

# The New Agilent IDP-35 and IDP-45 Dry Scroll Pumps

Advanced technology for higher-capacity vacuum applications



The Agilent IDP-35 and IDP-45 dry scroll pumps: quiet, oil-free vacuum for a wide range of applications where clean, higher-capacity vacuum is required.

## Adjustable gas ballast valve

The IDP-35 and IDP-45 models come standard with a simple (no tools), user-adjustable gas ballast knob. Select Hi, Low, or No Flow, depending on water vapor handling requirements.

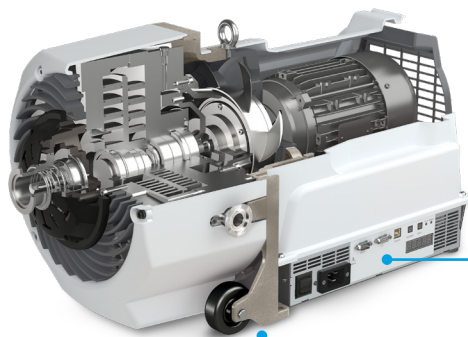
By setting the gas ballast knob, easily optimize pump performance based on the water vapor load, ensuring efficient and reliable operation.

## Integrated Pirani gauge head

The IDP-35 and IDP-45 pumps can be fitted with an integrated Pirani gauge head to measure pressures in the range of  $1 \times 10^{-4}$  to 1000 mbar, ensuring effective system monitoring.

## Reduce vibration and make movement effortless

Integral vibration isolation system reduces vibrations from the support surface while wheels enable easy movement of the pump wherever reliable vacuum is required.



## Hermetic design

The IDP-35 and IDP-45 pumps ensure complete isolation of pumped gases from the external environment. This closed system from inlet to exhaust is particularly well suited for rare gas and helium recirculation applications such as in cryostats.

## Set it and forget it: worry-free operation

With long life and simple tip seal replacement needed every two to three years, IDP dry scroll pumps truly are worry-free. The two-piece crankshaft design, unique to Agilent, eliminates the need for complex measuring, or specialized tools, and infrequent tip-seal replacement can be completed by an untrained technician in about half an hour.

## Simplify connection

The IDP-35, and IDP-45 are equipped with a Variable Frequency Drive (VFD), providing universally equivalent pumping performance independent of supply voltage. Get consistent performance worldwide from 105VAC to 240VAC (50Hz or 60Hz).



Quiet



Low DIY  
Maintenance



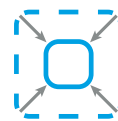
Oil-free



Low cost of  
ownership



Clean and  
sustainable



Compact

## Smart features: Increase control, precision, and enable remote real-time monitoring of your vacuum system

- **Interface with a PC or programmable logic controller (PLC) for remote operation and seamless integration:** The IDP-35 and IDP-45 scroll pumps can be used with an analog interface or with an RS-232 or RS-485 cable. These serial interfaces not only enable your vacuum system to interface with a desktop or laptop PC but also allow for integration into complex systems controlled by PLCs.
- **Enable precise vacuum control:** The interface panel on the IDP-35 and IDP-45 scroll pumps enables precise control over the pump performance so it can be optimized to the needs of your specific application.
  - Start the pump, initiating its operation.
  - Modify the rotational speed, thereby controlling pumping speed, within a specified range. Decrease speed once vacuum pressure is reached to make the system even quieter and reduce energy consumption and wear.
- **Know what is happening within your vacuum system:** Monitor the hour meter and rotational frequency on the easy-to-read digital display.

### Ordering information

System	Description	Part Number
IDP-35	IDP35 with inlet valve and gauge	X3835-64011
	IDP35 with inlet valve	X3835-64010
	IDP35 with gauge	X3835-64001
	IDP35	X3835-64000
IDP-45	IDP45 with inlet valve and gauge	X3845-64011
	IDP45 with inlet valve	X3845-64010
	IDP45 with gauge	X3845-64001
	IDP45	X3845-64000
<b>Accessory Parts</b>	Inlet HEPA filter, NW40	SCRINTRPNW40
	Exhaust HEPA filter, NW25	SCRINTRPNW25



To learn more, chat with an expert, or to contact an Agilent representative visit:

[www.agilent.com/vacuum/idpscrollpumps](http://www.agilent.com/vacuum/idpscrollpumps)

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