

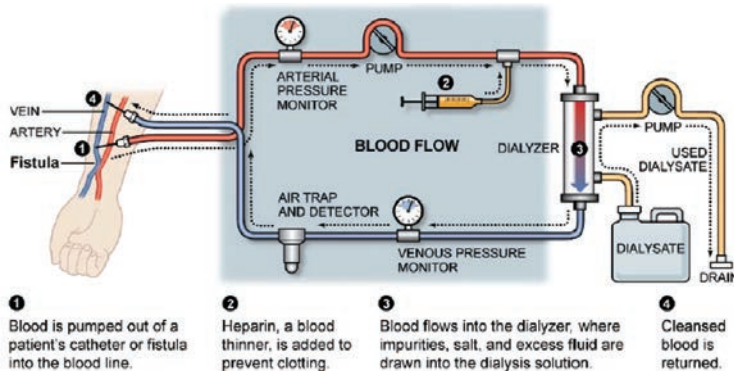
# Application Spotlight

## Pressure Sensors for Hemodialysis Equipment

Your kidneys play an important role in maintaining the health of your body, including maintaining equilibrium of water and minerals, excreting some acidic end-products, and producing vital fluids. When a person experiences kidney failure, they must rely on a dialysis machine to serve as their kidneys and perform these essential functions.

**For a medical device as essential as a dialysis machine, only the highest quality components will do.**

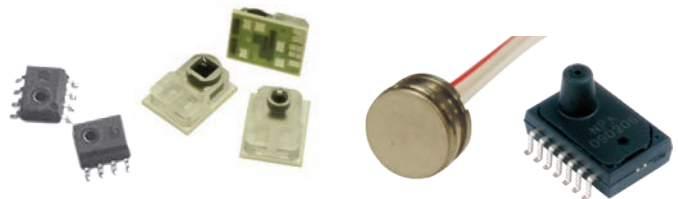
Equipped with the technical knowledge, advanced design expertise, and in-house wafer fabrication capabilities, the NovaSensor pressure sensor product line includes state-of-the-art, high performance and cost effective sensor solutions known for their accuracy, reliability and size. Our Microelectromechanical Systems (MEMS) piezoresistive sensors are mounted into application-specific packaging to address even the most challenging medical requirements.



	NPC-100 / NPC-120	NPI-12	NPP-301
Sensor Solutions	<ul style="list-style-type: none"> <li>• Solid state, high reliability</li> <li>• Media compatibility</li> <li>• Factory-filled with dielectric gel</li> <li>• Fully tested and temperature-compensated</li> <li>• Low cost disposable design</li> </ul>	<ul style="list-style-type: none"> <li>• Solid state, high reliability</li> <li>• Standard TO-8 package</li> <li>• Pressure Range: 2psi to 5,000psi</li> <li>• Absolute, gauge or differential</li> <li>• Low cost media Isolation</li> </ul>	<ul style="list-style-type: none"> <li>• High accuracy and reliability</li> <li>• Pressure Ranges: 100, 200, 700 kPa</li> <li>• Wide operating temperature range (-40°C to 125°C)</li> <li>• Small size, low cost solution</li> <li>• Low power requirements</li> </ul>

### Additional Product Documents for Download:

- [NovaSensor NPP-301 | Surface Mount Pressure Sensors](#)
- [NovaSensor NPC-100 | Disposable Medical Pressure Sensors](#)
- [NovaSensor NPC-120 | Disposable Medical Pressure Sensors](#)
- [NovaSensor NPI-12 | Stainless Steel Media Isolated Sensors](#)
- [NovaSensor NPA Series | Surface Mount Pressure Sensors](#)



Amphenol NovaSensor is a leading innovator in advanced sensing technologies and embedded measurement solutions customized for a wide range of applications to provide critical information for real time decisions. We offer industry-leading application expertise, rapid customization and world-class manufacturing capability to deliver the greatest value to our customers.