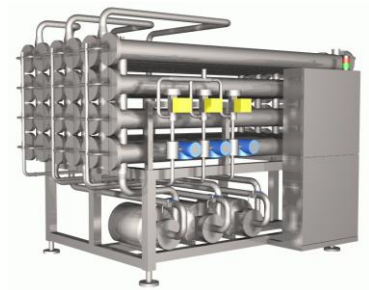


Nanofiltration (NF) systems enable the concentration and de-salting of whey up to 25% total solids.

The **SwissFlow** NF systems from **MMS** are proven and tested systems for the concentration and de-salting of acid whey.



Benefits

- Transforms acid whey waste into value
- Selective removal of salts
- Low energy requirements

Features

- Fully automated systems
- Supported by specialists
- CIP system included
- Complete solutions including tanks, pasteurizer, post and pre-treatment

The **MMS SwissFlow** NF systems retains whey proteins and lactose whilst allowing salts to pass through to the permeate stream. The systems are designed to concentrate whey up to 25% TS, allowing for its re-use .

Additional **MMS** Whey Equipment

- Reverse Osmosis for the whey concentration
- Reverse Osmosis of NF permeate

Options

- Diafiltration for higher salt removal
- On-line control of total solids
- Remote access for system support and rapid troubleshooting
- CIP liquid heating
- RO concentration of permeate
- Scalable for more capacity



MMS produce a range of **SwissFlow** NF systems capable of handling feed rates from 3'000 – 30'000 l/h. The capacity of the system is a function of several parameters, including feed composition, level of retentate concentration and operating temperature. With our specialists we will enable you to select the correct system for your product and processing requirements.

MMS enable a process from the conceptual phase to be developed, designed, constructed, installed and implemented by our customers, *successfully*.

The system options allows you to design the UF system to best fit into your infrastructure and workflow.



MMS System Type	Feed Capacity (l/h)	WPC (TS=25%)
SwissFlow NF-300	5000	1100
SwissFlow NF-500	7500	1650
SwissFlow NF-600	10000	2170
SwissFlow NF-900	15000	3250
SwissFlow NF-1500	25000	5400

Other Dairy Applications

- Whey & Lactose concentration
- Milk and whey sterilisation
- Milk protein concentration
- Whole milk concentration
- Carbohydrate fractionation
- Lactose Hydrolysis

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