

Direct Flow Filters **MicroFlex**

Models:

MicroFlex 12 - MicroFlex 24 - MicroFlex 48

Technical Description

The MicroFlex filtration plant operates on a linear and gentle flow process that utilizes standard membrane Code 7 cartridge filters. Incorporating high automation programming called IntelliFlex, the MicroFlex filter manages the entire filtration process and provides you with bottle ready wine in a single pass.

The MicroFlex series of filters comes in 3 sizes, the 12, 24 and 48 model. The model number indicates the installed number of filter cartridges. The MicroFlex models are completely automated.

The MicroFlex filtration plant has been designed to treat both red and white wines, either still or sparkling.

The MicroFlex filtration system offers the following advantages:

- Well designed and dependable automation
- Excellent plant cleanliness, easy to clean
- Excellent product quality and very gentle process
- Interchangeable membranes, allowing different levels of filtration
- Suitable for all winery filtrations
- Extremely low energy consumption
- No product warming

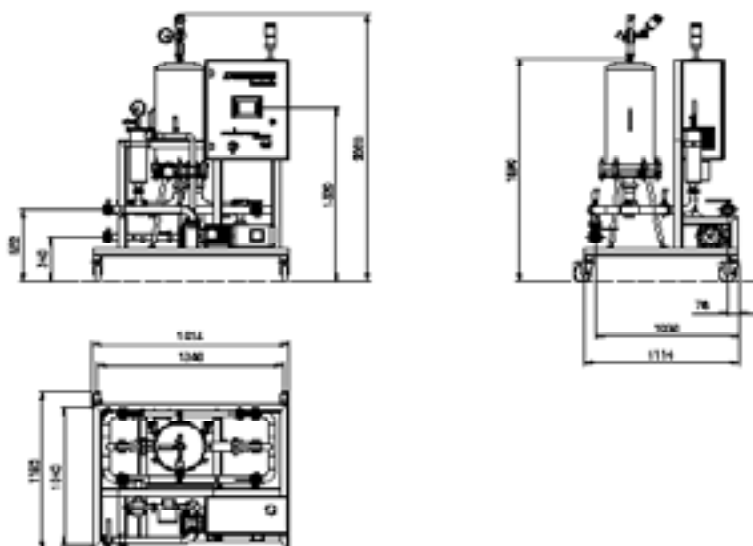
Automation

All the models are equipped with automatic, pneumatically operated valves, and includes installed washing tank and detergent dosing pumps. These models are able to automatically complete every phase: filling, filtration, emptying, washing, etc. without any operator's help and is fully programmable at every level of operation.

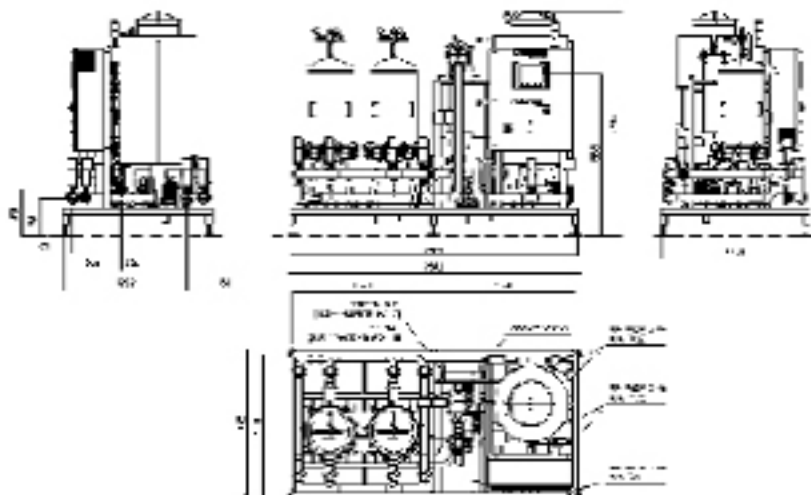
All phases of operation including start-up and shut-down set points, thresholds, and times of valves and pumps are set by a Touch Screen control panel displaying all information on the plant. The operation of the pumps and the automatic valves during the production and washing phases are driven and controlled by the PLC. The operating parameters and alarms are controlled by the PLC which will prevent the plant from operating during any irregular condition or during any possible unsafe condition for the operator(s) or the membrane cartridges.



Technical Data [MicroFlex 12](#)



Technical Data [MicroFlex 24 - 48](#)



		MicroFlex 12	MicroFlex 24	MicroFlex 48			
Number of module	n°	12	24	48			
Filtered product delivery	m3/h	1,2-6,0	2,4-12,0	4,8-24,0			
Working temperature	°C	20	20	20			
Installed electric power	kW	2	5,5	7,4			
Empty weight	kg	300	680	970			
Compressed air	bar	10	10	10			

N.B.

The above data is indicative and may vary according to the filtered product and features of the filter media.

