

Vacuum Controller Comparison Chart



Features	SNAP	450	VPC
Control	best	better	very good
Multi step automation	Yes	No	with external software
Highest controllable pressure (Torr)	760	760	760
Lowest Controllable pressure (Torr)	0.01 (with external sensor)	2	2
Price	\$4,600	\$3,212	\$1,875
Flow path (mm)	20	7.14	3.81
Conductance L/s	36.44	4.6	1.33
Conductance L/m	2186.4	276	79.8
Conductance cfm	76.8884	9.706	2.8063
Vac control	proportional/multi position valve	proportional/multi position valve	on/off
Vent control	proportional/multi position valve	on/off	none
Wetted Materials	Viton, 304SS, 316SS, PTFE, 567	302 SS, 303 SS, 305 SS, 316 SS, 430F SS, FKM, PTFE, Nickel, Nitrile, Teflon, silicon, brass	316SS, Teflon
Analog out/in	Yes	No	No
USB	Yes	No	Yes
RS232	Yes	Yes	No
CE/UL/CSA	No	No	Yes
Easily work with PLC?	Yes	No	No
High Flow requirement?	Perfect	may be OK	No
Lower flow requirement, distillations > 20 Torr	Perfect	Perfect	Perfect
Automating evacuate - purge cycles?	Perfect	more difficult to use	No