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| <b>Product Name :</b><br>Process Vessel Accessory   | <b>Product Code :</b><br>NLAB-TECHNICALAB33005 |
| <b>Description :</b><br>Process Vessel Accessory  |  |
| <b>Technical Specification :</b><br>The addition of the process vessel allows more complex process control problems to be addressed, including remote set point demonstrations.<br>Again these all take place with the repeatability advantages that electronic and software control brings.<br>Single loops in combination:<br>Conductivity control of reactor contents by varying flow-rate of one component<br>Temperature control of reactor contents by varying heating fluid<br>Temperature control of reactor contents by varying heating fluid flow-rate<br>Temperature control of heating fluid by varying heater power<br><br>Remote setpoint control:<br>Ratio control of two flows (Fig 1)<br>Cascade control of conductivity and flow (Fig 2)<br>Feedforward control of flow to flow<br>Feedforward control of flow combined with feedback control of conductivity |  |

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