

different sized microchannels. It was observed that all the nanofluids exhibited a certain critical concentration above which increasing the concentration had no greater impact on the pressure drop or the DR of the system. Increasing the flow rate also had an impact on DR efficiency, but it was noticed that, above the critical concentration limit, the flow rate did not have much effect on the %DR. The channel size was found to have no effect on the DR efficiency of the nanofluids.

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