

Inland 45 Pump Oil

Recommended for most mass spectrometers.

- Ease at Cold Start
- Low Vapor Pressure 10^{-7} torr
- Non-toxic and Non-corrosive
- Compatible with Buna-N, Neoprene and Viton Seals
- Optimum Vacuum Pump Performance
- Lowest Mass Spectrometer Background
- Recommended for Optimum Mass Spec Performance

► **Tech Tip** Inland 45 is the highest quality rough pump oil you can use for your mass spectrometer.

Inland 45 permits strain-free cold starts as a result of its low pour point and high viscosity index (its viscosity is lower than that of typical vacuum pump oils at low temperatures). In addition, because it maintains its viscosity at high temperatures, it provides a good seal under full load conditions. Among other properties offered by Inland 45's unique molecular structure are chemical inertness and high-temperature stability superior to those of other high-performance oils, such as white oils; and low vapor pressure (10^{-7} torr at 25°C). This oil is recommended for use on all Agilent mass spectrometers as well as other systems where the best vacuum levels and lowest mass spectrometer background are required.

Non-toxic, non-corrosive and reclaimable, Inland 45 is compatible with Buna-N, neoprene and Viton elastomers; and miscible with petroleum based oils, Freon, aromatic solvents and flushing fluids.

Inland 45 is equivalent to Agilent Technologies Supergrade Oil # 6040-0834



Part No.	Description
INV45-1	Inland 45-1 gal. bottle
INV45-5	Inland 45-5 gal. drum -----
IN45-12	Inland 45-12 x 1 Liter -----
INV45-L	Inland 45-1 x 1 Liter -----
1N424	5 Gallon Drum Pump -----

Invoil® 20 Pump Oil

- Double Distilled
- High Resistance to Corrosive Attack
- Reduced Backstreaming
- Extended Fluid Life
- For Use In Corrosive
- For Ultimate Vacuum of Rough Pumps
- Vapor Pressure 3×10^{-6}
- Used In High Resolution Mass Spec Rough Pumps

Invoil 20 pump oil will provide superior results in vacuum pumps. This pump oil has dual applications, i.e. it can be used as a high grade rough pump oil but it also has applications as a low grade diffusion pump oil. This oil is recommended as a rough pump oil on mass spectrometers, SEM, and other vacuum systems where the ultimate in vacuum is desired. Invoil 20 will provide a decade improvement in pumping efficiency over Inland 19 when used in rough pumps. This oil can be used as diffusion pump oil on low grade vacuum systems but is not recommended for diffusion pumps on mass spectrometers and other equipment requiring high efficiency from the diffusion pumps.

Invoil 20 is the standard mechanical pump fluid used in applications involving corrosive or reactive gases. Typical applications include LPCVD, plasma etch and high resolution mass spectrometers. When compared to Inland 19, Invoil 20 will last three to five times longer.

Part No.	Description
INV20-1	Invoil 20 - 1 gal. bottle
INV20-5	Invoil 20 - 5 gal. drum -----
INV20-12	Invoil 20 -12 x 1Liter -----
INV20-L	Invoil 20 - 1 x 1 Liter -----
1N424	5 Gallon Drum Pump -----

