

PUMP FOR NPWT

- **Small size 21*21*37mm or 31*31*57mm**
- **Programmable NPWT control system inside**
- **Built-in alarm speaker & LED alarm control**
- **Built-in vacuum sensing & control**
- **Cost-effective longevity**
- **Patented technology**

> OEM PUMP FOR NPWT

The Xavitech® pumps, P200 and P1500, are excellent choices for NPWT products. By merging NPWT product functionality into the microprocessor inside the pump and utilizing all the abilities of the pump, Xavitech has a truly integrated and miniaturized solution for the NPWT market.

> REFERENCE & EXPERIENCE

Xavitech has supplied thousands of pumps every year since 2007 to medical devices. The two pump models suitable for NPWT, P200 and P1500, are in production and used in many different applications.

> TECHNOLOGY

The pump technology is based on the patented X-life motor, which has very few moving parts. It does impress by being unique and simple. It is combined with a patented motion sensing and analysis system, which is integrated inside the pump. The system enables the pump to precisely sense vacuum without the use of any



Illustrated design presents a belt NPWT system containing a separate canister and a housing with user interface. The housing contains the P1500 pump from Xavitech and a battery.

regular pressure sensor. The method it uses to sense vacuum is covered by patent. Moreover, the pump has the ability to generate alarm sound using the pump membrane. At frequencies above frequencies that generate flow, the pump generates alarm tones. This allows the pump to give alarms such as low battery, canister full or leak. The pump also has the ability to estimate the amount of liquid inside a canister and

thus give warning. Using the built-in microprocessor Xavitech can program the pump to control external LED indicators or displays. The pump regulates its own power and can therefore be connected directly to almost any battery on the market. Since the pump is programmable it can be adjusted to the specification and interface requested by the market.

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> DESIGN CONCEPT

Presented here is an illustrated design based on the idea of a low-cost high-volume system to be sold for smaller wounds. The design is a wearable homecare device that has a separate disposable canister. The separate canister can also be of different sizes depending on the needs. The device illustrated would be the smallest one on the market but still housing our largest pump P1500 with one liter of flow.

software have been developed and are ready for demonstration. The partner should have good understanding of the wound care market.



> OUR OFFER

These pumps have the ability to become the next revolutionary miniaturized NPWT product. Xavitech is now looking for a partner that is willing to CE-mark and make the pump technology available to the market. Xavitech have developed concepts of housings and have the pump that would be used in them in full production. Functional pumps with NPWT

> LEGAL DISCLAIMER

The pump P200 and V1500 or the design concepts presented are not finished CE marked medical devices. They are potential components for future medical devices and ideas.

> INTELLIGENT PUMPS INSIDE:

> P200-GAS



Motor type: X-life motor
Supply voltage: 3.2 to 12 VDC
Wetted parts: PPS and EPDM
Weight: 39 grams
Size: 21*21*37 mm
Flow: 450 ml/min
Vacuum: 125 mmHg
Direct battery operation

> P1500-GAS



Motor type: X-life motor
Supply voltage: 3.2 to 12 VDC
Wetted parts: PPS and EPDM
Weight: 105 grams
Size: 31*31*57 mm
Flow: 1 L/min
Vacuum: 150 mmHg
Direct battery operation

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