



## Series **Gen 1 Blower**

AKA Gen 1 on demand

Version V1

Feature Blower, rocker

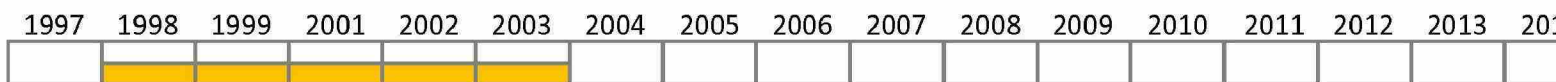
2 port, 4 port

Hardware round remote

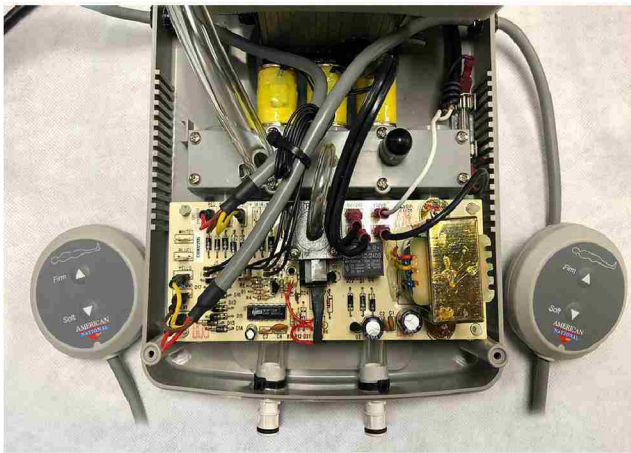
No shutoff sw

Software On Demand

Sales Jan 1998 – Dec



- The entire control unit was supplied to us by 9<sup>th</sup> Wave in Connecticut.
- The blower controllers were produced and sold in a two port version (one hose per side of a dual chamber mattress) and a 4 port version (two hoses per side in a dual chamber mattress allowed for separate mid body adjustment and shared head/foot adjustment on each side of the mattress).
- This controller utilized a motor inside the housing attached to a fan which directed air in to an open area and when the solenoid was energized it opened and allowed air to pass through the port.
- This was an on demand controller that had no memory settings or pressure sensors.
- This controller could not over pressurize the chambers because it could not generate pressure in excess of 1 psi.
- The hard wired remotes utilized a rocker switch to inflate and deflate the chambers. There was one rocker switch per remote for the two hose version and two rocker switches per remote for the four hose version.



## Series Gen 1 Pump

AKA Gen 1 on demand

Version V1

Feature Compressor

Hardware round remote

Shutoff switch

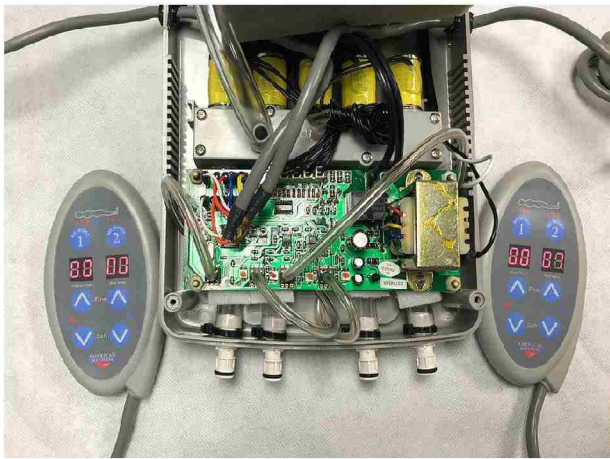
Software On Demand /

Sales Apr 2001 – Dec

1997	1998	1999	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014

- 50 lpm compressor.
- The PCB was from Arco as well as the manifold and the solenoids were from Hope.
- This manifold was a **pre-existing** manifold from Apollo and we had to plug one port as you can see from the picture and then we had to add a piece of tubing to go from the top of the manifold to the pressure switch.
- These were direct drive controllers meaning when a button was pressed and held down the pump would turn on and add air the entire time the inflate button was held down until it reached 1 psi and then the mechanical pressure switch would cut off the power to the compressor. This was a pressure switch not a pressure transducer.
- We purchased these outer housings from 9<sup>th</sup> Wave and drilled all the holes in them and then did all the assembly in Corona, CA. This same housing was used on a medical pump that was produced by 9<sup>th</sup> Wave.
- The Gen 1 on demand pump controllers were produced and sold in a two port version (one hose per side of a dual chamber mattress) and a 4 port version (two hoses per side in a dual chamber mattress allowed for separate mid body adjustment and shared head/foot adjustment on each side of the mattress).
- This was an on demand controller that had no memory settings or pressure sensors.
- The hard wired remotes utilized a membrane switch to inflate and deflate the chambers. There was two membrane switches per remote for the two hose version and four membrane switches per remote for the four hose version.





## Series Gen 2 Pump

AKA Gen 1 digital

Intelligent Air

Version **V1** (original)

Feature Compressor

Hardware Round or elliptical buttons, Arco, transducers

Software Arco

Sales Dec 2003 – \*e

System does not go on our 2004 pricelis

1997	1998	1999	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014

- Hardwired remotes and power cord. Available with no memory that had a membrane switch or a memory remote that had a numeric pressure setting.
- The PCBA was from Arco as well as the Manifold.
- This manifold was a pre-existing manifold and we had to plug a few ports as you can see from the picture and then we had to add a piece of tubing with a branch Y that sits under the PCB between the manifold and the front of the housing to allow the pressure sensor line to connect to the transducer.
- We purchased these outer housings in the USA and drilled all holes in them and then did all the assembly in Corona, CA. This same housing was used on a medical pump that was produced by 9<sup>th</sup> Wave (Ed Gilchrest).
- These controllers had a real time pressure display and we

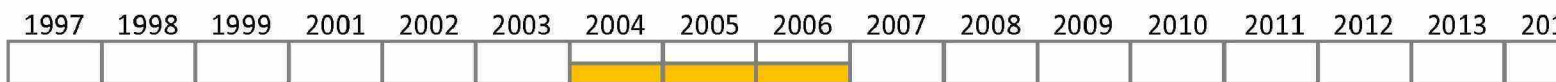
- These were direct drive controllers n pressed and held down the pump would time the inflate button was held down. the number on the remote would jump released the inflate button a real time displayed. As the pressure starts to incr continued to hold the inflate button dov off intermittently because it would thin turn off the compressor so it could take would realize it was not full and allow th again and this would continue to occur maximum setting of 40 mmHg.
- The controller also had two memory set when you saved your favorite setting setting you could simply press the m automatically go to that new “target s way to the target setting it would periodically so it could take a pressu release air a little at a time in order to



AKA Gen 1 digital  
Intelligent Air

## Feature Compressor

Software Arco  
Sales 2004 – 2006



- These were direct drive controllers compressed and held down the pump would time the inflate button was held down. the number on the remote would jump released the inflate button a real time displayed. As the pressure starts to increase continued to hold the inflate button down off intermittently because it would think turn off the compressor so it could take would realize it was not full and allow the again and this would continue to occur maximum setting of 40 mmHg.
- The controller also had two memory settings when you saved your favorite setting setting you could simply press the memory automatically go to that new "target setting to the target setting it would then again it could take a pressure reading and then a time in order to move towards the target

# Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

## Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

## Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

## Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

## API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

## LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

## FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

## E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.