

SELECTION GUIDE: Infrared Industries Sample Conditioners

A sample conditioner is a must in order to get a clean sample to a gas analyzer. It removes heavy vapors and particulates such as moisture, dirt, oils, and rusty water. This chart will help you decide when to purchase which sample conditioner.

	IR-741	IR-741XP	IR-1150	IR-1151
YOU NEED				
Brass wetted components	X			
Desktop mount	X			
Oil less pump	X	X		X
Flow meter (measures SCFH, SCFM, LPM, and LPH) – SCFH is standard	X	X	X	X
Gas selector valve for zero, span (calibration), and sample gases	X	X	X	X
High pressure (withstand up to 3000 psi) sample conditioner			X	
Low flow alarm		X		
Low pressure sample conditioner	X	X		X
Metered flow to adjust rate of sample flow	X	X	X	X
NEMA 4 certification	X			
NEMA 7 explosion proof enclosure		X		X
NEMA 7 explosion proof pump		X		X
Panel mount (wall)	X	X	X	X
Particulate filter and condensation trap	X	X	X	X
Pressure regulator with safety relief valve			X	X
Secondary filtering system			X	X
Stainless steel corrosive resistant components	X	X	X	X
Temperature controlled environment		X		
Two filter sample system			X	X
One year warranty	X	X	X	X
Extended warranty	X	X	X	X

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YOUR APPLICATION IS				
Chemical	X	X		
Combustion monitoring for boilers and furnaces	X	X		
Environmental monitoring	X	X	X	X
Monitoring atmospheres in heat treated and annealing furnaces and process steam control	X	X	X	X
Industrial	X	X	X	X
Laboratory	X			
Petroleum company, refinery, or transfer station		X	X	X
Pharmaceutical	X	X		
Stove emissions certification	X			
Utility	X	X	X	X