



MICROSILK®

MicroSilk® Hydrotherapy for Spas by Balboa Water Group



PORTABLE SPAS - HOT TUBS

The *BEAUTY* of MicroSilk®



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MicroSilk®

Testimonials



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Introducing the BEAUTY of a
revolutionary new form of hydrotherapy
by Balboa Water Group.



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The Unique BEAUTY Advantages

- Light, effervescent sensation
- Rich in dissolved oxygen
- Heightened levels of anions and aromatherapy
- Sauna effect to refresh the body
- Detoxification and Moisturization
- Peaceful and relaxing spa experience

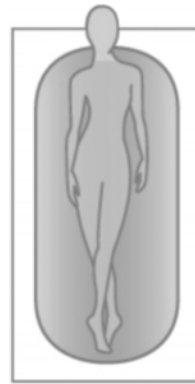


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MicroSilk®

The Only Hydrotherapy Choice

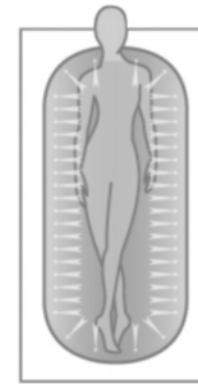
- An introduction to billions of micro-sized bubbles into the spa, forming a gentle cloud suspended in the water.
- MicroSilk® is a combination between Soaking and Air Jets
- MicroSilk® is the quietest form of active hydrotherapy



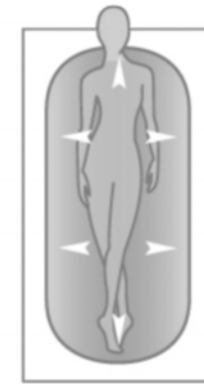
Soaking
No pump
Or jets on



MicroSilk®



Air Jets
Blower on



Whirlpool Jets
Pumps on



MicroSilk®

Physiology

Traditional Hydrotherapy Physiology

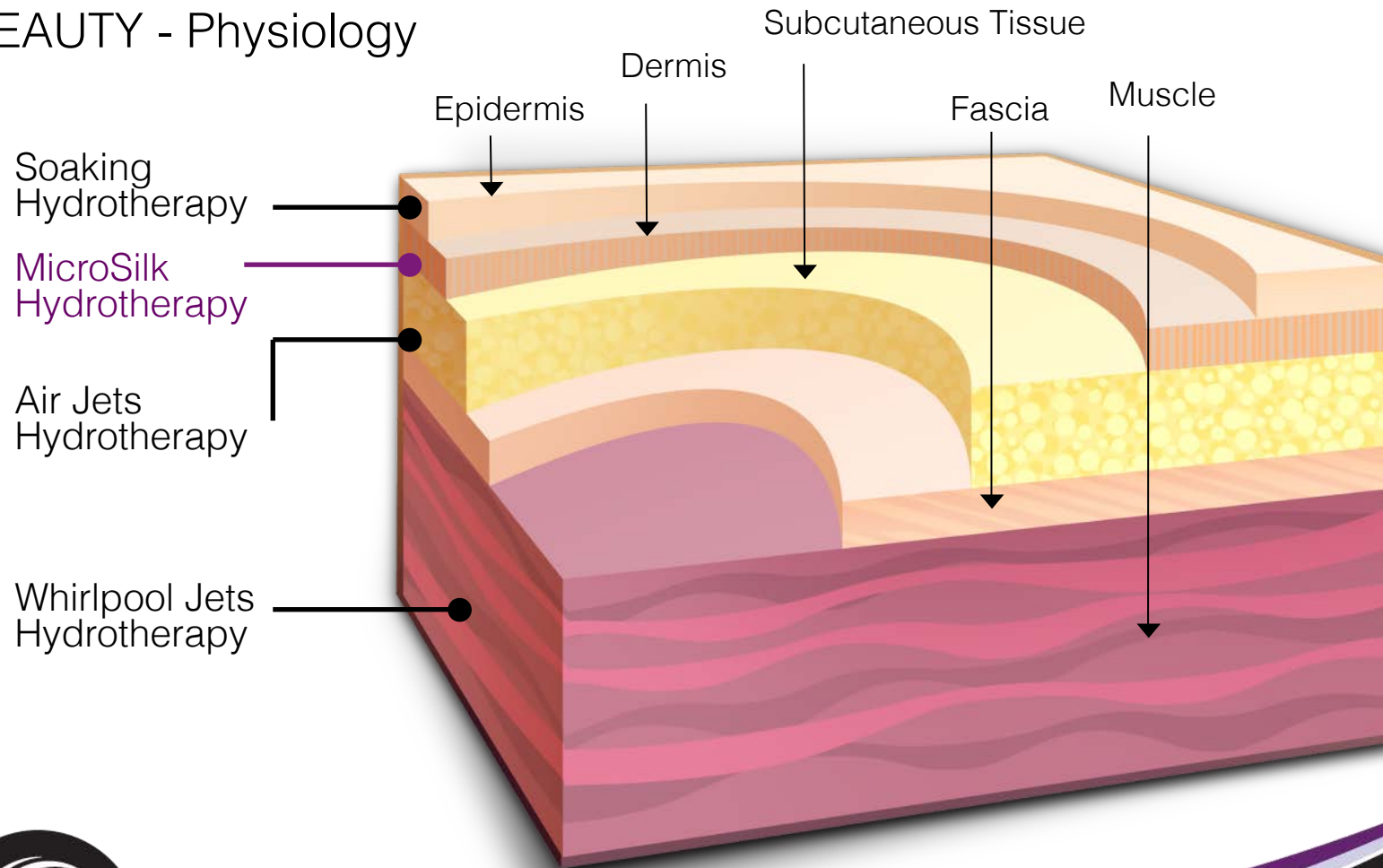
- Soaking
 - Stimulates contact and temperature receptors
- MicroSilk®
 - Gently engages light-touch receptors through effervescent sensation.
- Air Jets
 - Stimulates light touch receptors
- Whirlpool Jets
 - Stimulates pressure receptors



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BEAUTY - Physiology



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The BEAUTY Experience

- Light effervescent sensation
- Extremely gentle jet massage action
- Super oxygenated water that feels luxuriously silky
- Consistent warmth
- Peaceful and quiet



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MicroSilk®

What is a micro bubble – Some of the Science

- **A small gas (Air) bubble**
 - Approximately 50 microns (.002”) in diameter
 - A typical air bubble is 50 to 100 times larger
- **Remain suspended in the water for an extended period of time.**
 - (Stokes Law- The smaller the bubble the slower the rise)
- **Collapses in water**
 - (Due to hydrostatic pressure of the water)
- **Negatively charged attracting them to the skin pores and impurities**
 - (Van der Waals forces, attractive & repulsive forces between molecules)



- Cannot be produced successfully with conventional whirlpool or air bath equipment
- Capable of being produced in a dense cloud



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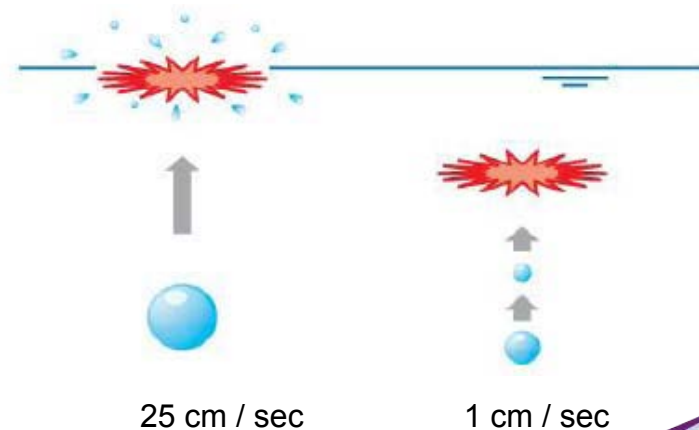
MicroSilk®

What is a micro bubble?

- A small gas (Air) bubble
 - Approximately 50 microns (.002") in diameter
 - A typical air bubble is 50 to 100 times larger

100 µm	As thick as hair
70µm	Size of a pore
50 µm	Micro Bubble
10µm	Size of a cell
1µm	Size of a bacillus, of a red blood cell
10 nm(0.01 µm)	Size of a bacillus
1 nm(0.001 µm)	Size of a protein molecule
0.1 nm	Size of an atom

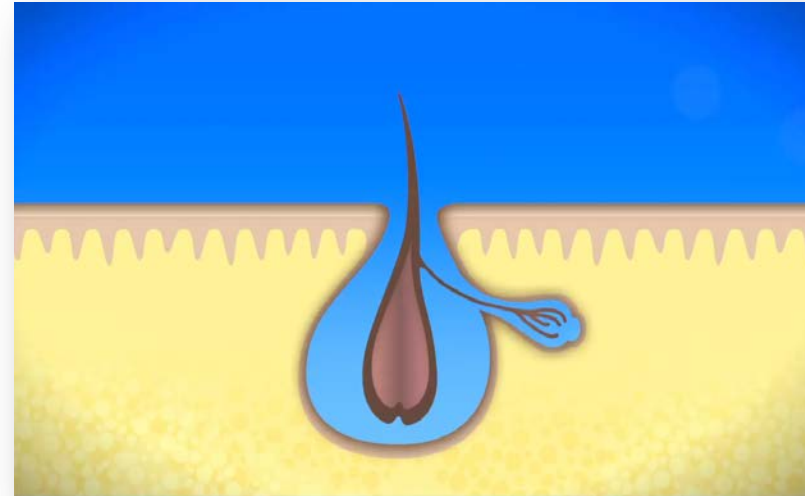
- Remain suspended in the water for an extended period of time.
- Collapses in water
 - (Due to hydrostatic pressure of the water)



MicroSilk®

The Beauty of Skin Therapy

- **Penetrating**
 - MicroSilk® bubbles are so small they enter the pore
- **Moisturizing**
 - They leave behind H₂O and O₂, plumping skin and leaving it soft and smooth
- **Rejuvenating**
 - They improve skin metabolism
- **Detoxifying**
 - MicroSilk® bubbles are negatively charged attracting them to the skin and allowing them to lift out impurities
 - The oxygen inside is a natural antibacterial substance



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MicroSilk®

Health & Wellness Benefits of High Levels of Oxygen

- **Anti Aging Effects**

- Improves collagen production
- Reduces fine lines, wrinkles, and dull looking skin

- **Repairs Skin Cells**

- Oxygen is known to promote natural healing and reduction of scar tissue
- “Wet” oxygen is more easily absorbed by the skin

- **Natures Antibacterial Element**

- Oxygen keeps skin healthy by eliminating bacteria on contact



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MicroSilk®

The Beauty of Detoxification & Moisturization

- **Detoxification**

- Microbubbles enter pores lifting out impurities.
- Also deep cleans hair follicle and sebaceous glands
- Initiates natural cardiovascular exercise.

- **Moisturization**

- Oxygen and water left behind in pores cause the skin to “plump”, leaving it soft and supple
- Opens pores, allowing skin to hydrate and soften.



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Health and Wellness Benefits of Enhanced levels of Anions & Aromatherapy



- **Anions** are negatively charged ions. In nature they are found at the beach, near waterfalls and after thunderstorms.
- **What are the benefits?**
 - Help to naturally improve serotonin levels, which help to elevate mood and help in pain relief
 - Neutralize free radicals, enhances immune function
 - Relax the mind and body, promoting deep sleep
- **Aromatherapy** Is the practice of using aromatic substances to enhance psychological and physical well-being.
- **What are the benefits?**
 - Help to stimulate brain function.
 - Mood enhancement
 - Pain relief
 - Promote a sense of relaxation

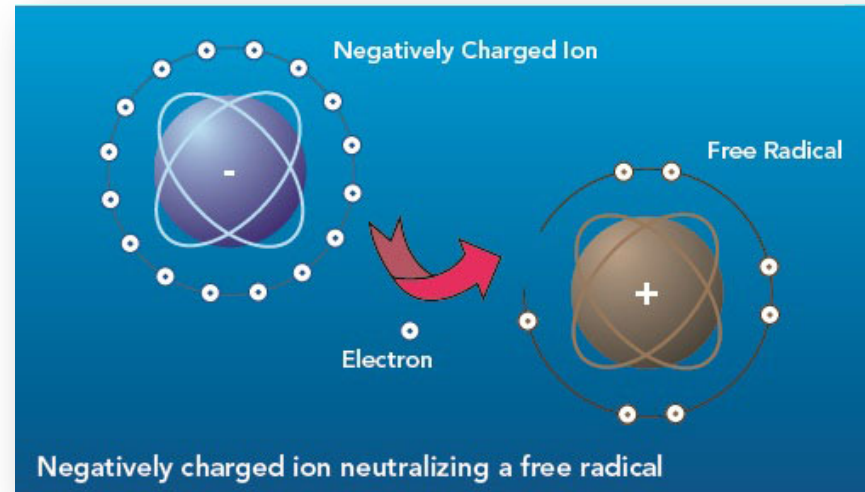


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Health and Wellness Benefits: Enhanced levels of Anions

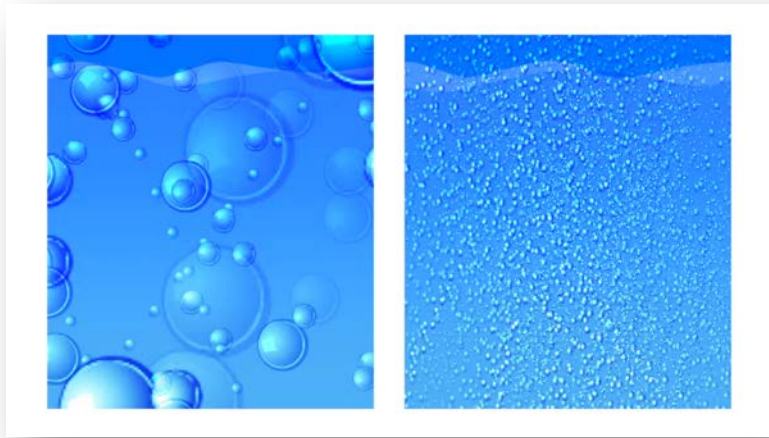
- **Anions** - The negative ions produced by a MicroSilk® hydrotherapy spa help neutralize free radicals.
- **What are Free Radicals?** - Positive ions that steal electrons from healthy cells in the body in order to neutralize their own charge
- **Effects of Free Radicals?** – Have been known to cause cellular damage. Part of the degenerative aging process which causes premature aging



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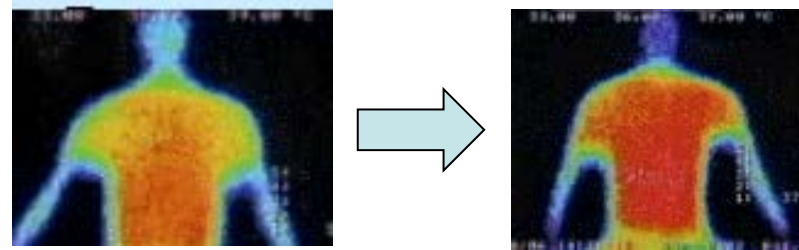
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Health and Wellness Benefits of
Continual & Consistent Warmth



Typical Air Bubbles

MicroSilk®



- Microbubbles stay suspended in the water
- Helps in Detoxification

- Helps maintain spa temperature
- Causes improved “sauna effect”



MicroSilk®

It's green!

- A Greener Environment

- The energy released as the microbubbles implode, helps to maintain the temperature of the water, allowing you to conserve energy
- MicroSilk® reduces the need for sanitizers, thus reducing the amount of chemicals to maintain your spa



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MicroSilk®

Unique BEAUTY Advantages

- New gentle sensation
- High levels of dissolved oxygen
- Enhanced levels of anions and aromatherapy
- Increased sauna effect
- Improved detoxification and moisturization
- Quieter and more relaxing spa experience



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MicroSilk®

The BEAUTY of

A MicroSilk® Spa is an ideal method of providing the bather with wet oxygen, anions, aromatherapy, and heat through the technology of micro bubbles.

- Aerosol provides anions & aromatherapy to the lungs
- Micro bubble cloud warms, relaxes, and opens the skin's pores
- Micro bubbles detoxify the body
- Soaker is exposed to all of the benefits possible from MicroSilk®



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The *BEAUTY* of MICROSILK®

MicroSilk® Hydrotherapy for Spas
by Balboa Water Group

<http://younglooking.me>



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