

MNB-400 Pressure chamber plus S.BT-50 Micro-Nano Bubble Nozzle

Extremely high density Micro-Nano Bubble device for various applications
Including Micro-Bubble bathing, various gas dissolution and DAF.



Pump Pressure: 0.25-0.35 Mpa (36-49 psi)

Water flow rate: 10.2-11.8 l/m (2.69-3.12 GPM)

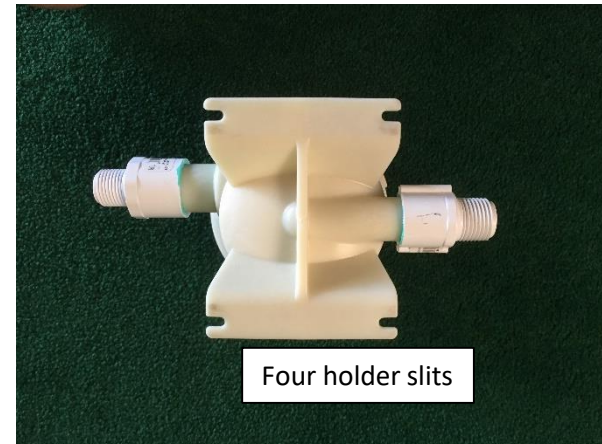
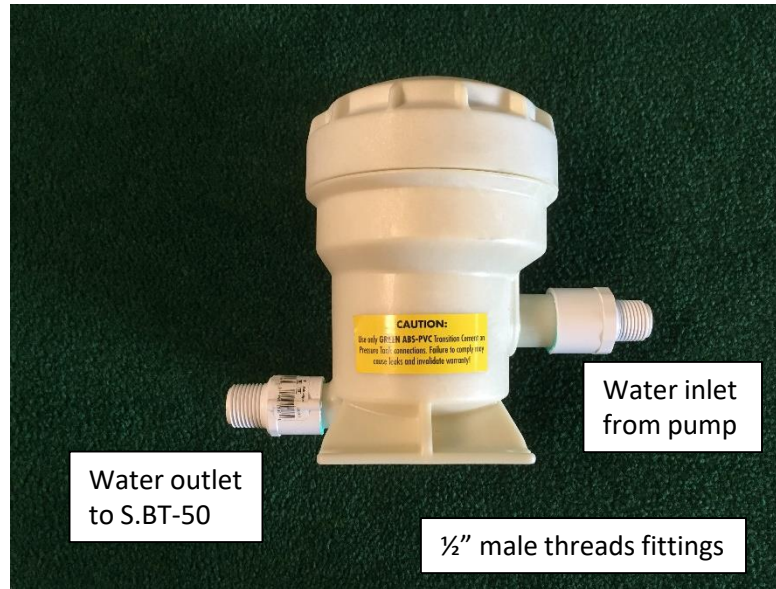
Need to have air inlet at pump's water inlet side for continuous operation.
The air flow must be controlled to approx. 0.35-0.45 l/m (0.032-0.119 GPM)

MNB400ABS pressure chamber

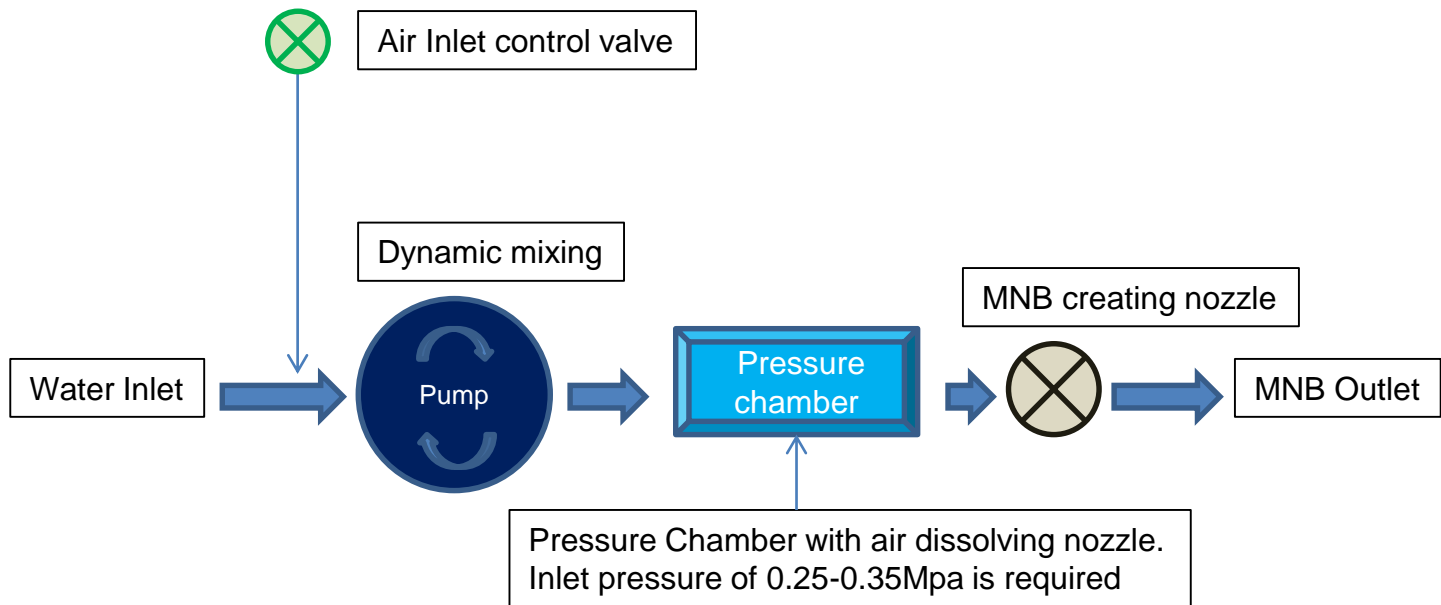
Retail Price: \$500 including S.BT-50 nozzle.
Please ask for quantity, distribution partner and OEM pricing.



MNB400ABS Pressure Vessel

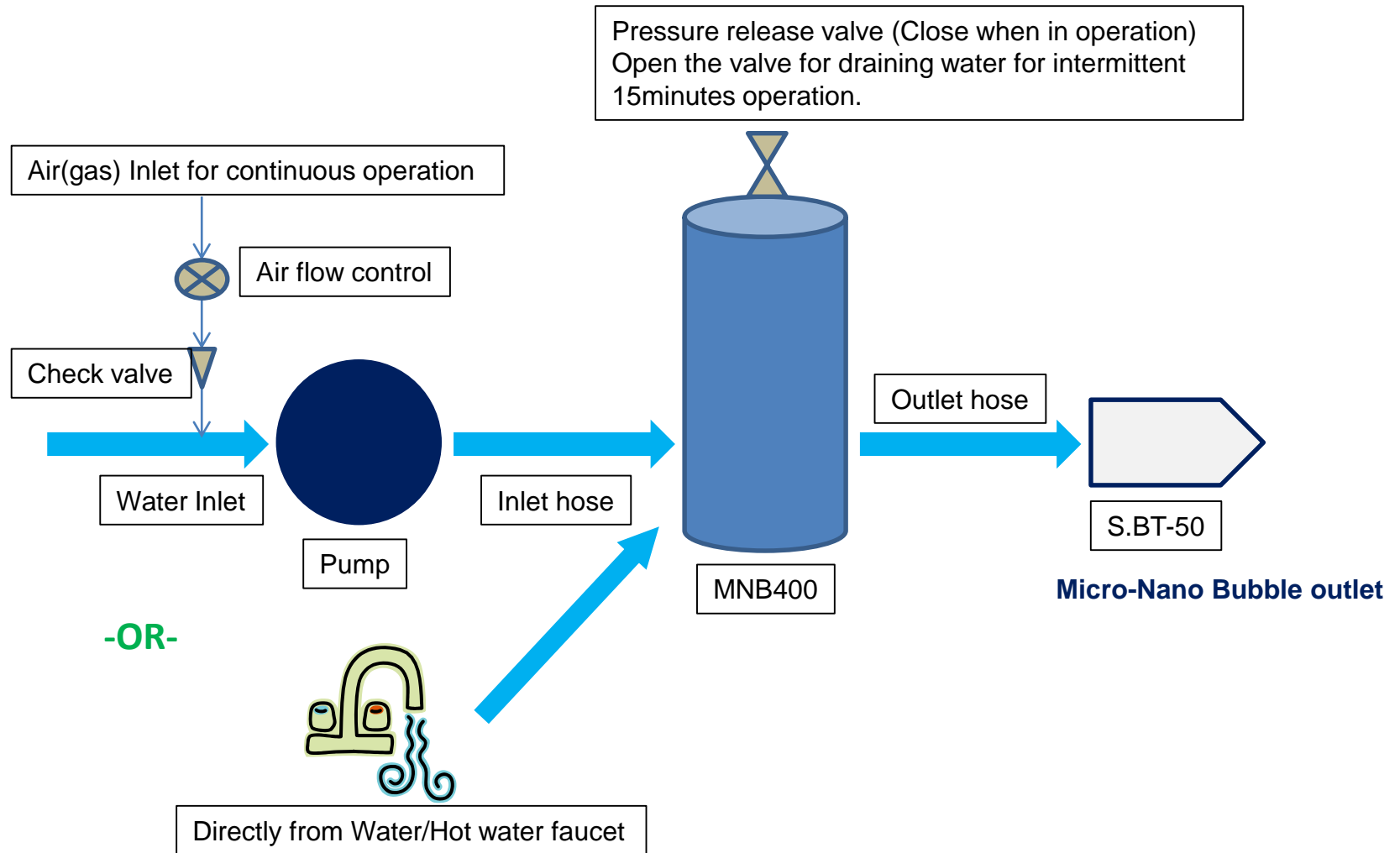


Principle of pressurized system MNB (Micro-Nano Bubbles) generation



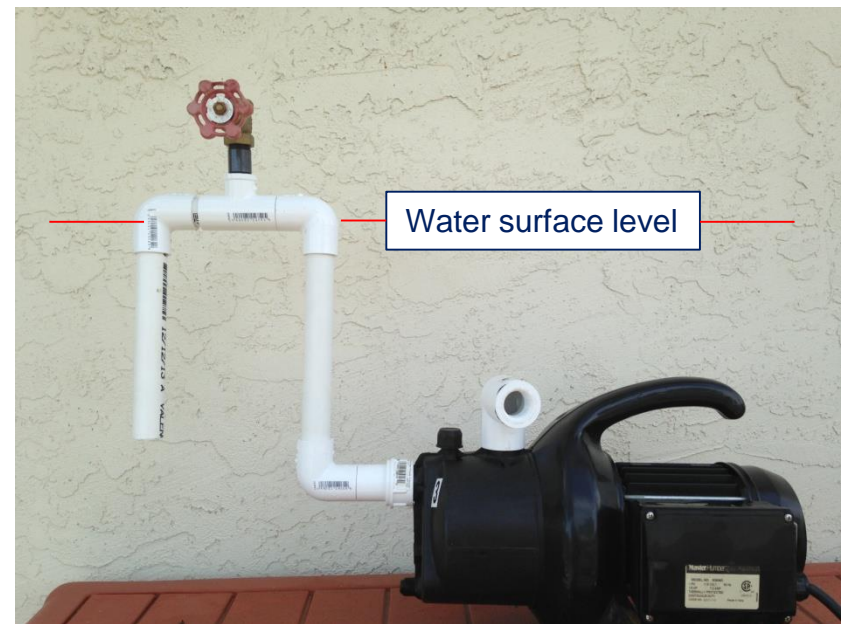
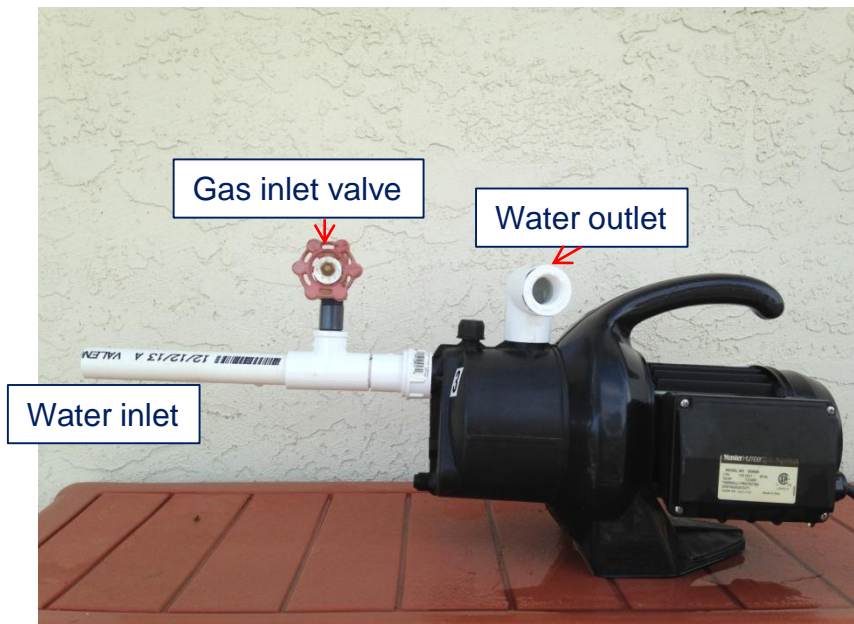
**Water and air is mixed in the pump and move to pressure chamber.
The process of dissolving gas happens in the chamber.
The water after the chamber have oversaturated air and MNB is created
by the nozzle when the water get released to atmosphere pressure.**

MNB400 + S.BT-50 Connecting Diagram



Gas Inlet Setup

Using the negative pressure occurs at inlet side of pump, you can aspirate gases very simply as shown below.



Note : When your water level is higher than the pump location, water static pressure can exceed the negative pressure resulting no suction. In that case, please set the gas inlet point higher than water surface like right picture.