



E-Vac® Vacuum Generators



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Vacuums for lifting, clamping, mounting and placement!

What Is The E-Vac?

EXAIR's compressed air powered E-Vac single stage vacuum generators are the low cost way to create a vacuum for:

- Pick and place
- Clamping
- Lifting
- Chucking
- Alignment
- Surface mounting
- Vacuum forming

E-Vac compressed air powered vacuum pumps provide instantaneous response and are most commonly used for pick and place operations. They are available in a variety of sizes and flows for a wide range of applications.

Why The E-Vac?

The E-Vac vacuum generators have been engineered for high efficiency to minimize air consumption. These single stage, all aluminum units provide consistent, steady vacuum, unlike mechanical vacuum pumps. Dust and small particulates easily pass through the vacuum generator and they have no moving parts, making them maintenance free.

EXAIR's E-Vac Vacuum Generator is available in 2 styles:

In-Line E-Vac Vacuum Generator

These single stage, cylindrical units are compact and easy to mount at the point of use. They can be held in place by threading them directly onto a compressed air line or with the use of a mounting clip. There are 7 models available for use with porous materials, like cardboard, with vacuum levels up to 21" Hg (71 kPa) and vacuum flows up to 18.5 SCFM (524 SLPM). There are 7 models available for use with non-porous materials such as glass, with vacuum levels up to 27" Hg (91 kPa) with vacuum flows up to 15.8 SCFM (447 SLPM).

Adjustable E-Vac Vacuum Generator

This series of vacuum generators permits easy adjustment by simply loosening the locknut and turning the exhaust to increase or decrease the level of vacuum and vacuum flow. This style is also an excellent choice where large particulate may be present and passed through the vacuum system. There are 4 models with adjustable vacuum up to 25" Hg (85 kPa) and vacuum flow up to 81 SCFM (2,294 SLPM).



In-Line E-Vac



Adjustable E-Vac

Applications

- Pick and place parts and equipment
- Bag/package opening
- Label placement
- Vacuum forming
- Mold evacuation
- Vacuum filling
- Leak testing
- Evacuate containers
- Clamping and chucking
- Paper alignment and feed in printing equipment
- Vacuum packaging
- Surface mounting
- Vacuum press for wood veneers and laminates
- Carton forming
- Robotic tooling
- Vacuum liquids for testing

Advantages

- Compact, portable
- Single stage design eliminates fluctuations in vacuum
- Quiet
- Instantaneous vacuum
- Easy to mount at point of use
- Lightweight, rugged
- No moving parts – no maintenance
- 18 models
- Fast response – increases cycle time
- Durable 6061 aluminum construction
- Safe operation – no electricity

