

# Gas Distribution Equipment for Laboratory Pipelines

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## 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%
<b>FID (Flame Ionization Detector)</b>				
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
<b>ECD (Electron Capture Detector)</b>				
Carbon Dioxide	UHP	UHP	UHP	UHP
P5 (5% Methane balance Argon)	UHP	UHP	HP	
Nitrogen	UHP	UHP	HP	
Helium	UHP	UHP	HP	
<b>TCD (Thermal Conductivity Detector)</b>				
Helium	UHP	UHP	LEVEL 5	CP
Nitrogen	UHP	UHP	LEVEL 5	CP
Argon	UHP	HP	LEVEL 4	CP
Hydrogen	UHP	HP	LEVEL 4	CP
<b>FPD (Flame Photometric Detector)</b>				
Nitrogen	UHP	UHP	LEVEL 5	
Helium	UHP	UHP	LEVEL 5	
Hydrogen	UHP	HP	LEVEL 4	
Air	UHP	UHP	LEVEL 5	
<b>PID (Photoionization Detector)</b>				
Air	UHP	UHP	HP	
Nitrogen	UHP	UHP	HP	
Helium	UHP	UHP	HP	
<b>Hall (Electrolytic Conductivity Detector)</b>				
Helium	UHP	UHP	HP	CP
Hydrogen	UHP	UHP	HP	CP
Nitrogen	UHP	UHP	HP	CP
Air	UHP	UHP	HP	
<b>MSD (Mass Selective Detector)</b>				
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)