



# TRANSFORMING MBR THROUGH INNOVATION

## SETTING THE STANDARD WITH A SUCCESSION OF TECHNOLOGY BREAKTHROUGHS

The MEMCOR® product line has been an innovative pioneer and leader in low pressure membranes for over 30 years and has had a dedicated MBR team since 1995.

MEMCOR MBR technology has led the industry with a series of "Firsts to Market" advancements that have substantially improved the reliability and economics of MBR systems.

For more information, visit [dupontwatersolutions.com/memcor](http://dupontwatersolutions.com/memcor)

**MEMCOR®**  
a DuPont brand

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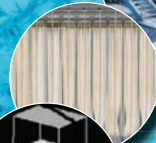
1985

**MEMCOR DEVELOPS CMF LOW PRESSURE CONTINUOUS MEMBRANE FILTRATION**



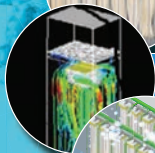
1998

**MEMBRANE OPERATING SYSTEM (MOS) INTRODUCED**  
Allow easy cleaning of membranes & independent optimization of MOS & bio process.



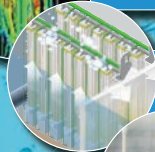
1999

**RACK ASSEMBLY INCORPORATED IN DESIGN**  
Compact racks enhance system design flexibility, easy installation and maintenance.



2001

**IMPORTANCE OF MLSS DISTRIBUTION IDENTIFIED**  
The introduction of two phase flow Memjet™ system greatly improves system performance with superior hydraulics within the membrane environment.



2007

**LOW ENERGY STEP CHANGE WITH PLUG FLOW AERATION**  
The Mem-Pulse® MBR System introduces twin elements to cut energy consumption by more than half of traditional systems with no moving parts, while maintaining MLSS distribution and improving membrane cleaning.



2017

**INTEGRITY TESTING FOR IPR-DPR**  
15 psi, ready for IDR/DPR requirements.

1995

**DEDICATED MBR TEAM ESTABLISHED**

2003

**PRIMING VIA EDUCTORS INTRODUCED**  
First to use priming (eductors), eliminating air release tanks and vacuum pumps, quickly becomes the industry standard.

2005

**USE OF RELAXATION INSTEAD OF BACKWASH INTRODUCED**  
Allows process design simplification and energy savings without loss in performance.

2008

**B40N MEMBRANE MODULE LAUNCHED**  
MEMCOR designs & manufactures its third generation MBR module, the B40N. The B40N is the only membrane on the market designed specifically for MBR systems.

2009

**B40N MODULE PDT CAPABLE**