

PUMP FOR GAS ANALYSIS

- **Small size**
- **Market leading lifetime-cost performance**
- **Excellent flow stability over time**
- **Minimizes pressure oscillations**
- **Synchronised strokes reduce sensor artifacts**
- **Very long lifetime**

> GAS ANALYSIS

The Xavitech[®] pumps V200 and V1500 are excellent choices for gas analysis. First of all, the invented X-life motor implies a longer lifetime than brushless pumps, yet Xavitech[®] pumps have about the same price as brushed ones. In addition, Xavitech[®] pumps offer important features such as constant flow and small pressure oscillations.

> REFERENCE & EXPERIENCE

Xavitech has supplied thousands of pumps every year since 2007 to medical capnography devices and other gas analysis instrument to happy customers. Customers have measured up to ten times smaller pressure oscillations using Xavitech[®] pumps compared to available diaphragm pumps on the market for air sampling. The pumps can also synchronise with gas sensors such that they always make a pump stroke after a gas measure. This further removes the usual artefact of pressure oscillations. It is easy to

integrate a Xavitech[®] pump in a system. Either the pump configuration is done by Xavitech[®] engineers or the customers use the flow calibration unit to set-up flow rate, vacuum power and input voltage themselves. The information from such a customer evaluation is then forwarded back to Xavitech[®], thus providing a quick production transfer. Finally, it is important to notice that the allowed input voltage ranges from 3.2 to 26 volts without the use of voltage regulators. Thus, all the power loss in such a device is avoided.

> RECOMMENDED MODELS

- **V200-GAS**
- **V1500-GAS**

IF YOU ARE INTERESTED IN MORE INFORMATION ABOUT XAVITECH PUMPS OR NEED ASSISTANCE WITH THE DESIGN OF THE ELECTRONIC SYSTEM PLEASE FEEL FREE TO CONTACT US.



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