

## **Suction and Semi-Suction Suspension**

Suction and semi-suction socket designs can be used in both transfemoral (above knee) and transtibial (below knee) prostheses. In this case, an expulsion valve is installed in the bottom of the prosthetic socket. As the patient dons (puts on) the prosthesis, air escapes through the valve creating negative pressure, or suction, on the residual limb. This type of suspension requires that the patient maintains consistent limb volume and that his/her socket fits precisely.



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