

iQ Vacuum System

The iQ Vacuum System by Freedom Innovations is a microprocessor controlled vacuum which can be mounted onto a user's lower limb prosthetic build. It provides and maintains elevated vacuum suspension, making automatic socket vacuum adjustment as sensors respond in real-time to changes in the user's activity.

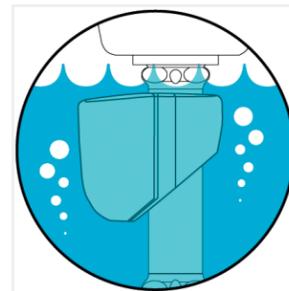
This system is intended for use by lower limb amputees who desire control over their socket and a physical connection to improve comfort.

The external unit design requires minimal space on a standard pylon, allowing for various build heights and also offering retrofitting options. The system can be controlled via clinician and user apps, for features such as vacuum adjustment, producing usage reports and quick access to battery charge level and step count.



Features and Benefits

- Waterproof, IP67 rated*
- Suitable for users of all activity levels
- System offers unparalleled quietness when operating
- Built-in leak detection which alerts users via the app
- Low-profile power/function button, with an indicator light to demonstrate current battery charge level
- Vent On Power-Off Mode allows air into the socket whilst the system is off to aid in doffing a prosthesis
- Micro USB connection for mains power charging



Waterproof*

*IP67 Rated: Dust ingress rating, and waterproof for up to 30 minutes at 1m depth

Ordering Information

Impact Level Descriptions

Low: Daily activities include mostly level ground walking, moving around in the home and the community.

Moderate: Daily activities include up to unlimited walking, climbing stairs and occasional moderate lifting (this does not include running).

High: Daily activities include fast walking, jogging, running, lifting heavy objects and/or recreational sports.

Description	Part Number
iQ Vacuum System Kit	NVAC-00-A1002-KT

Additional Parts Ordering Information

Description	Part Number
1.142" Clamp Bushings	NVAC-00-P0101-01
1.282" Clamp Bushings	NVAC-00-P0101-02
1.370" Clamp Bushings	NVAC-00-P0101-03
Filter Assembly	NVAC-00-A1011-00
1/16" ID Tube	NOTS-39-00030-00
1/8" 90 Degree Elbow Barb	NOTS-69-00010-00
Pylon Bumper, Foam Tape	NOTS-32-00008-00
AC/DC Wall Mount Charger	NOTS-62-00005-00
iQ Vacuum Device IFU	NIFU-03-004

iQ Vacuum App

Name	Freedom iQ Vacuum App (iQ Vac App)
Compatibility	Apple and Android
Download from	Apple App Store or Google Play Store
Modes	Prosthetist and User modes

For more information on how to setup the Freedom iQ Vacuum App, please see the Clinical Setup Manual provided with the device.

Technical Information

Weight	271g
Height	84mm
Width	76mm
Weight Limit	None
Distance from Pylon	64mm
Battery Life	2-3 days
Warranty	2 years
Water Resistance*	IP67 (*Safe for occasional submersion in water for up to 30 minutes at 1m depth)
Pump Space Volume	315mm ³

