

Supporting information

Synthesis and characterization of polyamide/polyester thin-film nanocomposite membrane achieved by functionalized TiO₂ nanoparticles for water vapor separation

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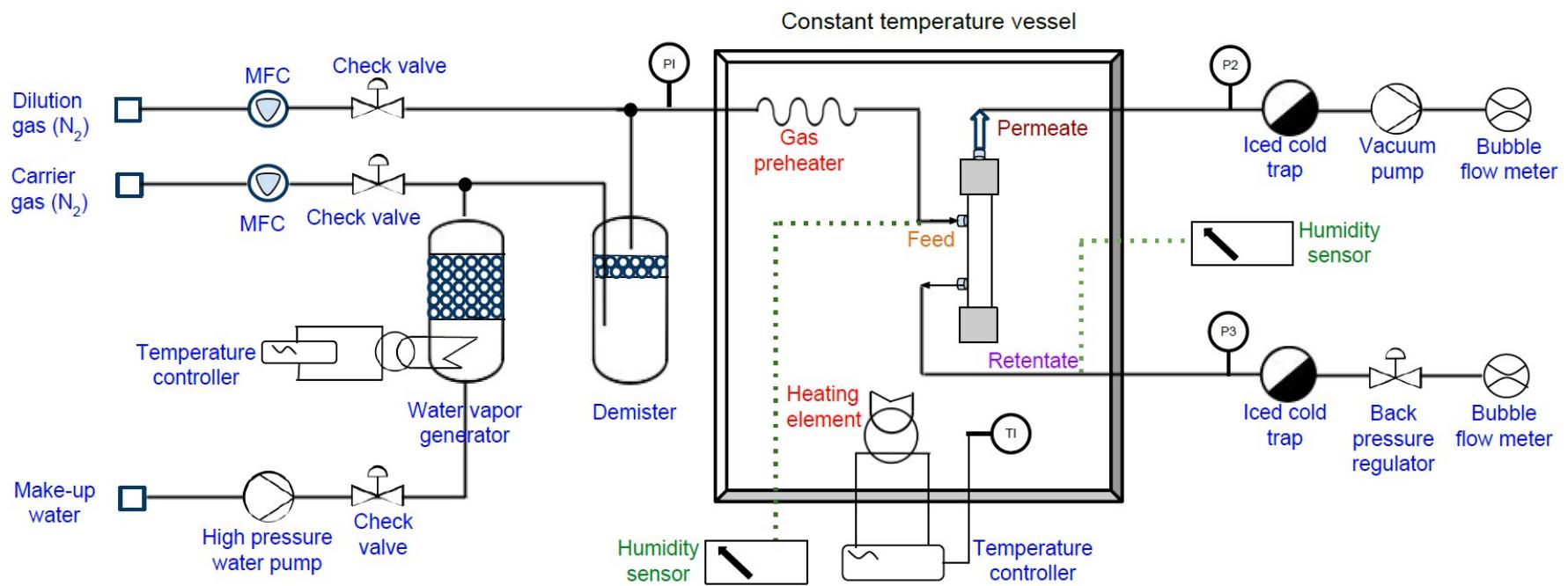


Fig. SI1: Experimental set-up for the water vapor/N₂ mixed gas separation experiment.

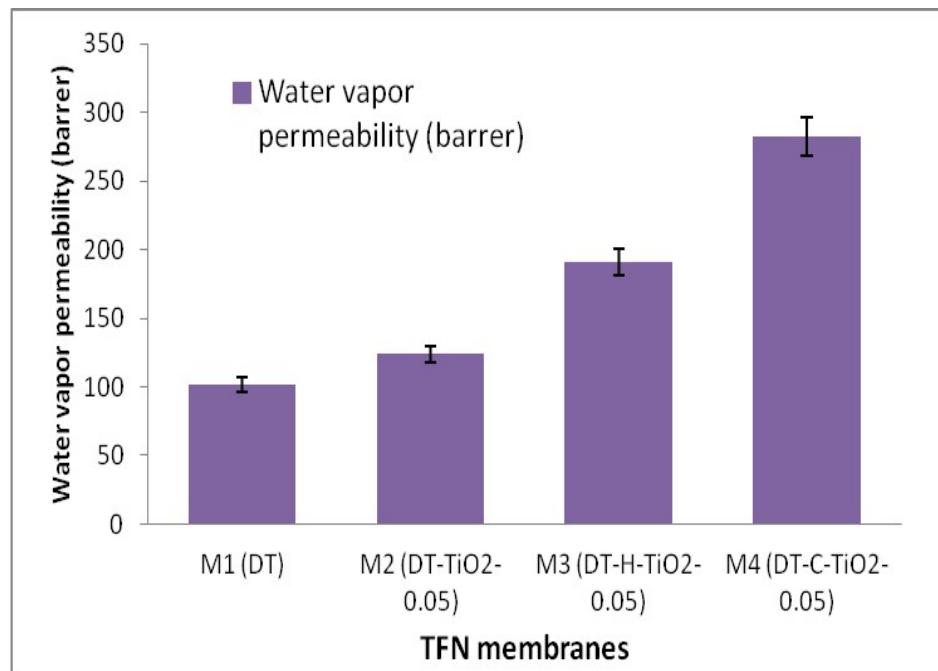


Fig. SI2: Water vapor permeability (barrer) of thin film composite and nanocomposite membrane at Temperature = 30 °C, operating pressure = 3 kg-f/cm², feed absolute humidity = 25-27 g/m³, feed flow rate = 1000 cm³/min.