

membrane contactors fundamentals applications pdf

2 Introduction membrane separation operations (reverse osmosis, micro-, ultra- and nanofiltration, electrodialysis, pervaporation etc.), already largely used in many different applications, are today conducted with new membrane systems such as catalytic membrane reactors and membrane contactors.

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different industries is using membrane contactors. Membrane contactor technology has applications in wastewater treatment, pharmaceuticals, fermentation, semiconductor manufacturing, protein extraction, carbonation of beverages, VOC removal from waste gas and so forth. Membrane systems that are designed to form an interface between two

Review of membrane contactors designs and applications of

In a membrane contactor the membrane separation is completely integrated with a conventional phase contacting operation like extraction or absorption.

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