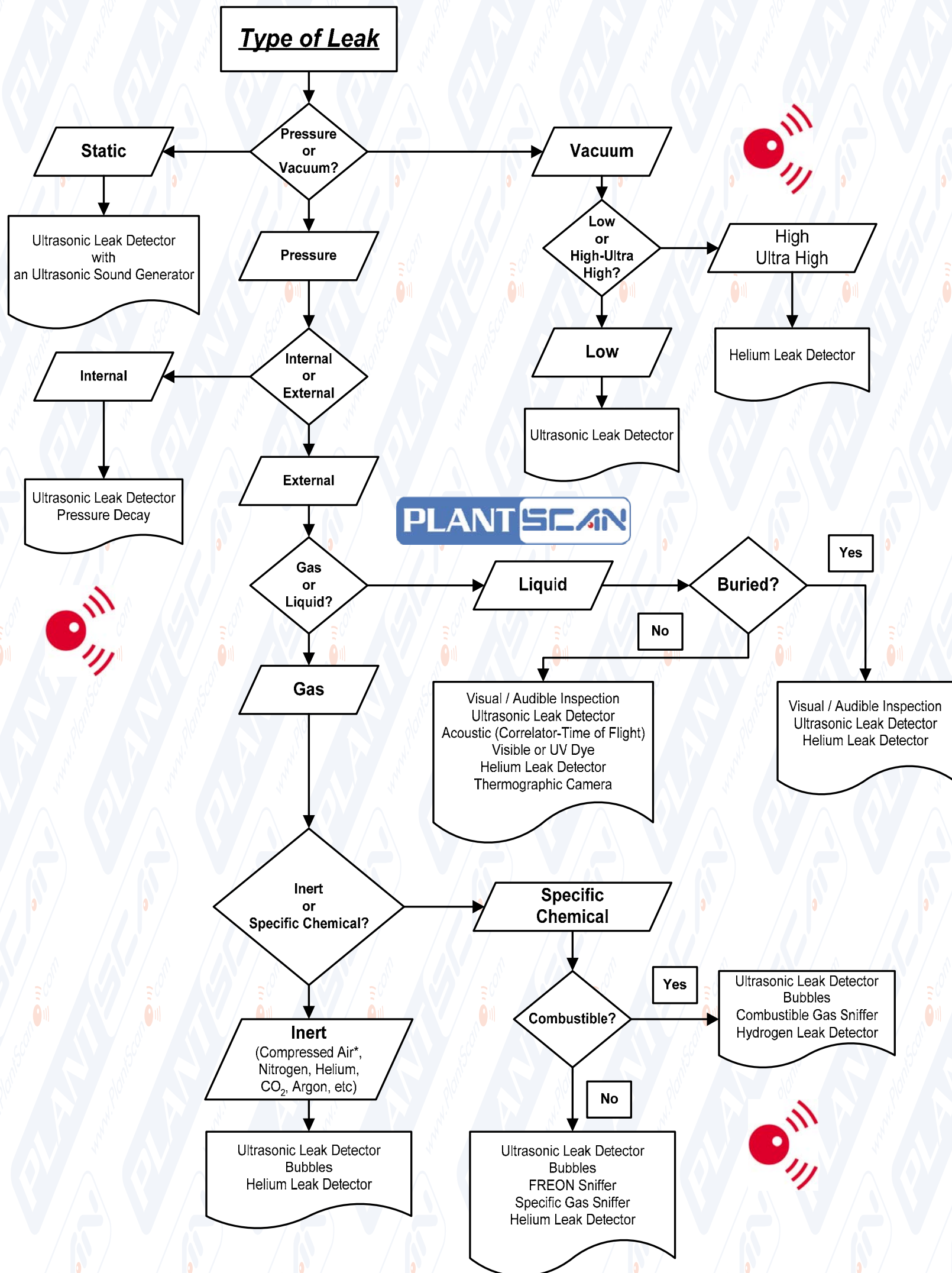


How to Select a Leak Detector

Use the chart below to help you select the type of detector you need for your application. The most universal type of leak detector is the Ultrasonic Leak Detector because it is gas independent, and can work in vacuum, pressure, in internal leaks as well as static leaks with the aid of an ultrasonic sound generator. Use the Table in the following page to find your application.



* Compressed Air, although it is not an inert gas, its detection is very similar to inert gasses because it does not smell different than the atmospheric air (since it is the same) and it is invisible.

Classification of Leaks

Type of Leak 				
Type of Leak	Positive	Negative	Internal	Static
Compressed Air Networks	X	X	X	
Gasses (All)	X		X	
Freon (All Types)	X			
Vacuum		X		
Engine Vacuum		X		
Engine Valves	X		X	
Suction Cups-Lifts		X		
Hydraulics	X		X	
Hydraulic Cylinders	X		X	
Pneumatics	X			
Steam Traps			X	
Valves (All types)			X	
Tanks	X	X		X
Ships-Bulk Carriers	X			X
Ships-Tankers	X	X	X	X
Walk-in Coolers				X
Cabs, Trailers, Vehicles				X
Compressors	X	X		
Evaporators	X	X		
Condensers	X	X		
Piping & Tubing Networks	X	X	X	
Tires & Inner Tubes	X			
Rooms, Roofs				X

Which (Portable) Detector Fits my Application?

Leaks–Detectors-Sensitivities 					
Sensitivity:	ULD	Bubbles	Color dyes visible or UV activated	Sniffers	SIPD-Helium
Minimum Detectable Flow Units: Pa·m ³ /s 1Pa·m ³ /s = 10 SCC/s	5X10 ⁻²	1X10 ⁻⁵	1X10 ⁻⁴	1X10 ⁻⁶	5X10 ⁻⁷
Leak:	ULD	Bubbles	UV-Visible Dyes	Sniffers	SIPD-Helium
Compressed Air	X	X		X	X
Gasses (All)	X	X	X	X	X
Freon (All Types)	X	X	X	X	
Vacuum	X				
Engine Vacuum	X				
Engine Valves	X			X	X
Suction Cups-Lifts	X				
Hydraulics	X		X	X	X
Hydraulic Cylinders	X		X		
Pneumatics	X	X		X	X
Steam Traps	X				
Valves (All types)	X				
Tanks	X	X		X	X
Ships-Bulk Carriers	X	X	X	X	X
Ships-Tankers	X	X	X	X	X
Walk-in Coolers	X				
Cabs, Trailers, Vehicles	X				
Compressors	X	X	X	X	X
Evaporators	X	X	X	X	X
Condensers	X	X	X	X	X
Piping & Tubing Networks	X	X	X	X	X
Tires & Inner Tubes	X	X		X	X
Rooms, Roofs, Windows	X				
ULD:	Ultrasonic Leak Detector				
Bubbles:	Immersion or Spray with soap or specialty products that form bubbles at the leak.				
Dyes:	Chemicals that are injected in the system that glow at the point of the leak when illuminated with visible or UV Light.				
Sniffers:	Sniffers are leak detectors that suck air and the leaked gas and respond to a specific gas or a family of gasses.				
SIPD:	Selective Ion Pump Detector, SIPD is a helium detector that responds only to helium gas and it can detect leaks in pipes buried in concrete or in the ground.				