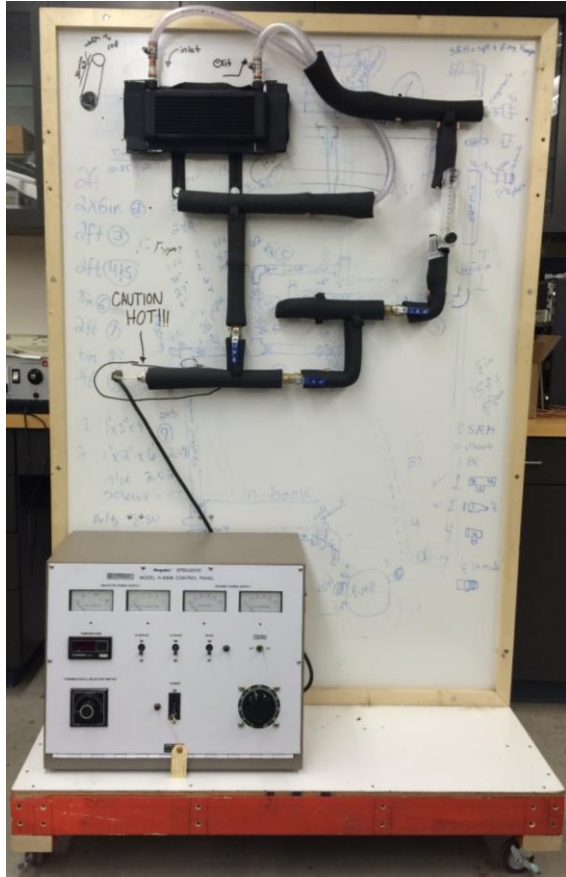


Heat Exchanger Demonstration Unit

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In today's society heat exchangers are everywhere and are taken for granted. They can be found from automotive to petroleum applications, they are a dominating. This Heat exchanger demonstration unit will be constructed to provide the University of Texas Pan-American a System that will educate the future undergraduate engineers in Thermal Sciences. Heat transfer is a subject with many concepts and students don't get enough time to fully understand how or why things work because of all the information that is being bombarded on them. By building a demonstration unit this will allow students to visually understand many of the concepts that are taught in the lecture portion of Heat and Mass Transfer. A visual representation of problems are the key to a better understanding a general purpose of why concepts were derived. Heat exchangers embody many of the main concepts of heat and mass transfer theorems and by aiding the students with a visual representation of text book examples; they may acquire enough information to enhance their knowledge in the subject and later apply it to different field. A demonstration unit will be an asset to their field of profession and they will have a higher chance of mastering the subject do to exposure of the information for a longer period of time.



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