



Inlet

Permeate

Feed Characteristics

- White wine: 15 – 300 NTU
- Red wine: 10 – 100 NTU
- Red wine retentate: up to 2000 NTU
- Temperature: 15°C

Result Summary

- High productivity
 - Permeate flux white wine: 100 – 400 LMH
 - Permeate flux red wine: 50 – 200 LMH
 - Permeate flux retentate: 30 – 70 LMH
- Permeate turbidity: below 0.5 NTU
- Excellent microbiology retention: possible to reduce sulfites (SO₂) usage
- 20% faster chemical cleaning cycles compared to other ceramic membranes, allowing further increase in productivity

Challenges in wine clarification:

Crossflow microfiltration is nowadays a key step to ensure the sensorial properties and stability of wines, which are of utmost importance to the product value. The complexity of wine composition and its natural fluctuations require the use of robust membrane technologies, capable of withstanding a wide range of operating conditions, not only during filtration but also during cleaning operations.

Objective of Crystar microfiltration:

Provide a high productivity, cost-effective and robust solution to clarify wines and contribute to their stabilization, whilst keeping the best of their sensorial properties.

Products recommended:

- Any Crystar FT crossflow geometry
- Pore size: 250 nm or 600 nm

Main benefits of Crystar FT:

- High permeate flux
- Excellent permeate quality
- High mechanical and chemical robustness
- Fast and efficient clean-in-place procedures with low water usage



For more info visit: www.crystarfiltration.saint-gobain.com
Or email: crystarft@saint-gobain.com

The information contained in this document is believed to be accurate and reliable but is provided without guarantee or warranty on the part of Saint-Gobain IndustrieKeramik Rödental GmbH. Process parameters and requirements can impact typical values and test methods. Further, nothing present herein should be interpreted as an authorization or inducement to practice any patented invention without an appropriate license. Saint-Gobain IndustrieKeramik Rödental GmbH Terms and Conditions apply to all purchases.