

# PME – premix membrane emulsification for increased flux in low shear low energy processes

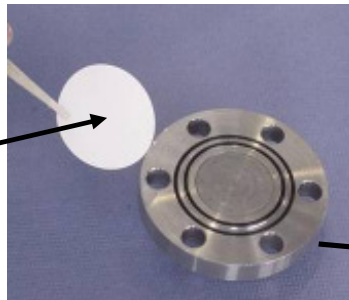
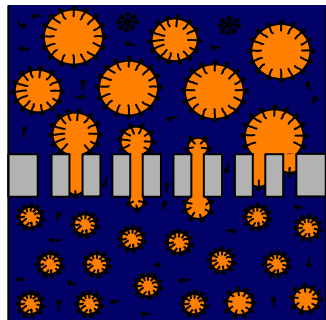
## Membrane:

lipophilic, hydrophilic  
mean pore size  
0.2 – several  $\mu\text{m}$

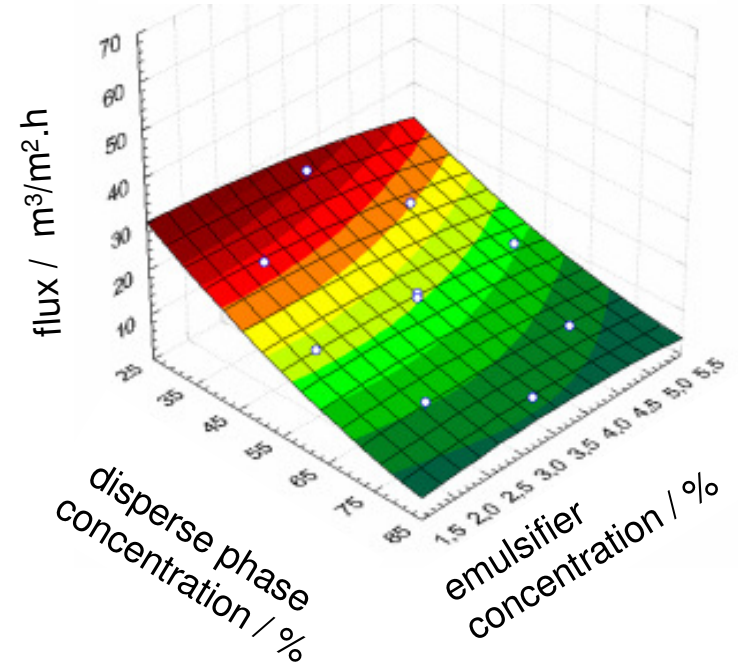
## Pressure difference:

$\Delta p \leq 15 \text{ bar}$

Disperse Phase 5 – 80 %



Schuchmann H.P., Badolato G.G., Lambrich U., Schubert H.  
Proc. 10th aachen membrane colloquium, 171-1842005



## **Problems:**

Fouling

→ characterization

→ membrane and process  
modification