



5280
PROSTHETICS

Elevated Prosthetic
Technology

Socket Technology Catalog

PUCK CERTIFICATION



- Get certified today to order all 5280 puck technology products.
- 45 minute online training tutorial
- Visit www.5280Prosthetics.com for details or contact us today.

JOIN THE PUCK NATION

Certified Clinicians gain Access to 5280's
Advanced Vacuum Socket Design Library



- Trans-Femoral Vacuum Courses
- Two Stage Trans-Femoral Vacuum Socket Fabrication
- Two Stage Trans-Tibial Socket Design
- Adjustable Vacuum Socket Designs
- Vacuum Casting
- Socket Sealing Techniques

5280 Internal Vacuum Technology Difference

BETTER DESIGN

Internal vacuum eliminates socket leak points

- No hoses, ports or socket barbs
- No attachment plates that can loosen over time
- Unlike external vacuums, the fittings of the pump are contained inside the socket, eliminating pump leaks
- Vacuum reservoir extends vacuum life

SIMPLE FABRICATION

Vacuum tight sockets have never been easier



1 Bond Dummy To Model



2 Fill Transition Between Dummy and Model



3 Blister form Plastic and/or laminate Socket



CHOICE

Puck Technology allows clinicians to utilize any prosthetic foot due to minimal clearance requirements. 5280 Vacuum Pucks work with a variety of urethane and silicone liner selections including sealing liners. Socket fabrication is simple and allows clinicians to easily fabricate airtight sockets without complication. Pucks can be interchanged allowing clinicians the ability to select different vacuum functionality based on individual patient needs and requirements.



A socket with a mind of its own



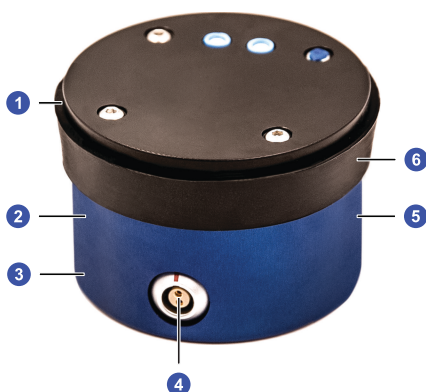
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SmartPuck is the world's first intelligent socket system with integrated elevated vacuum. The SmartPuck is an APP controlled smart vacuum designed to maintain a constant vacuum level within the socket. The SmartPuck can be operated via a smart device OR magnetic hall switch for simple ON/OFF functionality.

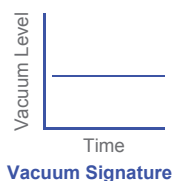
SP - 200

- 1 Smart vacuum set and forget functionality
- 2 Easy on/off magnetic switch
- 3 Negative pressure tank to improve vacuum life
- 4 New plug-in charger
- 5 Improved firmware and functionality
- 6 Self-sealing



Smart device compatible

Patients can adjust their setting to exact vacuum levels for maximum comfort





Modular socket vacuum chamber
& negative pressure tank



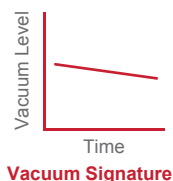
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The AirPuck™ system is a cost effective vacuum reservoir that can be connected to any external vacuum source to maintain negative pressure within the prosthetic socket for extended periods of time.

AP - 100

- | | |
|---|---|
| ① Completely self-contained
No hoses, wires, or charge ports | ⑤ Interchangeable with SmartPuck™ |
| ② Self-sealing socket mechanism creates
an airtight seal with every installation | ⑥ Easy fabrication with no external
porting into the socket required |
| ③ Free flow or check valve option | ⑦ Compatible with brake
bleed pumps, Foodsaver® |
| ④ Internal negative pressure
tank to extend vacuum life | ⑧ No noise emissions |





Valve and Vacuum All in One
Sleeveless vacuum with
integrated release valve



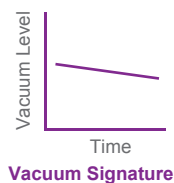
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VaporPuck is specifically designed for internal sealing liners. It's a simple durable On Demand vacuum at the touch of a button. The VaporPuck has an integrated release valve to allow for easy donning and doffing with liners that create a seal against the socket wall.

VP - 100

- ❶ Internal vacuum reservoir
- ❷ Integrated release valve
- ❸ Easy push button on demand function
- ❹ Easy plug-in charge port
- ❺ Works with all sealing liners
- ❻ Leak free design
- ❼ Low noise emissions
- ❽ Adjustable vacuum level





Magnetic On Demand Vacuum System
With Negative Pressure Reservoir



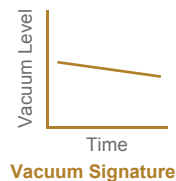
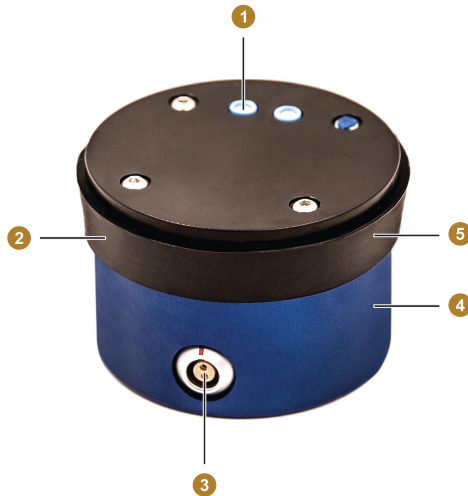
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The MagPuck is a magnetically actuated On Demand vacuum system that can be activated by simply holding the magnet fob next to the MagPuck. The MagPuck features a large vacuum reservoir that extends vacuum life throughout the day. No Smart devices or external buttons are required for operating the MagPuck.

MP-100

- 1 Completely self contained
No hoses, wires or attachment plates.
- 2 Easy on demand magnetic switch to
turn vacuum pump on and off.
- 3 New plug-in charger
- 4 Internal negative pressure tank
extends vacuum life
- 5 Self-sealing - airtight socket design
- 6 Interchangeable with SmartPuck™,
AirPuck™, and VaporPuck™





No Clearance...No Problem
Trans-femoral side-mount
vacuum system



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ZeroPuck is a unique trans-femoral / zero clearance vacuum that can easily be installed in almost any socket configuration, including flexible sockets.

The ZeroPuck is available in both a Smart or On Demand version.

The ZeroPuck features a vacuum seal as well as an integrated release valve.



OD™

On Demand Vacuum
ZP - 100

On demand functionality

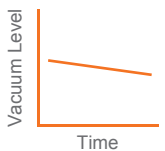
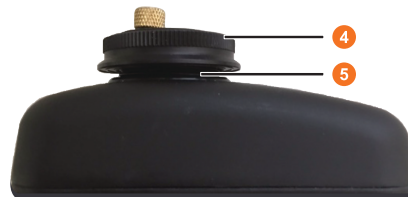
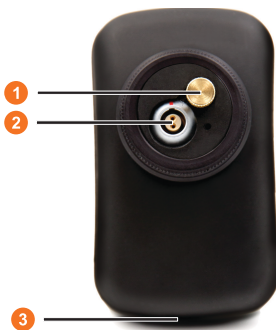
SP™

Smart Constant Vacuum
ZP - 200

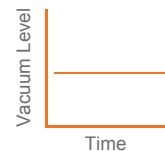
Smart device compatible



- 1 Integrated release valve
- 2 External charge port
- 3 Magnetic hall switch for vacuum activation
- 4 Compression nut
- 5 Self-sealing
- 6 Works with all sealing liners
- 7 Single or two stage compatible
- 8 Zero clearance side mount vacuum



Vacuum Signature



Vacuum Signature



Tooling

AP - 100CAD



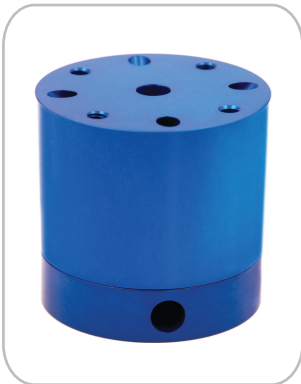
CAD Tooling

AP - 100MD



Molding Dummy

AP - 100DI



Distal Injection Tool

ZP-100MD



ZeroPuck™ Molding Dummy

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Catalog

AP - 100



AirPuck™

MP - 100



MagPuck™

SP - 100



SmartPuck™

VP - 100



VaporPuck™

ZP - 100



ZeroPuck OD™

ZP - 200



ZeroPuck SP™

IP-100-16



Ipod Touch

P-CHGR



Charger Replacement

AP - 001



Filter Pack

AP - 002



AirPuck O-Ring Replacement Kit

AP-003



AirPuck Seal Replacement

AP-004



Puck Lube

P-CHGR-L



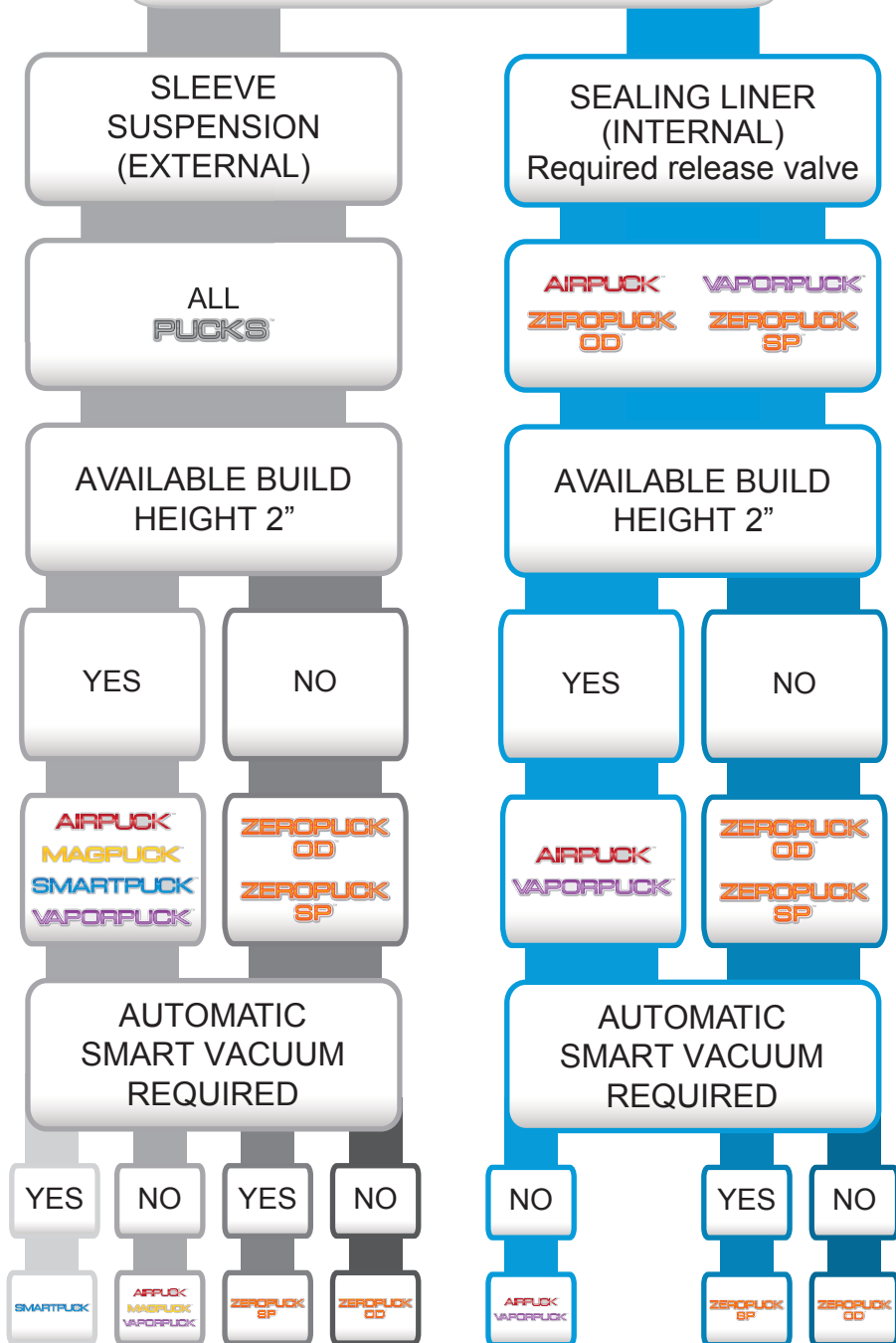
Lanyard Charger Upgrade

AP-010



Magnet

PUCK SELECTION GUIDE





5280

● Yes
● No

AFFLUCK
AP - 100

VAPOPUCK
VP - 100

MAGPUCK
MP-100

SMARTPUCK
SP - 200

ZEROPUCK OD
ZP - 100

ZEROPUCK BP
ZP - 200

Electric On Board Vacuum Pump	●	●	●	●	●	●
External vacuum source required	●	●	●	●	●	●
Smart device APP	●	●	●	●	●	●
Constant Vacuum (Automatic Regulation)	●	●	●	●	●	●
Vacuum reservoir	●	●	●	●	●	●
Sleeve suspension compatible	●	●	●	●	●	●
Sealing Liner compatible	●	●	●	●	●	●
By pass valve for sealing liners	●	●	●	●	●	●
Vacuum release valve	●	●	●	●	●	●
Push button vacuum Actuator	●	●	●	●	●	●
Magnetic Actuator (no external Button)	●	●	●	●	●	●
On demand vacuum (manual activation)	●	●	●	●	●	●
Magnetic on/off switch	●	●	●	●	●	●
Automatically seals socket w/ install	●	●	●	●	●	●
2" build height	●	●	●	●	●	●
Zero clearance (0") build height	●	●	●	●	●	●
External plug-in charger	●	●	●	●	●	●
Interchangeable W/ Other Pucks	●	●	●	●	●	●
Interchangeable W/ Other ZeroPucks	●	●	●	●	●	●
Light weight	●	●	●	●	●	●
2-3 day battery life	●	●	●	●	●	●
5-7 day battery life	●	●	●	●	●	●
Waterproof	●	●	●	●	●	●
Water resistant (W/ Socket Sealed)	●	●	●	●	●	●
TT/TF Compatible	●	●	●	●	●	●
No Hoses Required	●	●	●	●	●	●
No Adaptor Plates needed	●	●	●	●	●	●
Quiet vacuum function	●	●	●	●	●	●
Weight	170 g	235 g	196 g	220 g	130 g	130 g
Height	1.84"	1.84"	1.84"	1.84"	0"	0"



Central Fabrication

Let us do the work for you.

Leak Free | Flexible | Dynamic



- Hybrid Polymer Socket
- Extreme Comfort
- Every X-LIM™ vacuum socket is specially designed to be airtight - guaranteed!
- Three different internal vacuum module options: SMARTPUCK™, AIRPUCK™, and VAPORPUCK™
- X-LIM™ sockets are heat moldable and adjustable Lighter than carbon
- Higher impact and tensile strength than carbon
- Watertight
- Modular design - easy socket changes
- Adjustable total contact (distally)
- One day turn around
- HydroCoat finishes available

X-LIM™ VACUUM SOCKET TECHNOLOGY is a new generation of vacuum sockets made from high strength hybrid polymer and is designed to flex, bend, and move with the user. The dynamics of the socket movement while the user is ambulating makes the X-LIM™ one of the most comfortable sockets available. X-LIM™ is stronger, lighter, and more airtight than any other prosthetic socket material. The X-LIM™ system insures total contact at the distal end of the socket by means of a soft silicone distal socket bottom and allows the prosthetist to adjust the chamber depth of the socket

Compared to traditional rigid carbon sockets the X-LIM™ socket actually absorbs impacts, reduces shear forces, and decreases stress to the residual limb.

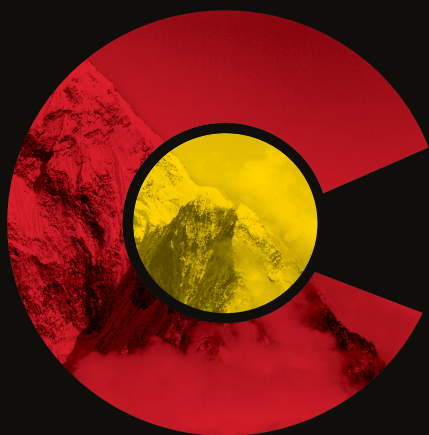
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OR
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X-LIM[™]
VACUUM SOCKET

