Table 1. Tabulated MTI Tube Furnace with High Vacuum & Gas Delivery by Precision MFC

No	Model	Working Tube Dia.	Heating Rate	Working Temperature	Features	Item Image
1	OTF-1200X-HVC3-	-	1~20°C/min	Max: 1200°C Cont: 1100°C	The OTF-1200X-HVC series furnace workstation consists of an OTF-1200X series tube furnace, a precision mass flow gas control station, a high vacuum station, and other assembling parts. The ultimate vacuum rate goes to 10^-4 torr (with our sealing assembly provided). The mass flow gas control station mixes three kinds of gas together and allows the mixed gas to flow into a fused quartz tube inside the furnace. It is competent for the experiments as CVD, Diffusion and other thermo-treatments under vacuum status and shielding gas protected.	
2	OTF-1200X-III-HVC-LD	-	1~20°C/min	Max: 1200°C Cont: 1100°C	The OTF-1200X-III-HVC series furnace workstation consists of a OTF-1200X-III series three-zone tube furnace, a precision mass flow gas control station, a high vacuum station and other assembling parts. The max. working temperature of this workstation is 1200°C. The ultimate vacuum rate goes to 10^-4 torr (with our sealing assembly provided). The mass flow gas control station mixes several kinds of gas together and input the mixed gas into a fused quartz tube inside the furnace. It is competent for the experiments as CVD, Diffusion and other thermo-treatments under vacuum status and shielding gas protection. The furnace comes with a 4-channel digital LED display mas flow gas control station.	
3	OTF-1200X-4-III-9HV	100mm O.D x 92 mm ID x 1400 mm	Max: 20°C/min	Max: 1200°C Cont: 1100°C	OTF-1200X-4-III-9HV is CE certified 4" diameter split three-zone tube furnace with vacuum pump system (up to 10-4 torr) and 9 channel PLC Touch Panel precision digital Mass flow meters Gas Control System, which can control nine types of gases for CVD or diffusion	

4	GSL-1700X-HV-UL-LD	82mm in diameter x 1000 mm lenght	Max: 5°C/min above 1200°C and 10°C/min below 1200°C	Max: 1700°C (< 1 hr) Cont: 1600°C	GSL-1700X-HV furnace consists of a high-temperature alumina tube furnace and a high vacuum system. It can be heated up to1700°C by a different type of MoSi2 heating elements and achieve vacuum pressure up to 10^-4 torr with a diaphragm pump. It is widely used for material or chemical lab to sinter all types of new material samples under vacuum or other gas conditions. The temperature of the tube furnace is controlled by 30 segments programmable high precision SCR power controller with accuracy +/-1°C.	
5	GSL-1700X-4-HVC-LD	60mm O.D processing alumina tube	Max: 5°C/min	Max: 1650°C (< 1 hr) Cont: 1600°C	GSL-1700X-4-HVC-UL is CE certified and TUV(UL61010) or CSA Ready 60mm diameter single zone alumina tube furnace with high vacuum pump system (up to 10^{-5} torr) and 2 channel precision digital Mass flow-controllers, which can control two types of gases for CVD or diffusion and work up to 1600ºC.	
6	GSL-1700X-PRY-UL-LD	ID: 73mm; OD: 82 mm in diameter x 1000 mm length ID:92.10mm x OD: 101.60 mm x 1000 mm length.	5°C / min above 1200°C and 10°C/min below 1200°C	Max: 1700°C (1 hr) Cont: 1600°C	It can be heated up to 1700°C by a different type of MoSi2 heating elements and achieve vacuum pressure up to 10^-4torr with a diaphragm pump. It is widely used for material or chemical lab to sinter all types of new material samples under vacuum or other gas conditions. The temperature of GSL1700X tube furnace is controlled by 30 segments programmable high precision SCR power controller with accuracy +/-1°C.