

UGA series comparison chart

	UGA	UGA LT	UGA HT	UGA PM
Sample pressure range	10 Torr to 2 atmospheric pressure or higher: 30 Torr ~ 10 Torr 100 Torr ~ 30 Torr 360 Torr ~ 100 Torr 760 Torr ~ 360 Torr 2 atm ~ 1 atm higher than 2 atm (customer specific)	10 Torr to 2 atmospheric pressure: 30 Torr ~ 10 Torr 100 Torr ~ 30 Torr 360 Torr ~ 100 Torr 760 Torr ~ 360 Torr 2 atm ~ 1 atm	10 Torr to 2 atmospheric pressure: 30 Torr ~ 10 Torr 100 Torr ~ 30 Torr 360 Torr ~ 100 Torr 760 Torr ~ 360 Torr 2 atm ~ 1 atm	Mid vacuum range (1 mTorr to 20 Torr): 1 m Torr ~ 100 mTorr 0.1 Torr ~ 1 Torr 7 Torr ~ 0.7 Torr 20 Torr ~ 6 Torr
Pressure reduction	Two stages (capillary & pinhole)	Two stages (capillary & pinhole)	Two stages (capillary & pinhole)	single stage (capillary)
Primary Pumping system	Dual diaphragm pump system: 1 bypass pump, 1 backing pump for turbomolecular pump	Shared single diaphragm pump: Possible backflow into the main chamber of light gases such as hydrogen or helium	Dual diaphragm pump system: 1 bypass pump, 1 backing pump for turbomolecular pump	Single diaphragm pump: No bypass pump used 1 backing pump for turbomolecular pump
Hydrogen specified Turbomolecular pump option for continuous high concentration hydrogen gas sampling	Available	N/A	Available	Standard feature
Sampling valve system	Dual valve system: (sample valve and bypass valve)		No valves (Continuous sampling)	Single sample valve basic and optional SV for multichannel valve
Vent valve option	Available	Available	Available	Available
Multiple inlet option	16 channel multiplexer available	N/A	N/A	8 channel multiplexer available
Heated capillary option (single inlet only; length fixed to 1 m)	Heating up to 105 °C available to prevent water condensation inside capillary	N/A	Heating up to 220 °C is a standard feature. Good for detecting low vapor pressure liquid vapor without condensation in high temperature sample	Heating up to 105 °C available to prevent water condensation inside capillary
Chamber baking (up to 120 °C baking)	Standard feature	N/A	Standard feature	Standard feature
Sniffing leak detection mode	Available	N/A	Available	N/A