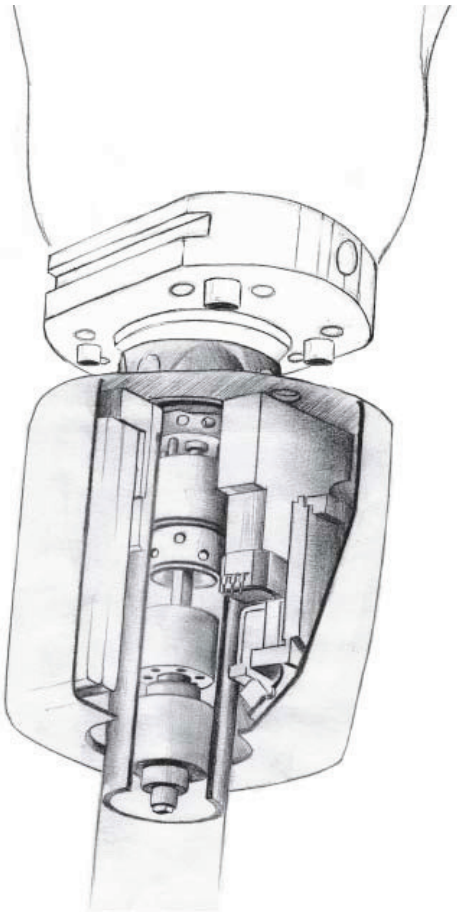
Edison

Augmented Suspension System



Next Generation Vacuum Suspension Technology

The New Orthocare Innovations Vacuum Technology
Vacuum sockets have proven their clinical benefits in recent years, though vacuum components have significant limitations. With nearly noiseless operation and advanced control methods, Edison sets a new standard for augmented vacuum suspension.

Edison Provides Noiseless Operation
In contrast to diaphragm-style pumps, the Edison's large bore piston design can operate at low speeds and high efficiency, providing nearly noiseless operation. The piston volume also acts as a surge tank, maintaining desired vacuum levels with only intermittent pump action.

Intelligent Design: Autonomous Control Methods
Edison's intelligent microprocessor control enables automatic reduction in vacuum level for sensor determined non-ambulatory states, and increased vacuum level for high levels of physical activity. This promotes greater suspension and proprioception when needed or desired. The patent-pending intelligent control methods employed in the Edison system ultimately provide greater patient comfort and flexibility for user desired function.

Edison Augmented Suspension System Features

- Large volume draw vacuum pump design affords surge tank integration
- Microprocessor provides autonomous control of vacuum level
- System automatically adapts to user's activities and needs
- Sophisticated vacuum pressure programming
- Near noiseless operation
- Cosmetically concealed within prosthesis structure
- Automatic leak detection
- Extended battery life