

VACUUM CONTROLLER

IG-100VC



CONTACT US

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ABOUT THE COMPANY

iGene Labserve Pvt. Ltd. is gaining recognition by offering resilient, innovative solutions in laboratory instrumentation across healthcare, genomics, drug discovery, biopharma, and food & beverage sectors. We strive to enhance lab efficacy and reduce challenges through advanced technologies and a diverse product portfolio tailored to our customers' needs.

DESCRIPTION

iGene Labserve vacuum controller IG-100VC is designed to regulate and monitor vacuum levels in laboratory systems. Equipped with a digital display and programmable settings for accurate control, it ensures consistent performance in sensitive procedures.

Ideal for use in filtration, rotary evaporation, distillation, lyophilization, and other vacuum-based processes where stable and adjustable vacuum control is essential.



KEY FEATURES

- **Automatic Evaporation Detection**
 - Precisely detects the onset of evaporation and automatically adjusts vacuum levels to optimize process performance and prevent product loss.
- **Real-Time Vacuum Regulation**
 - Ensures stable and consistent vacuum control through intelligent, real-time adjustments- minimizing the risk of bumping and enhancing safety.
- **User-Friendly Graphical User Interface (GUI)**
 - Intuitive display for seamless operation and navigation, enabling precise control at every stage.
- **Glove-Compatible Touchscreen**
 - Designed for laboratory convenience, the high-sensitivity touchscreen responds accurately even when operated with gloves- ensuring sterility and ease.
- **Universal Compatibility**
 - Easily integrates with a wide range of vacuum sources and systems, making it a flexible solution for varied laboratory setups.
- **Compact and Adaptable Design**
 - Space-efficient form factor ideal for both laboratory benches and industrial environments, offering unmatched versatility.
- **Programmable Vacuum Profiles**
 - Supports multiple operation modes tailored for processes such as filtration, drying, distillation, and evaporation- maximising workflow efficiency.
- **Digital Monitoring with Smart Alerts**
 - Real-time pressure display with built-in alerts ensure continuous monitoring and immediate response to any deviations.

TECHINCAL SPECIFICATIONS

SPECIFICATIONS	IG-100VC
Power input	DC 24V, 1A
Resolution	01 digit
Pressure display units	mbar, hPa, torr
Display	7" touch screen
Measuring range	1100 ~ 0 mbar abs
Measurement accuracy	± 2 mbar (after adjustment, constant temp.)
Setting range	1013 ~ 0 mbar
Housing material	ABS Plastic (Acrylonitrile Butadiene Styrene)
Venting valve	Yes
Auto-cleaning	Yes
Power	15 W
Hose barb	ID8 ~ ID10
Safety	Over-pressure Protection, Error Message
Dimension (L x W x H)	21 x 20 x 18 cm
Net weight	2.2 Kg



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