Heat Transfer and Fluid Flow Characteristics for Newtonian and Non-Newtonian Fluids in a Tube-in-Tube Helical Coil Heat Exchanger

Naveen Kushwaha¹, Tara Chand Kumawat¹, Krishna Deo Prasad Nigam², Vimal Kumar^{1,*} ¹Department of Chemical Engineering, Indian Institute of Technology Roorkee, Uttarakhand – 247667, India ²Department of Chemical Engineering, Indian Institute of Technology Delhi, Delhi–247667, India

Supporting Information

• Variation of heat transfer performance parameter ($\eta = Nu_{with \ baffles}/Nu_{without \ baffles}$) in parallel and counter flow configurations

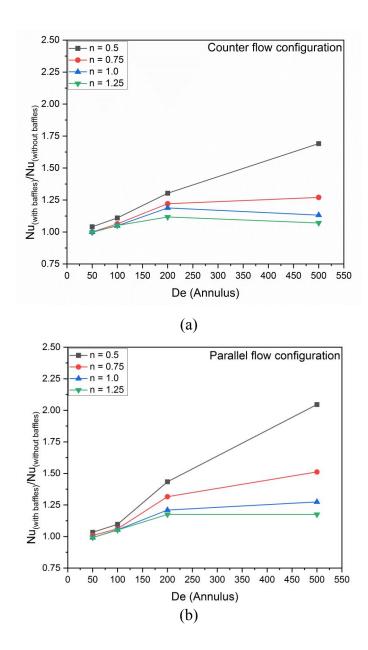


Figure S1 Heat transfer performance versus annulus Dean number in (a) counter and (b) parallel flow configurations.