

# AIR COMPRESSOR

Air compressors are low-tech equipment widely used in laboratories. In spite of being humble instruments, they are essential in labs as they generate a clean air and provide a good and constant compression. LabTech air



compressors perfectly fit among the other lines, specially the Gas Generators, in the existing portfolio. They cover the large majority of needs of a medium lab with a wide range of models from 35 to 220l/min.



Air compressors operate completely autonomously, producing only what the machinery requires, without any waste. All models are integrated with a storage tank to support peak consumptions. They also have safety systems to ensure that the design parameters are not exceeded.

- » Oil-free
- » Low noise
- » Built-in humidity removal system
- » Automatic water drain
- » Self-protection function
- » Intuitive and simple operation
- » Easy maintenance
- » Stackable (LAC40N)

## MAIN APPLICATIONS

- AAS
- ICP-OES
- Evaporation
- Zero Air Generation for LZA Series
- Nitrogen Generation for LN Series
- Thermogravimetric Analysis (TGA)
- Direct Mercury Analysis System (DMA)

## TECHNICAL SPECIFICATIONS

	LAC35	LAC40N	LAC200S	LAC220S
<b>■ GENERAL DATA</b>				
Air flowrate (L/min)	35	40	200	220
Dew point	< -10°C (<-14°F)	< -20°C (< 4°F)	< -20°C (<-4°F)	< -20°C (<-4°F)
Pressure (bar)	7	10	10	8
Noise level (dB)	53	58	65	63
Power (kW)	0.7	0.75	2.5	2.2
Dimensions - W x D x H (cm)	46x32x45	61x40.5x46	59x69x74	59x69x74
Weight (kg)	30	43	130	130
Power Supply Voltage	220/240V - 50/60Hz	220/240V - 50/60Hz	220/240V - 50/60Hz	220/240V - 50/60Hz

## SUSTAINABLE GAS GENERATION FOR A GREENER FUTURE

By generating gas on-site and on demand, LabTech gas generators eliminate the need for delivered gas cylinders, reducing transportation emissions and the environmental impact associated with production and logistics. This significantly lowers the facility's carbon footprint while improving operational efficiency.

Our hydrogen, nitrogen, zero air generators and air compressor are engineered for optimized energy consumption, using advanced control systems to deliver only the amount of gas required on demand. This minimizes energy waste and ensures maximum resource efficiency throughout daily operations.

In addition, the long service life of our components, reduced consumable requirements and low-maintenance design contribute to less material waste over time. With fewer cylinder changeovers and deliveries, workplace safety is also improved creating a cleaner, safer and more responsible laboratory or production environment.

