

Gas Distribution Equipment for Laboratory Pipelines

Purity Level Selection Table For Gas Chromatography

	PURITY LEVEL 6 Trace to 1 ppm	PURITY LEVEL 5-6 1 to 1,000 ppm	PURITY LEVEL 4-5 1,000 ppm to 1%	PURITY LEVEL 4 1% to 100%
FID (Flame Ionization Detector)				
Helium	UHP	UHP	HP	CP
Nitrogen	UHP	UHP	HP	CP
Hydrogen	UHP	UHP	HP	CP
AIR	UHP	HP	CP	CP
Carbon Dioxide	UHP	UHP	UHP	UHP
ECD (Electron Capture Detector)				
Carbon Dioxide	UHP	UHP	UHP	UHP
P5 (5% Methane balance Argon)	UHP	UHP	HP	
Nitrogen	UHP	UHP	HP	
Helium	UHP	UHP	HP	
TCD (Thermal Conductivity Detector)				
Helium	UHP	UHP	LEVEL 5	CP
Nitrogen	UHP	UHP	LEVEL 5	CP
Argon	UHP	HP	LEVEL 4	CP
Hydrogen	UHP	HP	LEVEL 4	CP
FPD (Flame Photometric Detector)				
Nitrogen	UHP	UHP	LEVEL 5	
Helium	UHP	UHP	LEVEL 5	
Hydrogen	UHP	HP	LEVEL 4	
Air	UHP	UHP	LEVEL 5	
PID (Photoionization Detector)				
Air	UHP	UHP	HP	
Nitrogen	UHP	UHP	HP	
Helium	UHP	UHP	HP	
Hall (Electrolytic Conductivity Detector)				
Helium	UHP	UHP	HP	CP
Hydrogen	UHP	UHP	HP	CP
Nitrogen	UHP	UHP	HP	CP
Air	UHP	UHP	HP	
MSD (Mass Selective Detector)				
Helium	UHP	UHP	HP	CP
Nitrogen	UHP	UHP	HP	CP
Hydrogen	UHP	UHP	HP	CP
Argon	UHP	HP	CP	CP

UHP = Ultra High Purity ((99.9999% - 6.0)

HP = High Purity (99.999% - 5.0)

CP = Commercial Purity (99.99% - 4.0)