



# Organophilic Nanofiltration

Turnkey membrane separation plants for use under potentially explosive atmospheres

- following the recommendations of guideline 94/9/EG ("ATEX")
- usable in Ex II 3G IIC T4 inside, Ex II 2G IIC T4 outside
- up to 60 bar inside pressure
- up to 80° C working temperature
- manufacturing acc. GMP guidelines
- not changeable data storage (can be validated), different usergroups

## Applications

- recycling of heterogene catalysts
- separation and concentration of peptides or other bioactive molecules from organic solvents
- diafiltration to remove hazardous solvents
- solvent purification/ solvent recycling
- recycling of chromatography dilutions
- polymer fractioning
- treatment of nutritional oil and lecithin
- regeneration of lubricating oil

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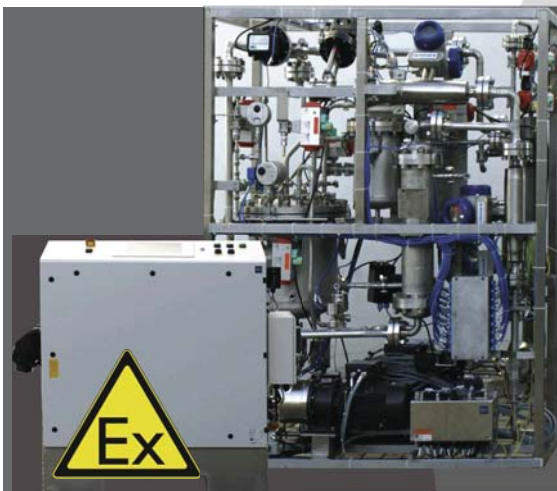




# Organophilic Nanofiltration



Customer: **Research institute**  
Location: Belgium  
Capacity: approx. 500 L/ h  
Membrane: 3 x ceramic multi channel tubes  
1 x 2,5" spiral wound membrane  
Requirements: Ex II 3G IIB T4 inside,  
Ex II 2/3G IIB T4 outside  
GMP- procedures for using under  
pharmaceutical conditions  
Medium: all kind of organic solvents  
(hexane, ethanol, ...)



Customer: **Chemical industry**  
Location: Germany  
Capacity: approx. 300 L/ h  
Membrane: 1 x ceramic multi channel tubes  
1 x 4" spiral wound membrane  
Requirements: Ex II 3G IIC T4 inside,  
Ex II 2G IIC T4 outside  
Medium: propylene oxide



Customer: **Chemical and pharmaceutical Industry**  
Location: Germany  
Capacity: max. 750 L/ h  
Membrane: 2 x 7 x ceramic multi channel tubes  
1 x 4" spiral wound membrane  
Requirements: Ex II 3G IIC T4 inside,  
Ex II 2G IIC T4 outside  
Medium: different organic solvents  
(hexane, ethanol, toluene)