

New Generation Refrigerants for Applications with Sniffer Leak Detectors

Multi-Gas Leak Detector Ecotec E3000

Several new generation refrigerants are part of the Ecotec E3000 multi-gas leak detector gas library. (see chart below). To use the new gases with the instrument, please contact your local INFICON sales organization.



Common Refrigerants with higher GWP		Detectable New Generation Refrigerants with lower GWP		
Refrigerant	GWP	Refrigerant	GWP	Part of the Ecotec E3000 gas library
R404A	3922	R407F	1825	with latest software version
		R442A	1888	with latest software version
		R449A	1397	with latest software version
		R452A	2141	with latest software version
R507	3985	R407F	1825	with latest software version
R134a	1430	R1234ze	7	with latest software version
		R441A	0	with latest software version
R245fa	1030	R1233zd	1	with latest software version

Refrigerant Leak Detector HLD5000/6000 Family

The HLD5000/6000 refrigerant leak detector family can detect several new generation refrigerants with lower GWP. (see chart below). The HLD5000/6000 SMART version can detect the new refrigerants as user defined gases. For further information, watch this short video:

<https://www.youtube.com/watch?v=9bNI513krro>

The new generation refrigerant R441A can be detected with the HLD5000/6000 R290/R600a version only.



Common Refrigerants with higher GWP		Detectable New Generation Refrigerants with lower GWP		
Refrigerant	GWP	Refrigerant	GWP	HLD5000/6000 Model Type
R404A	3922	R407F	1825	HLD5000/6000 SMART
		R442A	1888	HLD5000/6000 SMART
		R449A	1397	HLD5000/6000 SMART
		R452A	2141	HLD5000/6000 SMART
R507	3985	R407F	1825	HLD5000/6000 SMART
R134a	1430	R1234ze	7	HLD5000/6000 SMART
		R441A	0	HLD5000/6000 R290/R600a