



**Water Well Solutions**

Water Well Solutions proudly represents "AirBurst® Technology" as an innovative water well rehabilitation technology. AirBurst® is a proven, comprehensive rehabilitation and development process for all types of water wells.

Water Well Solutions continues to be a leader in the well rehabilitation field. As an original AirBurst® licensee, we assisted in the initial development of the process, and continue to pursue innovative ways to enhance the technology. Our cutting edge approach has provided our clients with hundreds of successful applications (references available upon request).

Water Well Solutions is the authorized dealer for AirBurst® throughout the Midwest.

Water Well Solutions Illinois Division, LLC.  
44W158 Keslinger Rd.  
Elburn, IL 60119

Water Well Solutions Service Group, Inc.  
N87 W36051 Mapleton St.  
Oconomowoc, WI 53066

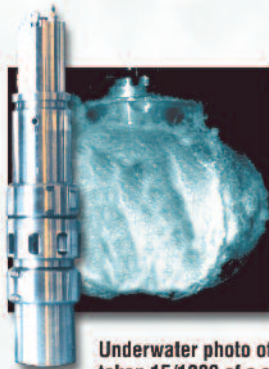
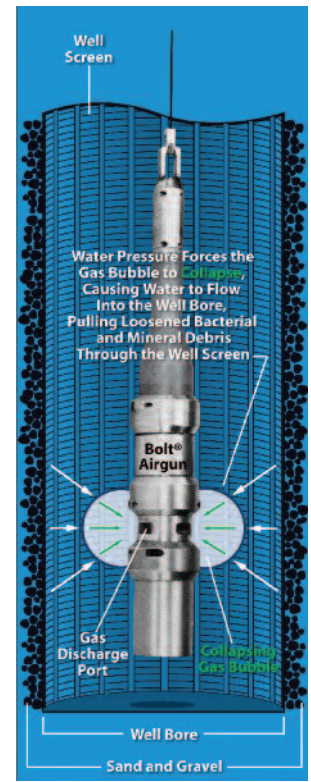
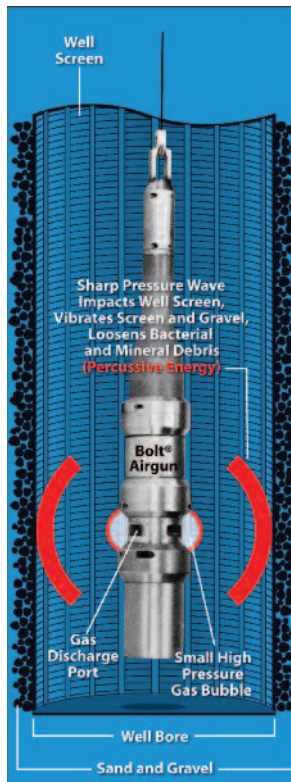
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# AIRBURST®

## Technology

**WW** Your Exclusive and Only Licensed AIRBURST® Provider in Wisconsin and Northern Illinois!

The Powerful Rehabilitation and Development Process for all Water Well Types.



**NO CHEMICALS  
NO EXPLOSIVES  
ENVIRONMENTALLY  
FRIENDLY**

Underwater photo of Bolt Air Gun taken 15/1000 of a second after firing

**Compressed air** or **inert gas** are the sources of AIRBURST® energy, providing an effective and responsible **green** alternative to other methods.



**Water Well Solutions**

# MORE BANG FOR YOUR BUCK!



AirBurst is an All-American based technology and a one of a kind patented process that uses high pressure air or inert gas to stimulate selected zones within the formation by generating high-energy pressure pulses in the well. This energy generates acoustic waves that break up and remove mineral scales, silts, sedimentation and bio-films from the bore hole wall or well screen. With the energy being released at 15/1000 of a second after firing, it generates an air bubble that expands and collapses inside the well. This provides a intense surging action that generates a mechanical cleaning of the well as the bubble expands and collapses. As the bubble collapses, it creates a negative pressure zone in the well that draws mineral and biological debris dislodged from the formation during the process for easy removal with a bailer.

## AIRBURST® Advantages

A single AirBurst® air gun has numerous interchangeable firing chambers to assure you of a tailored fit in any well of any construction. We have 6 various sized air guns and 22 chambers of various capacities available.

ONLY AirBurst® electronically and precisely controls the air gun energy discharge to allow dislodged debris to settle before the next burst occurs. Electronic firing puts the energy control in the hands of our technician. Only AirBurst® can deliver the exact number of bursts per foot, at a controlled interval, at the desired pressure and at the exact location within the well.

AirBurst® gun ports are also designed to provide maximum energy release by maximizing port area and internal throat size. The energy range we have available is 2 grains of TNT to 910 grains (2 pounds of TNT). We have the right tools for the smallest and most fragile well to the biggest tools available to develop rock wall wells. Precise pressure regulation allows the AirBurst® process to develop sustainable, controlled and exactly repeatable energy discharges. A constant energy level is maintained as the air gun is raised in the well and the hydrostatic pressure decreases. There is no guess work with AirBurst®.

## No One Compares to the Power of AirBurst®:

AirBurst® Model	5500LL	600A	2800LL	1900B&LL	1500C
Chamber sizes (cu. in.)	1 – 40	5 – 40	20 – 120	20 – 200	500
Max Working Pressure (psi)	2,500	2,500	2,500	3,000	3,000
Pulse Frequency and Pressure	Operator Controlled	Operator Controlled	Operator Controlled	Operator Controlled	Operator Controlled
Max. Pulse Energy @ 3000psi.)	27 grams TNT	27 grams TNT	68 grams TNT	109 grams TNT	910 grams TNT

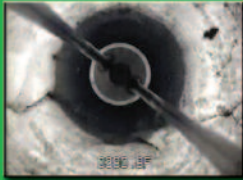

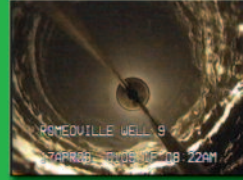
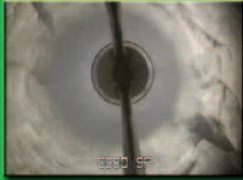

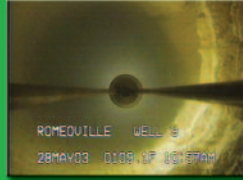
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**Water Well Solutions**

	Sandstone Well	Screened Well	Limestone Well
<b>BEFORE</b>	 Specific Capacity 0.8	 Specific Capacity 92.2	 Specific Capacity 1.2
<b>AFTER</b>	 Specific Capacity 2.7	 Specific Capacity 130	 Specific Capacity 44.93