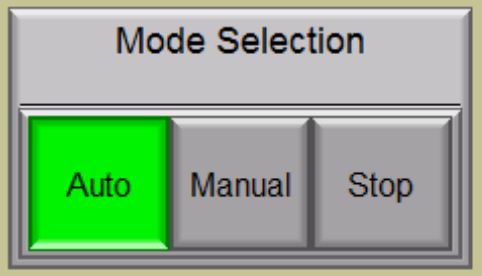
Carbon Waveglider Workbench

Configuration

Workbench setup

This draft UI concept is incomplete and incorrect - a starting point for markup and discussion.

Overall, the aim is to define the required UI operations along with preferences for controls and UI layout



What configuration items are required?

Emergency Stop

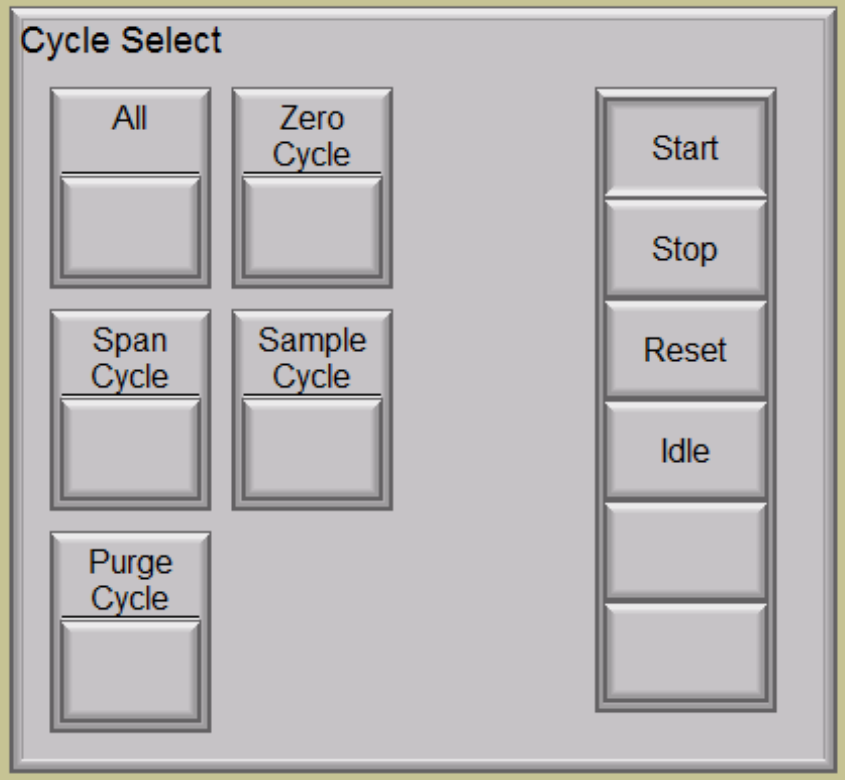
Stop

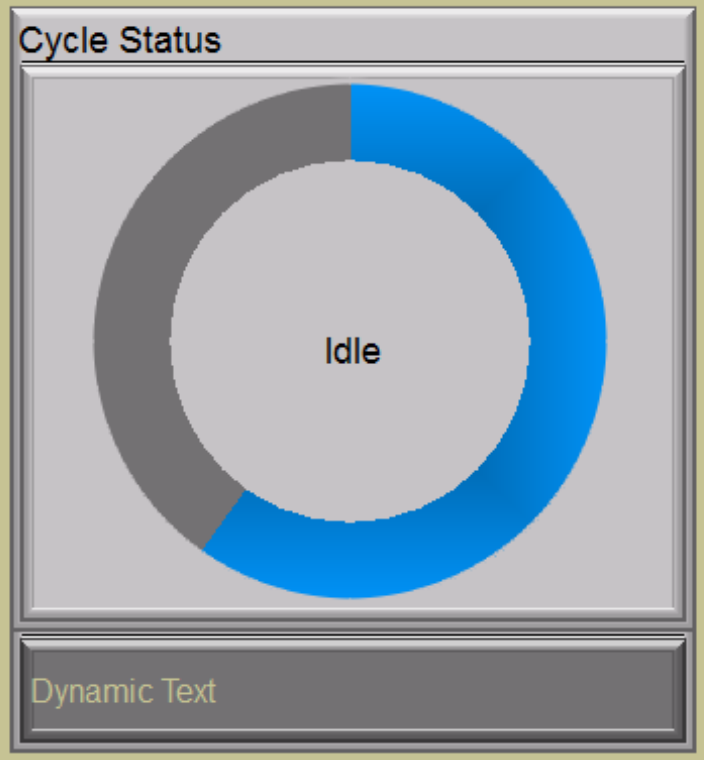
Carbon Waveglider Workbench

Operation Cycles

Run full or partial automated cycles

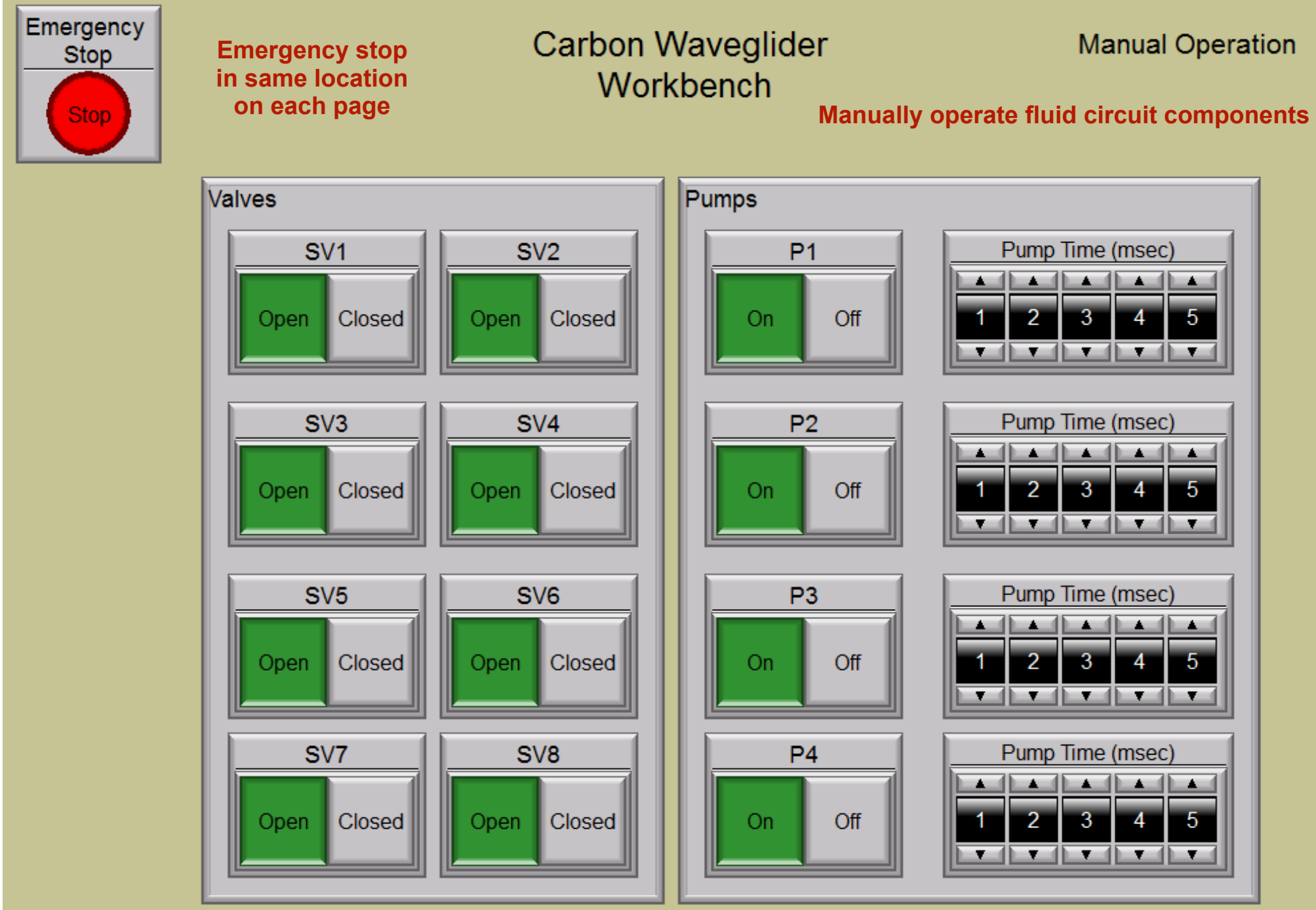
What operations/cycles are required?

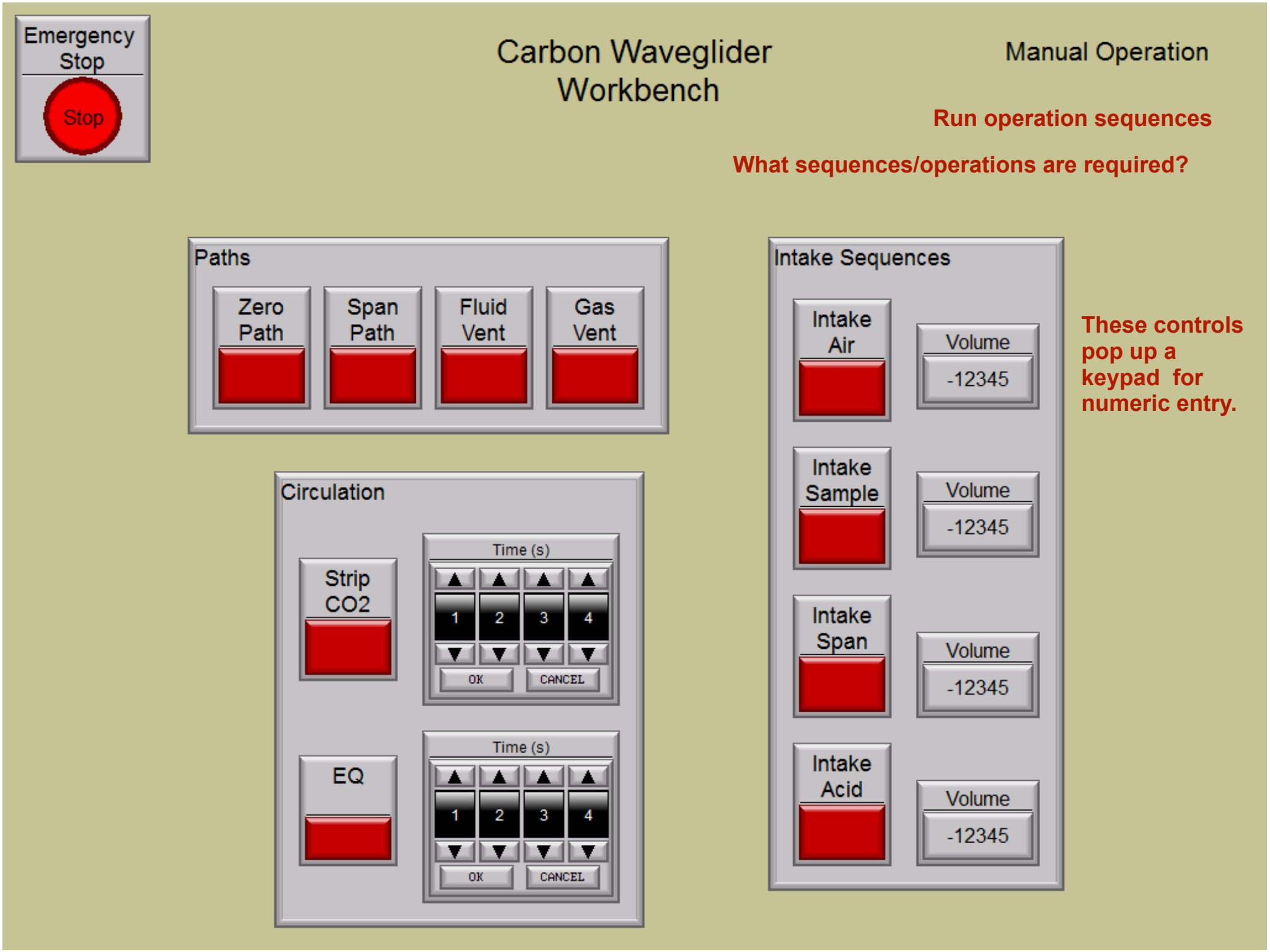




Select and run one or more cycles (ordering?)

Cycle name displays in center
Status info displays below


Emergency Stop
Stop
Emergency stop in same location on each page
Carbon Waveglider Workbench
Manual Operation
Manually operate fluid circuit components
Valves
SV1
Open
Closed
SV2
Open
Closed
SV3
Open
Closed
SV4
Open
Closed
SV5
Open
Closed
SV6
Open
Closed
SV7
Open
Closed
SV8
Open
Closed
Pumps
P1
On
Off
Pump Time (msec)
1
2
3
4
5
P2
On
Off
Pump Time (msec)
1
2
3
4
5
P3
On
Off
Pump Time (msec)
1
2
3
4
5
P4
On
Off
Pump Time (msec)
1
2
3
4
5
Would use descriptive component names
Pump Time=0 : manual off


Emergency Stop
Stop
Carbon Waveglider Workbench
Manual Operation
Run operation sequences
What sequences/operations are required?
Paths
Zero Path
Span Path
Fluid Vent
Gas Vent
Circulation
Strip CO2
Time (s)
1
2
3
4
OK
CANCEL
EQ
Time (s)
1
2
3
4
OK
CANCEL
Intake Sequences
Intake Air
Volume
-12345
Intake Sample
Volume
-12345
Intake Span
Volume
-12345
Intake Acid
Volume
-12345
These controls pop up a keypad for numeric entry.

Emergency Stop

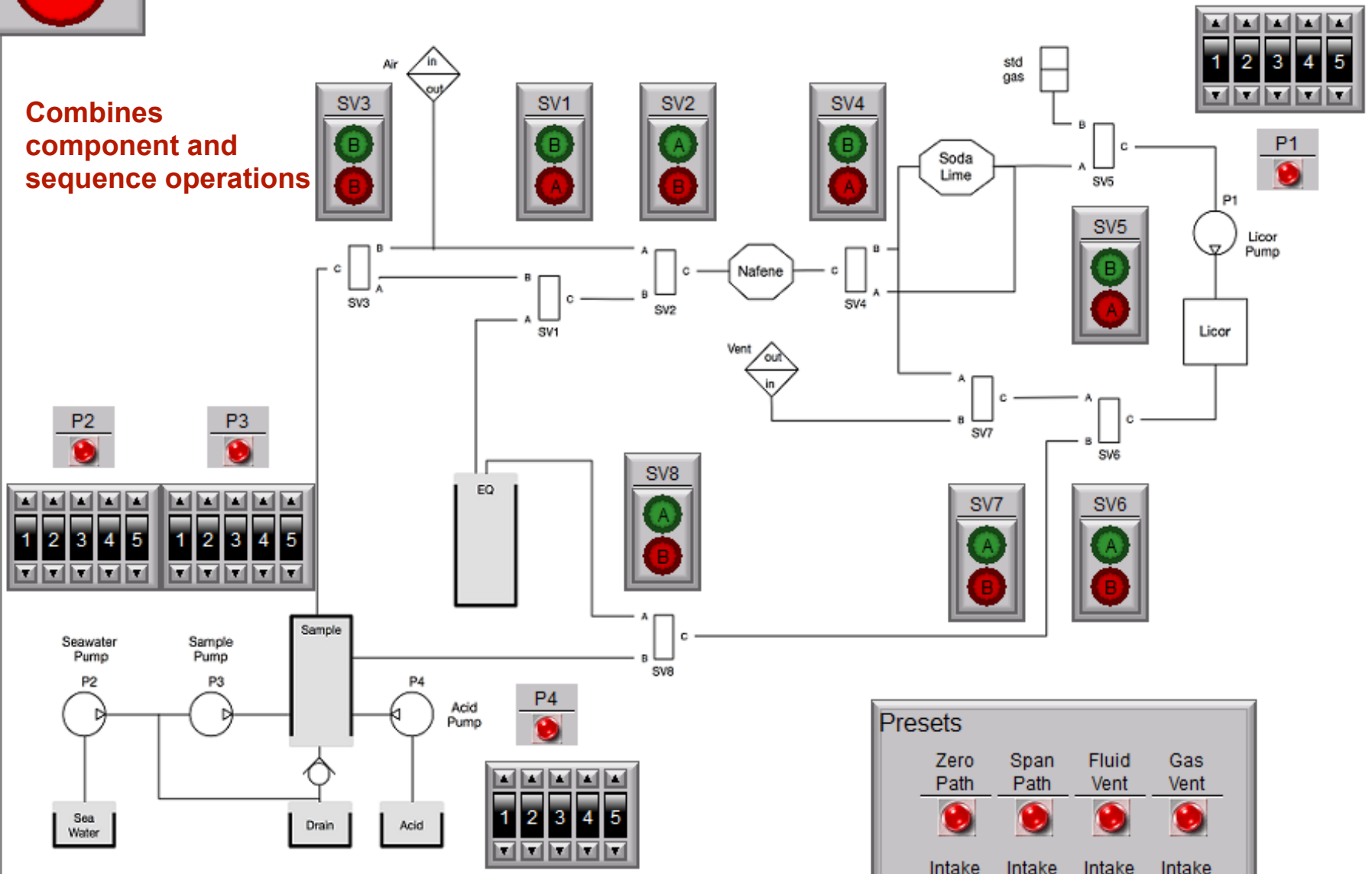
Stop

Carbon Waveglider Workbench

Manual Operation

Alternative graphical manual operation format

Combines component and sequence operations



Simplified schematic