent as our machines.

We offer a comprehensive service to the medical and pharmaceutical industries which includes a swap-and-go style change-over program for the specialist NCG removal membranes (Memcell).



Each Memcell must be adequately maintained to ensure optimal performance and doing this onsite is difficult and requires lots of equipment down-time and the use of numerous flammable and corrosive chemicals. As a result, we do this for you. In fact, we're so confident in our processes that we will change the clients NCG membranes and replace with pre-tested and pre-validated membranes every 6 months to ensure the best possible performance and most importantly compliance to the strict sterilisation standard EN285:2015.

Each machine is a plug-and-play system which is rented for a monthly price over a 4-year period which is treated as an operational expense (OPEX). At the end of the term, the customer can renew this and receive the latest updated machine.

The Memcell Performance Validation

We offer a 4-Stage chemical conditioning and sanitisation process in our automated, purpose built systems manufactured for this sole purpose by PTI PACIFIC:

1. Memcell pressure test to ensure 100% integrity of each cell
2. Automated performance testing and gas-removal evaluation
3. Certification and report for every cell tested and installed
4. After all of the above processes have been completed and passed, each Cell is scanned and reissued for continued use. This ensures absolute performance and integrity of the system provided and supported by PTI PACIFIC Biomedical Services

THE MEMCELL SERVICE EXPERIENCE

Hand-over: The new Memcell NCG machine is delivered, installed with training provided by our specialist technical team.

OPEX: The Memcell machine with all related costs are included in one simple monthly OPEX rental program.

Diagnostic Check-up: Our specialist staff will conduct an onsite check-up and diagnostic program and attend to any scheduled maintenance.

Comprehensive Service: We will remove and replace the NCG removal cells in the machine for offsite cleaning, sterilisation and performance testing, leaving you with new cells installed and virtually no machine downtime.

No Worries: We take care of everything and offer this extensive service program to make sure that you can concentrate on the most important things, the health and safety of your patients.

Memcell™ NCG machine models

Model	Min. Flow (lpm)	Max. Flow (lpm)	NCG Removal	Dimensions (cm)	Power
Memcell-Micro	1.6	5	>90%	45x45x60	0.6kw (1.0A)
Memcell-Noble	8.5	15	>90%	60x60x165	1.1kw (2.0A)
Memcell-Quantum	15	33	>90%	60x60x165	2.2kw (3.0A)

