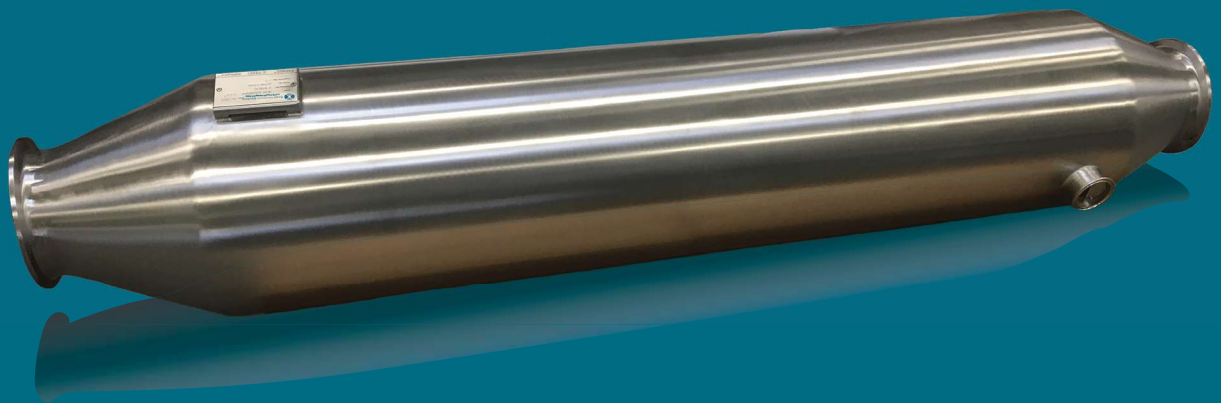




Smart Membrane Solutions
Putting Process Managers at Ease

Shell and Tube Heat Exchangers



Contact Smart Membrane Solutions:



+64 3 741 1808



info@smartmembranesolutions.co.nz



PO Box 148, Rolleston 7643, New Zealand



www.smartmembranesolutions.co.nz

Smart Membrane Solutions (SMS) operates at the forefront of thermal technology, offering innovative and effective heat transfer products with a focus on dairy and CIP/steam Shell and Tube Heat Exchangers.

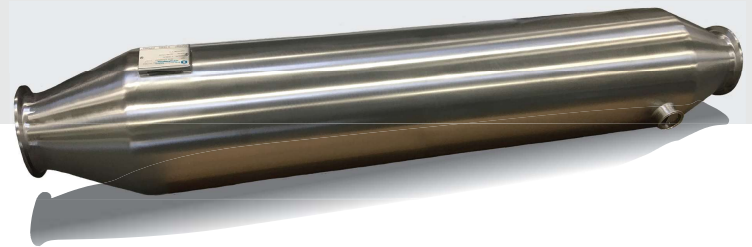
We understand the properties better:

With our combined over 100 years' experience in the dairy industry, we have extensive expertise in understanding dairy products including whey and milk protein concentrates. We have successfully designed, built, installed and commissioned many loop coolers for MPC85 up to 28% total solids and WPC80 up to 38% total solid.



We understand the process better:

Smart Membrane Solutions is a licensed member and user of "Heat Transfer Research Inc". With more than 10 years' experience in thermal design, we can provide a wide variety of applications based on the most suitable design and materials. Different applications require different designs, for an optimal fit we custom design our shell and tube heat exchangers for each application.



Our applications:

Our proven heat transfer technology, and extensive industry knowledge enable us to offer best in class solutions, for the following dairy applications:

- ❖ MPC
- ❖ WPC
- ❖ CIP/Steam
- ❖ Diafiltration Water/Chilled Water
- ❖ Others on request.

Our design code:

- ❖ ASME VIII Div 1 or
- ❖ EN 13445 or
- ❖ PD5500

With the company's purpose of "Putting Process Managers at Ease", our Shell and Tube Heat Exchangers come with the document/paperwork required by Pressure Equipment, Cranes and Passenger Ropeways Regulations (PECPR) in New Zealand or Work Health and Safety (WHS)-Regulations in Australia which means they are ready to use in New Zealand or Australia.