

**CLEAN. QUIET. RELIABLE.**  
**OIL FREE.**



## Agilent IDP-3 Dry Scroll Pump for the Agilent 5977, 5975, and 5973 Series GC/MSD

Oil-sealed rotary vane pumps are a major source of frustration, excess costs, and lost productivity. For starters, the oil must be changed and disposed of whenever it becomes discolored—typically every 6 to 12 months. Even worse, the cost of disposing the used oil can be more expensive per liter than the original purchase price.

Rotary vane pumps also have a tendency to fail due to oil starvation, or from blocked internal lubrication passages. This can result in costly service calls—and hours of unexpected downtime.

### Now there's a clean, compact, and cost-effective alternative to conventional oil-sealed pumps: The Agilent IDP-3 dry scroll pump

The Agilent IDP-3 dry scroll pump is an affordable way to make GC/MS productivity happen, and put the hassles of oil-sealed pumps behind you once and for all. It features:

- **Lower cost of ownership**, since the Agilent IDP-3 scroll pump operates without oil.
- **Better vacuum performance** than other pumps of comparable size.
- **Innovative scroll design** reduces the distractions of noise and vibration. Plus, there's no hydrocarbon exhaust and no oil mist filter required.
- **Small footprint and lightweight construction** are ideal for any instrument configuration—even inside cabinets.



The Agilent IDP-3 dry scroll pump delivers pumping speeds of 60 l/m (3.6 m<sup>3</sup>/hr), along with very low base pressure and optimal vacuum conditions for turbo molecular pumps at equivalent gas loads.

## Loud noise, oil leaks, and pump breakdowns don't have to be a fact of life

Here's why oil-free scroll pumps are the wise choice for research and industrial applications.

### A cleaner environment inside—and outside—of your lab

Dry IDP scroll pumps rapidly pump down to low base pressures, which ensures optimal turbo pump performance and greater system reliability. They also eliminate the risk of hydrocarbon contamination in the vacuum system. Perhaps most importantly, IDP scroll pumps reduce the amount of hazardous waste in our air, water, and soil.

### Better performance than pumps of similar size

Dry IDP scroll pumps deliver a strong vacuum, fast pumping speeds, and high gas throughput. What's more, their low base pressure ensures optimal turbo pump performance with greater system reliability.

### Quiet and unobtrusive

With their small footprint, lighter weight, and minimal power requirements, IDP pumps accommodate any system design. They place little burden on utilities, require no special voltage, and are suitable for use inside cabinet enclosures. Best of all, their low noise and minimal vibration—without a quiet cover—make the workday more pleasant for everyone in your lab.

## Ordering Information

Description	Part No.
Oil free IDP-3 scroll pump for 5973, 5975, and 5977 Includes IDP-3 pump, power supply, new foreline hose, and fittings	G6696A
IDP-3 tip seal kit	5190-9561

#### Important:

Agilent scroll pumps are limited to EI (Electron Impact Ionization) GC/MS systems. GC/MS systems driven predominantly in Chemical Ionization (CI) mode are excluded.

IDP-3 dry scroll upgrade kits are **not** compatible with the following 5973, 5975, and 5977 instruments:

- Diffusion pump equipped instruments
- Instruments using H<sub>2</sub> carrier gas
- CI instruments using NH<sub>3</sub> reagent gas

The Agilent IDP-3 dry scroll pump makes any application run more smoothly. Learn more at:  
[www.agilent.com/chem/IDP3](http://www.agilent.com/chem/IDP3)

### Complete your GC workflow:

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