

# Filtration System

Super Jet Filter

Lily Pipe

NA Carbon

Bio-Cube

Bio-Rio

*To create a living ecosystem within an aquarium. Technology based on the rules of Nature.*

Various types of power filters have been tried and tested, in the search for the most comfortable conditions for aquarium plants and fish. A power filter equipped with multiple functions maybe convenient for humans to operate, but is not always ideal for the microorganisms colonized in the filter canister or in the aquarium. In the trials and errors of the search for the filtration system based on the rules and wisdom of Nature, we came to believe in best filter for the long term maintenance of a planted aquarium, is the very basic style of the external filter. The ADA Super Filter and the new ADA line up of Filter Media for bacteria colonization, was designed in order to create and maintain a balanced ecosystem within the aquarium, ADA offers reliable CO<sub>2</sub>, Substrate, Lighting and Filtration systems, all linked in a perfect harmony.

## SUPER JET FILTER

105-101 / ES-600 (60-90cm) vol. 4 /

105-1011 / ES-1200 (90-120cm) vol. 8 /

105-1012 / ES-2400 (120-180cm) vol. 16 /

105-1013 / ES-600EX (60-90cm) vol. 8 /

105-1014 / ES-1200EX (90-120cm) vol. 13 /

105-1015 / ES-2400EX (120-180cm) vol. 28 /

105-1016 / ES-600EX2 (60-90cm) vol. 11 /

105-1017 / ES-1200EX2 (90-120cm) vol. 18 /

105-1018 / ES-2400EX2 (120-180cm) vol. 35 /

With this classical style of external filters, we employed a new system of water activation which Plocher Vertriebs established in Germany. The form of the filter canister is designed for effective circulation of water through the filter media which minimizes the burden on the motor and allows a long time use. A special device employing the Plocher Energy System, revives the activities of bacteria and microorganisms, and rejuvenates the aquarium water to a harmonized condition. The quality of the aquarium water and the overall conditions of the aquarium improves with the unique effects of Plocher Energy.

- By stimulating the dissolution of oxygen into the aquarium water, activities of bacteria and microorganisms is activated and their biological filtration ability is increased.
- Adopting the classical form of external filter with the motor mounted on the canister separately, to decrease the influence of the electromagnetic waves to the bacteria colonized on the filter media and to maximize the beneficial effects of Plocher Energy System.
- Quality materials and simple form for best durability on the German standard.





**LILY PIPE**

INTFLOW

- 102-402 / V-2
- 102-404 / V-4
- 102-406 / V-6

- 102-4011 / V-1 for Pool Type Aquarium
- 102-4041 / V-4 for Pool Type Aquarium
- 102-4061 / V-6 for Pool Type Aquarium

All glass inflow pipe designed not to disturb the appearance of the aquarium. Lily Pipe Inflow (for Pool aquariums), new types ideal for Pool type aquariums are currently added to the lineup.



**LILY PIPE**

OUTFLOW

- 102-412 / P-2
- 102-414 / P-4
- 102-416 / P-6

Moderate water circulation evenly within the aquarium is essential to maintain the water quality and prevent algae appearance. However excessively strong out flow of the power filter works negatively, hindering healthy growth of aquatic plants. Lily Pipe Outflow is hydrodynamically designed to create a moderate circulation of water within the aquarium ideal for the growth of aquatic plants. Sliding Lily Pipe Outflow above the waterline allows it to also serve as an aerator which eliminates oily surface film.



**CLEAR HOSE**

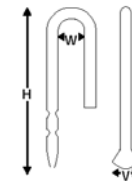
105-300

Transparent hose to connect filter to Lilly Pipe.

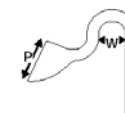
- Length 3m

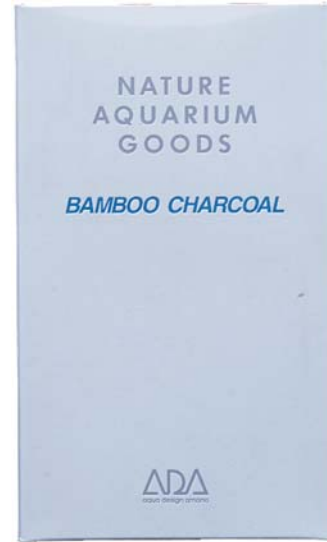
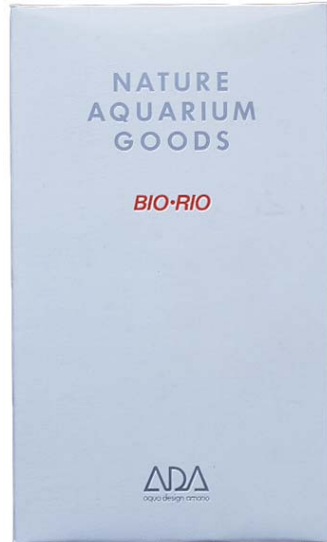
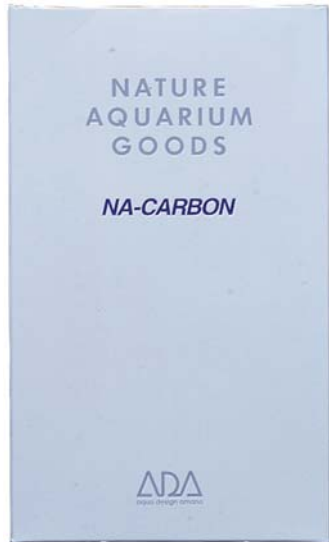
**Application table of Lily Pipe**

Inflow	Diameter	W(mm)	H(mm)	Size	example of applicable aquarium	flow amount
V-2	13	60	330	S	60×40×40	< 600 l
V-4	13	60	330	M	80×40×40, 100×40×40	600 l
V-6	17	60	330	L	120×50×50	> 800 l
V-1 (Pool)	13	35	240	S	60×40×40(Pool)	< 600 l
V-4 (Pool)	13	45	330	M	80×40×40, 100×40×40 (Pool)	600 l - 800 l
V-6 (Pool)	17	45	330	L	120×50×50(Pool)	> 800 l



Outflow	Diameter	W(mm)	Size	example of applicable aquarium	flow amount
P-2	13	45	S	60×40×40	< 600 l
P-4	13	50	M	80×40×40, 100×40×40	600 l - 800 l
P-6	13	50	L	120×50×50	> 800 l





**NA CARBON**  
105-014 / 750 ml



NA Carbon is quality activated carbon with a high absorption capability of excess waste which often obstruct a balanced condition in the aquarium. Their absorption capability is 5-20 times higher than conventional activated carbons. Special treatment enables minimum influence on the pH level of water to be applicable to any kind of aquariums.

**BIO RIO**  
105-001 / 1 /  
105-002 / 2 /



The nitrifying process of bacteria is the most important phase in Nature Aquarium filtration systems. In this process, toxic ammonia or nitrous acid are decomposed and become harmless. Bio Rio, composed of volcanic stones, provides the ideal home for a long term and stable colonization of bacteria and maintain the conditions of aquarium water.

**BAMBOO CHARCOAL**  
105-011 / 1 /



Specially refined charcoal to absorb unnecessary substances, excess nutrients and to improve the clarity of water. Its porous surface provides good water circulation thereby prevents clogging and provides home for bacteria colonization.

**PALM NET**  
105-012 / 1 foglio



Specially selected husk of hemp palm which is traditionally used in the filtration of drinking water. Cut into an appropriate size for your filter put in the cannister as a mesh net for pre-filtration or a separator of different filter materials.



**CLEAR FLOAT**  
105-022 / 50ml



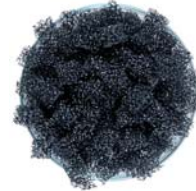
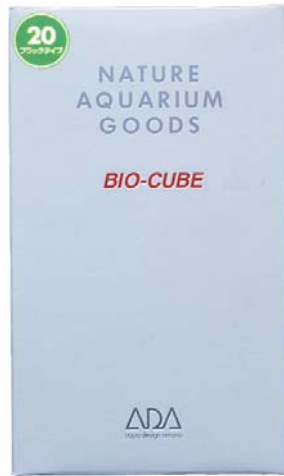
Quality carbon with a selected material. Clear Float absorbs oily surface film and suppresses the growth of harmful bacteria on the surface of the aquarium water. Also works effectively as a filter medium for hang-on filters



**BIO CUBE**  
105-015 / 20  
105-016 / 45



Bio Cube is a new lineup of ADA filter media. Reticulated polyurethane base provide home for quick bacteria colonization. Its shape of small cubes prevents filter clogging. Coarse type Bio Cube 20 (black) and fine type Bio Cube 45 (blue) are available to match filter size or the conditions of the aquarium.



- contact surface
- 45 (blue)-2,000 m2/m3
- 20 (black)-1,000 m2/m3

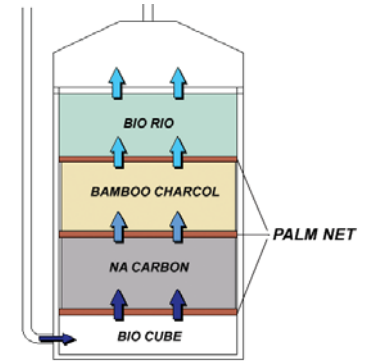


**TURMALINE F**  
105-023



Tourmaline is a mineral compound of iron, aluminium, sodium, boron, lithium and magnesium which are gradually dissolved into the water enriching it of important trace elements.

Tourmaline F is an electrostatic mineral that improves water quality that flows through the filter. Moreover it contrasts with the creation of free radical (active oxygen).



**SETTING EXAMPLE  
OF FILTER  
MEDIA NO.2**