

# MEMBRANE HOUSINGS

FOR MF, UF, NF AND RO FILTRATION



*Approved for food production*  
*- Hygienic design - CIP (Clean in Place) - High quality*

## About Wila

Wila develops and manufactures technical solutions for the food and beverage industry. We are well known for our solutions, all of which have been developed for specific cases and requirements. We always apply best practice and advanced expertise, and our standards are very high. Our strength is to enter into partnerships with our customers to ensure the most unique, innovative and optimum solutions.



We are experts in the field of membrane housings, tubular heat exchangers, tanks and complete units. We supply these products for major parts of the food industry, and we develop solutions for some of the most advanced lines of business. We use state-of-the-art techniques and technologies in our production and are at the cutting edge of innovation and new thinking in terms of the market as well as in terms of our knowledge of products. We live up to these things because we have some great facilities at our disposal, and we can match your technical and quality-related requirements when it comes to hygiene and production safety.

## Ready to work with your production line

We have the facilities, the know-how and the quality assurance systems to develop and manufacture stainless steel products, equipment's and plants that meet your requirements. And we have the right people to handle the job for you from its implementation to the finished delivery.

*Our series of products and components have been tested and are ready to be incorporated into your production. We will be pleased to assist you with your specifications, adjustments and project design.*





# Membrane housings

In the food and beverage industry membrane housings are often used in systems to reduce or eliminate microbials to make products safe for consumption and to extend their shelf life. We produce membrane housings for membrane filtration in the food industry for liquid-containing products such as juice, beer, soy, whey, milk, milk powder, chocolate etc.

Wila membrane housings benefits:

- Top quality and hygienic design
- Flexible customer-specific designs available

Our base range membrane housings are designed for 4", 6" and 8" membranes, 1 to 6 elements, with pressure rating up to 64 bar. The 4" and 6" housings' blind and permeate ends consist of standard dairy clamp ferrule connections while a slightly modified aseptic clamp assembly is used for the 8" low pressure housing. Both higher pressure 8" housing versions have O-ring sealed dished ends with a special circlip-like locking ring for easy membrane replacement and cleaning.

8 Inch (7.9") housings for 8038 or similar membranes		
MHC-8-12bar	PN12 Aseptic clamp end	Designed for both MF filtration and UF filtration
MHC-8-40bar	PN40 Locking ring end	Designed for both NF filtration and RO filtration
MHC-8-64bar	PN64 Locking ring end	Designed for 60 bar RO filtration

6 Inch (6.3") housings for 6338 or similar membranes		
MHC-6-16bar	PN16 Dairy clamp end	Designed for MF, UF and lower NF filtration

4 Inch (3.8") housings for 3838 or similar membranes		
MHC-4-40bar	PN40 Dairy clamp end	Designed for MF, UF, NF and RO filtration

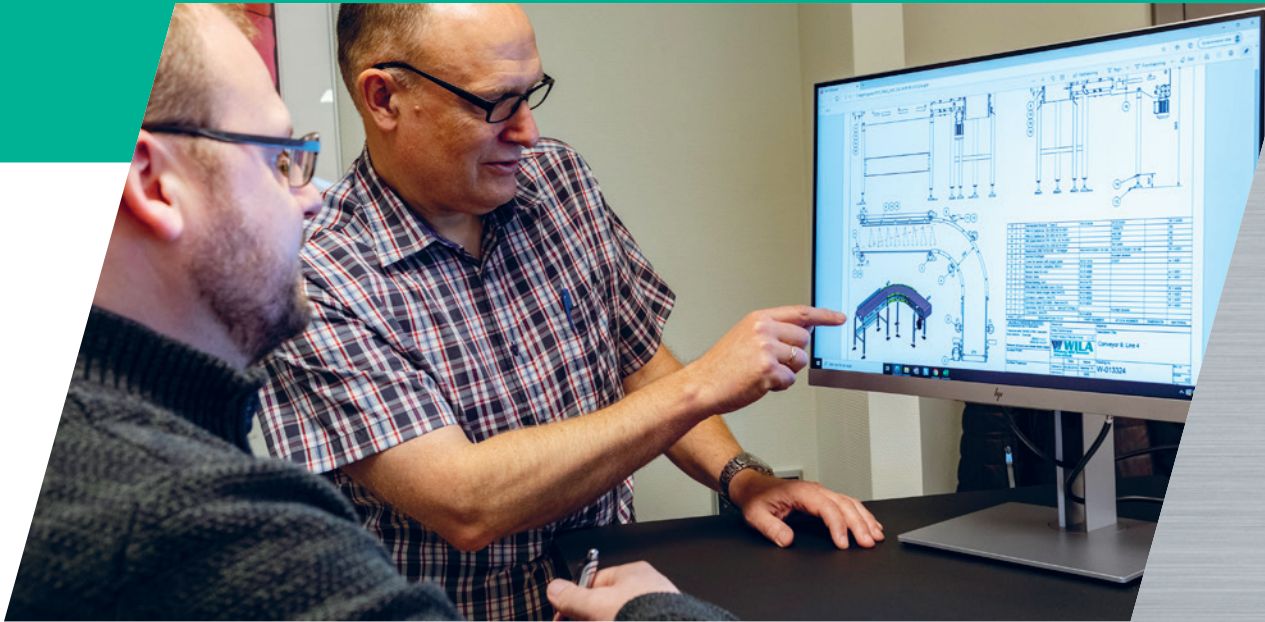
MF = Micro Filtration, UF = Ultra Filtration, NF = Nano Filtration, RO = Reverse Osmosis

The membrane housings' feed and retentate side ports are made by collaring the housing shell, which gives smooth and easy to clean openings. All materials, welds, grinding and other finish is of the highest dairy standards. Optionally, due to their design, optimised manufacturing processes and high quality, the membrane housings can be delivered with a 3A qualification certificate. A special tool is available for easy installation.



## Wila's capabilities

Wila's design and engineering services range from complete projects to assisting our customers in achieving their goals. In the last 20 plus years we have been successful in working closely with food manufacturers and leading suppliers of process equipment for the very demanding food industry, which has resulted in highly competitive quality products and solutions with added value for our customers. Our extensive in-house expertise includes innovative manufacturing processes and design deeply rooted in solid engineering.



If you involve us early on in your process, we will act as a focused, innovative and solution-oriented sounding board for your ideas. Through a systematic and analytical approach, we will make a value-adding contribution to your project.

# WILA

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