

Valve Banks Control DNA Sampling Process

Customer Application:

A manufacturer of test equipment for the medical field contacted Pneumadyne engineers to develop a circuit to operate the sampling cylinders in a Nucleic Acid Purifier for DNA archiving. The system was required to draw, transfer and eject DNA samples with zero loss.

Application Requirements:

- Leak free
- Operate at a very low pressure
- Compact size
- Accommodate a row of 8 cylinders

Pneumadyne's Solution:

Pneumadyne engineers designed a custom manifold and installed our 10 mm solenoid valves to satisfy the requirements of this application. Two valve banks, one normally closed and one normally open, are used to perform the sampling function. This custom valve bank features:

- 8-station valve bank
- 10 mm solenoid valves
- Custom manifold
- Pneu-Edge fittings
- Normally closed and normally open design

Contact us today at sales@pneumadyne.com or sales@henrymwood.com to discuss the unique requirements of your testing application.