

SNAP Controller

 **DigiVac**
Scientific Measurement & Control

SIMPLIFY YOUR LAB

Control more with less, increasing precision of target vacuum pressure

NIMBLE CONTROL

Maximize throughput and pump down speed with a 20 mm vacuum path for maximum flow

AUTOMATIC PROCESS CONTROL

Precise automated vacuum control with programmable recipes and graphing of levels



2 TORR TO 760
TORR CONTROL



BUILT TO CE
STANDARDS

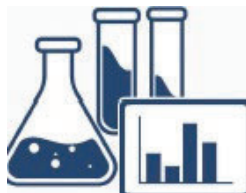


CALIBRATED
& PRECISE

SNAP

Applications

Research & Development



Vacuum Processing



Industrial



SPECIFICATIONS

Range of Control

2 Torr to 760 Torr

Accuracy/ Control

+/- 5% of reading

Time to Convergence

Within 5% after disturbance: <30 seconds

Integral Sensor:

Isolated Piezo sensor | SEN - 775i

Optional external sensor:

10 Torr capacitance manometer to regulate 50 microns - 10 Torr

Integral Sensor Accuracy

+/- 2 Torr

Integral Sensor Range

1-775 Torr

Integral Sensor wetted materials

Viton, 304SS, 316SS, PTFE, 567

Vacuum Path Orifice

Minimum orifice of 20 mm

Minimum Bleed Valve Orifice

8.25mm (6.35mm)

Set-Points

Quickly dial in set-points with control knob, START, STOP, Vent or Isolate the System

Vacuum Fittings

KF25

Power

Auto sensing 110 V / 220 V 50/60 Hz power supply

Novel Vacuum Control

Proportional throttle and proportional bleed control (vent to atmosphere) delivered from an integral dual valve module per channel

Output

Ability to be controlled remotely via USB for integration into larger systems.

Recipes

Program ramps and holds vacuum at different duration and vacuum level. Can program up to 10 recipes, with 24 steps per recipe

Enclosure

4.75" W x 4.25" D x 9.25" H

Weight

10 pounds; (SS Version 12 pounds)

Certifications

CE/UL/CSA, RoHS

Communications

via USB port (RS232 optional) through PC or laptop, using programs such as Putty or own Python app. PLC control with analog output

Optional External Valve

Choose a venting time and speed with the external valve option