



Sole Representative  
Middle East & Africa

健 health  
care  
Nursing Home  
Dialysis / Cardiology



**GOOD DESIGN  
AWARD 2015**



professional  
高濃度炭酸泉

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DB-TP101 / DB-TP201

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# B-da ver. 2

High Concentration  
Water Carbonator

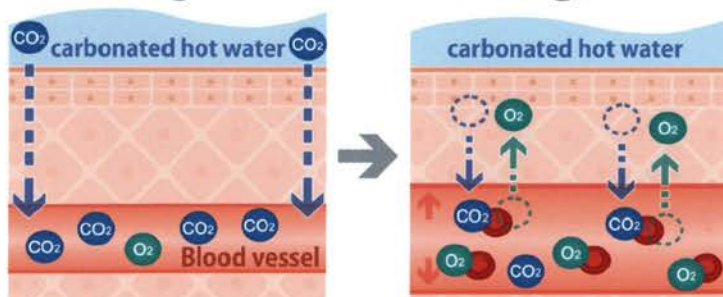




## Discover the health benefits of carbonated hot water bathing with the convenient B-da.

Carbonated hot water bathing has been proven to create an angiectatic effect promoting blood circulation. One major benefit of carbonated hot water bathing for the medical and nursing fields being an angiectatic effect promoting blood circulation.

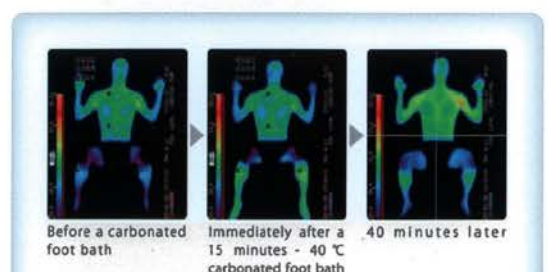
### An angiectatic effect caused by carbonated hot water (bathing and/or showering)



CO<sub>2</sub> penetrates blood vessels decreasing oxygen density.

The blood vessels dilate in order to increase oxygen levels/supply.

- ① When taking a carbonated hot water shower or bath, CO<sub>2</sub> is absorbed into the skin.
- ② Due to the increased density of CO<sub>2</sub> in the blood stream, the lumen of the blood vessels widen.
- ③ This causes the Bohr effect, an exchange between oxygen and CO<sub>2</sub> in tissue and organs (internal respiration). Oxygen is transferred to cells by hemoglobin.



#### Effects on the body

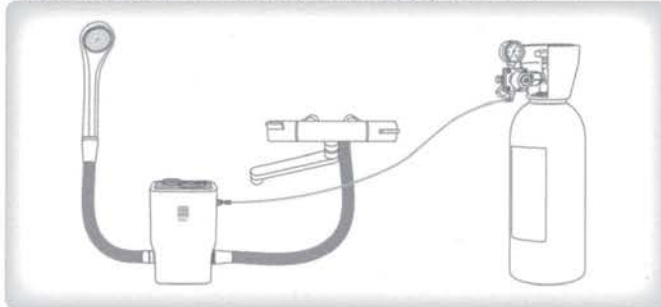
Doctors in some dialysis medical institutions are also attracted by the dilating effect of the absorption of carbon dioxide into the blood stream. Needless to say, many patients who are suffering high blood pressure and who suffer from bad circulation are enjoying the benefits therapeutic bathing. Moreover, the pulmonologists are remarking at the influence on cell metabolism which is caused by the Bohr effect.



Photo at : Medical corporation, Kaiko-kai Jyousai Hospital  
Mieoyakoko Silver House Matsusaka  
Mr. K's residence

## Easy installation

Easily introduce B-da to your existing bathroom environment, simple installation with no power supply needed.



**4** step

- 01** First, connect the shower hose and water supply to the main body.
- 02** Then, connect the CO2 cylinder to the main body.
- 03** Next, attach the main body to the wall in a safe, appropriate position.
- 04** Finally, open the gas cylinder.

## Flexible applications

### Switch between carbonated and regular water.

One turn of a knob allows you to choose carbonated or regular water.

### CO2 gas density control function

※Only for the B-da High spec. model

Adjustable CO2 gas density.

### Supporting feature for low water pressure

B-da can combine water and CO2 gas even with a low pressure water supply.

### Automatic ON/OFF feature

Easy and safe! By turning off the water supply at the faucet, the gas supply is automatically stopped.

## INTERVIEW



Medical corporation,  
Kaiko-kai group  
The chairman of the  
Board of Directors

Hirohisa Kawahara

For more than ten years, we have been using artificial carbonated spring water for treating necrosis of the hands and feet by arteriosclerosis. We are obtaining good results from the treatment of patients that suffer from myocardial pathy caused by arteriosclerosis and also heart failure, such as the elderly and diabetics. We also recognize the supporting effect the artificial carbonated spring water has on skin lesions like atopic dermatitis, insulin resistant diabetes, and cancer immunotherapy. We are discovering new benefits for other conditions as well. The carbonated hot water promotes blood flow to three times more than regular hot water. Furthermore, it keeps the blood oxygen concentration high for several hours. Those are the reasons why it is considered as an effective treatment in the rehabilitation and prevention of cerebral infarction and myocardial infarction. To maximize the benefits the patient should use this daily or even twice a day. The artificial carbonated spring water is an excellent treatment which is relatively inexpensive with no side effect. It will prove to be a valuable tool/treatment for medical professionals in the future.

## Options

### ○ Footbath Tub

Open price



- Size (mm)  
W360×H330×D290  
(W14.17in.×H12.99in.×D11.42in.)
- Body weight  
1.6kg (3.53lb.)  
(Dry weight)
- Capacity  
Approximately 15L (3.97gal.)  
(Full capacity)  
8 to 9L (2.1 to 2.4gal.)  
is appropriate for usage

Please use the footbath tub with an instant carbonate tablet for a quick and easy option when full body bathing or showering is inconvenient.

### ○ Instant Carbonate Tablet (30tab. In a box)

Open price



- "High Carbonic" (Tansan)  
Generating a high CO<sub>2</sub> gas concentration/  
Fragrance-free



- "Moisturizing" (Uruoi)  
Generating a high CO<sub>2</sub> gas concentration/  
Moisturizing component/  
Rose Fragrance



- "Relaxing" (Hokkori)  
Generating a high CO<sub>2</sub> gas concentration/  
Moisture retaining component/  
"YUZU" Fragrance  
(Japanese citrus fruit)

### ○ Other options

Open price



- Shower head
  - Water saving
  - Lightweight
  - Compact

- Shower hose  
(1m) (3.28ft.)

- Shower adapter  
Faucet adapter

## Specification



B-da 2-H  
High spec. model  
Open price



B-da 2-S  
Standard model  
Open price

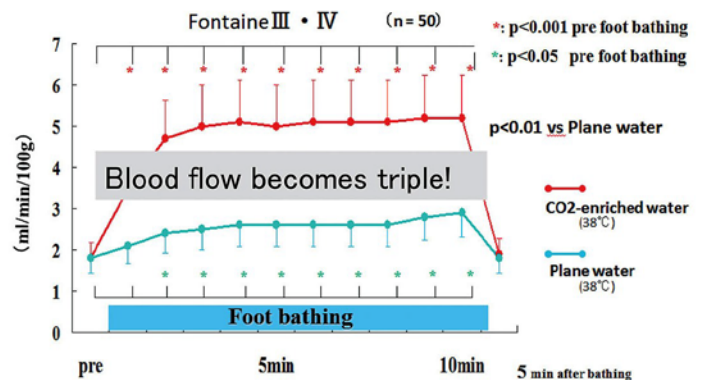
Model	DB-TP101	DB-TP201
Product name	B-da 2-H High spec. model	B-da 2-S Standard model
Outer size	W118×H185×D87(mm) (W4.65in.×H7.28in.×D3.43in.)	
Body weight	1.3kg (2.87lb.)	1.0kg (2.20lb.)
Hose length	2m (6.56ft.)	
Body material	ABS resin	
Available water temperature	Below 45°C (113F)	
Acceptable water pressure limits	5L/min. ~ 20L/min.(MAX.) (1.32gal/min. ~ 5.28gal/min.) For water pressure of 20L/min. or higher you may need to an appliance to reduce the pressure in order for B-da to work effectively. Please confirm the dealer where you purchase.	

### ■ Indication of use of the 5kg (11.02lb.) CO<sub>2</sub> cylinder

- It lasts for approximately 90 days when it is used for 5min. everyday.
- It supplies approximately 400 to 430 footbath tubs.
- It is available to use for approximately 60 days when showering for 5 min. with CO<sub>2</sub> gas 6 days out of 7, and bathing in 200L (52.91gal.) of carbonated bath water once a week.

※For High Spec. model users,  
Please take notice that changing the CO<sub>2</sub> density will effect the above figures.

### The blood flow volume during bathing



Data: Kaiko-kai Kyoritu Hospital

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Healthcare division

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