

Operating Manual

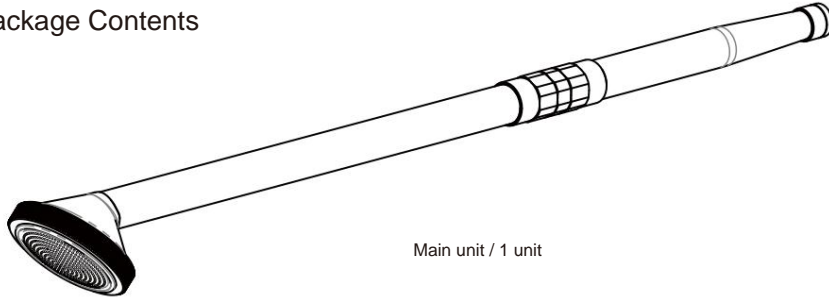
**MARUYAMA**

Shower Nozzle

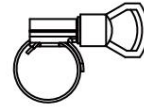
UWN-140 MUFB Generating Unit

Please read the instruction manual before use and use it correctly. This product can be attached to a power sprayer or water faucet to generate MUFB (Maruyama Ultra Fine Bubbles) and spray water in a soft shower. MUFB are bubbles less than 1 μm (0.001 mm).

Package Contents



Main unit / 1 unit



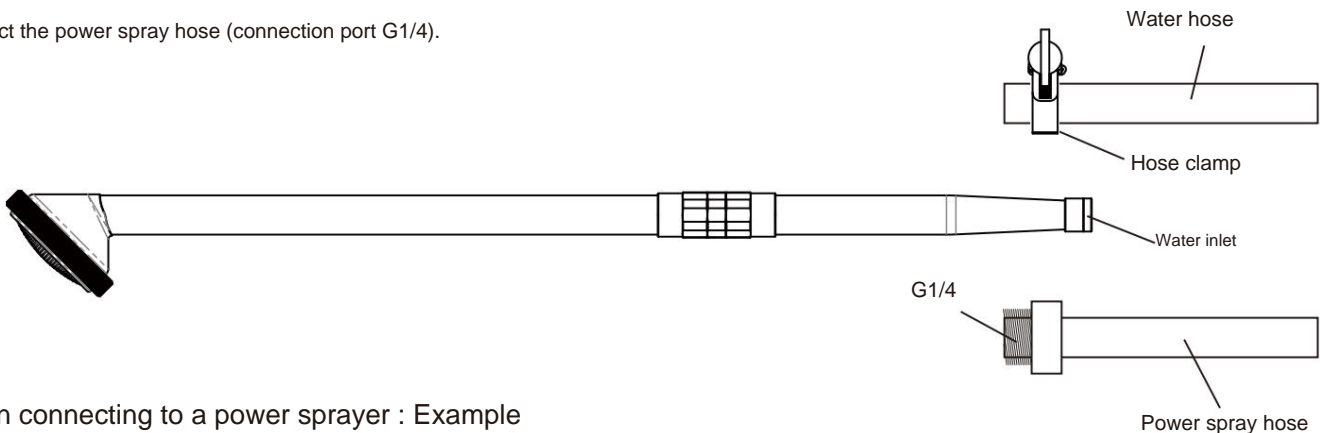
Hose band / 1 piece Card / 1 piece

Installation and usage instructions

When connecting this product to a power spray hose or a water hose, connect as shown in the diagram below.

Pass the water hose (inner diameter 15 mm) through the hose band, insert the hose into the water inlet on the main unit, and secure the hose with the hose band.

Connect the power spray hose (connection port G1/4).



When connecting to a power sprayer : Example of pressure setting for our power sprayer

Pressure adjustment handle: RUN (Pressure adjustment handle tilted)

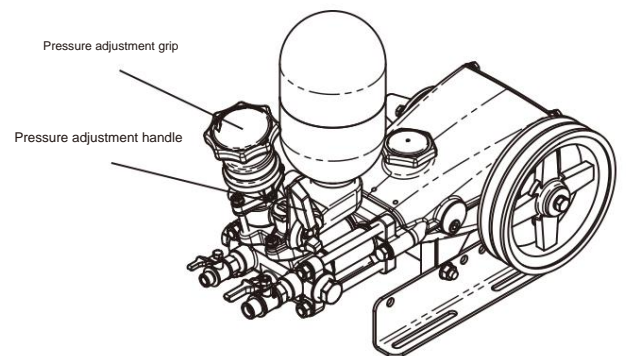
Pressure adjustment limit: Display 0 (Start position)

Power spray hose: 1.5m

* If you are using our power sprayer, set the pressure according to the setting example above.

This product has a larger discharge volume than the pest control nozzle,

The actual pressure and the pressure displayed on the pressure adjustment knob do not match.



DANGER

The pressure resistance of this product is 0.5 MPa. When connecting to a power sprayer, set the pressure to 0.5 MPa or less.

If used at a pressure exceeding 0.5 MPa, the mesh at the tip may break, which may result in injury.

If the mesh at the tip becomes clogged with dirt or other debris, the discharge volume will decrease and the pressure inside the product may increase. If so, remove it before use.



NOTICE

This product is a shower nozzle for watering plants such as seedlings and gardening plants, and for generating MUFB (Maruyama Ultra Fine Bubbles). Do not use for any other purposes.

Do not modify or disassemble this product for any purpose other than maintenance. MUFB does not occur below the specified water pressure range.

The discharge volume varies depending on the water pressure.

MUFB may not occur under conditions where the concentration of dissolved gas in water is low.

If the water you use contains foreign matter or debris, it may clog and cause damage. • Using water that contains corrosive gases or liquids may cause rust.

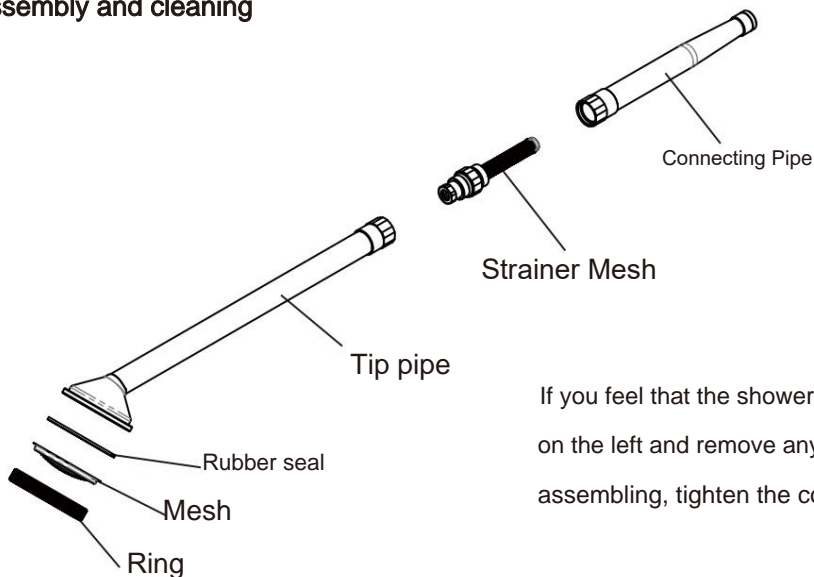
Do not use any liquids other than clean water (oil, viscous liquids, etc.). Use clean water at room temperature (below 40°C).

If you leave this product in the hot sun, the main body will become hot. In that case, run water through it before using it.

After using this product, remove it from the hose and drain the water.

Do not use in an environment where there is a risk of freezing.

Disassembly and cleaning



If you feel that the shower is not discharging properly, please refer to the diagram on the left and remove any blockages in the strainer mat or mesh. *When assembling, tighten the connections firmly to prevent water leakage.

Main thread

MUFB generation conditions.

Water pressure 0.1MPa or more.

Gases such as oxygen and carbon dioxide must be dissolved in the water.

Product usage limits.

Water pressure 0.5MPa or less.

Usable temperature: 40°C or less (room temperature).

Usable temperature: 0°C to 40°C .

*Do not allow the water inside to freeze.

Product specifications

Overall length: 525mm.

Weight: 250g Flow rate: 14.0L/min at 0.3MPa.

Connection diameter: G1/4 (female thread on water inlet side).



The Fine Bubble Industry Association (FBIA) certified product

"Ultra Fine Bubble Generator (representative product 662262)"

This product is certified in accordance with the standards of the FBIA product certification system.

"Fine Bubbles," "Ultra Fine Bubbles," "FINE BUBBLE," and the FBIA logo are registered trademarks of the Fine Bubble Industry Association (FBIA). Fine bubble technology is an advanced technology that FBIA is promoting.



For more information on the performance and effects of Ultra Fine Bubbles, scan the code.

*This product is equipped with an FBIA certified ultra-fine bubble generator.

Warranty period

This product is guaranteed for one year from the date of purchase. Please keep the receipt or invoice from the time of purchase to calculate the warranty period.

The warranty does not cover any malfunctions that are not the responsibility of our company, such as use for purposes other than those intended or modifications.

For inquiries about this product, please contact the store where you purchased it. You can also call the nationwide toll-free number listed below or visit the Maruyama Manufacturing website.

Maruyama Support Center

Toll-free number: 0120-898-114

Maruyama Support Center homepage :

<http://www.maruyama.co.jp/support/>

Business hours: 9:00 - 17:00 (excluding Saturdays, Sundays, and holidays)



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