Pneumatics 2 eLearning Course | Valves, Vacuum Systems, & Air Logic

Vacuum Lifter Operation

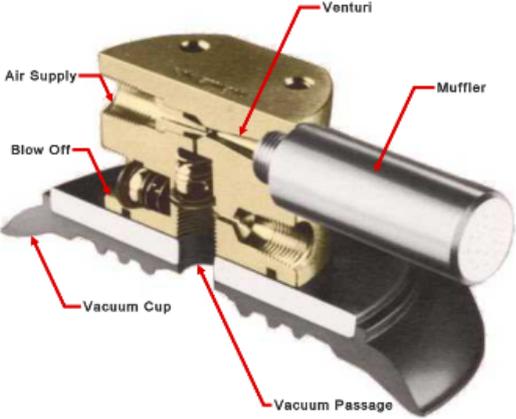The vacuum lifter is a vacuum cup, a Venturi or vacuum generator, check valve and a muffler all in one unit.

A lifter simplifies circuit assembly and provides the safety of a check valve if air supply fails.

The vacuum lifter is used in applications such as lifting glass sheets and sheet metal where loss of supply pressure could be dangerous.

Venturi

Air Supply

Muffler

Blow Off

Vacuum Cup

Vacuum Passage

eLearning Course: MB781

Amatrol's Pneumatics 2 eLearning course (MB781) teaches users the function, operation, and applications of CAM valves, externally-piloted valves, two-way valves, and shuttle valves. Additional topics covered are vacuum systems, manometers, and air logic design.

Teach Valves & Measurements

Types of Valves and Their Applications
Amatrol's Pneumatics 2 eLearning course (MB781) uses text, schematics, cutaways, and animations to clearly teach learners to distinguish between different types of valves and their applications in pneumatic systems. Valves discussed in this course include CAM valves, externally-piloted valves, two-way valves, and shuttle valves.

Pressure & Vacuum Measurements
Through this course, users will learn about vacuum and pressure measurement devices, such as gauges and manometers. Users will practice with provided mathematic formulas to calculate pressure and vacuum levels and convert units as appropriate. Unit conversion practice includes units of mercury to units of air pressure and units of water column to units of water pressure.

Interactive eLearning

Highly-Interactive Multimedia Format Appeals to All Learning Styles
Amatrol's Pneumatics 2 eLearning course features interactive eLearning curriculum that integrates various types of learning methods to create an engaging, effective learning experience. Amatrol's multimedia eLearning curriculum includes text with voiceovers, videos, 3D animations, pictures, and interactive activities, quizzes, and self-reviews.

Free Learning Management System (LMS)
Amatrol eLearning is easy-to-use for both students and instructors. Its web-based interface is simple to navigate and available on any WebGL-compatible Internet browser. Instructors love Amatrol eLearning for its simple, yet sophisticated Learning Management System (LMS). The LMS allows instructors to create custom courses, monitor

student participation, track course progress, assess knowledge levels prior to a course, and test knowledge levels after completion. Learners appreciate the fact that they can start and stop as needed, moving through each Amatrol course at their own pace. If a self-review reveals that they didn't understand a particular topic as well as they thought they did, they can revisit it before moving on.

Additional Info

Requires:

- Computer [(see Computer Requirements)](#)

Options:

- Pneumatics 2 Learning System (96-PNE2)

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