



This system will transport radioactive materials



System Components

•System requires a control circuit for the valves and blowers

•Electronic safety system prevents users from making conflicting decisions in manual or automatic mode

- Digital relays power the valves and blowers
- •Blowers and vacuums control the carrier speed
- Carrier pneumatically brakes at counting [station

•Circuit schematic for the blowers



Venting and Exhausting of Low Level Air Contaminants in the Rapid Pneumatic Transportation of Radioactive Samples System

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Control Panel

LabVIEW front panel



 LabVIEW permits hundreds of trials to test the reliability of the system •The system diagram shows the state of each valve and blower •The carrier is displayed in LabVIEW as it progresses through the system