



# POND EQUIPMENT

# **T.I.P.**

## **DEAR CUSTOMER,**

We are delighted to present you with our catalogue for pond equipment. This new issue also includes everything you need to know and useful tips regarding pond pumps, pond filters and pond accessories. With our comprehensive range and years of experience in developing high quality products, we enable you to find a product that meets your requirements exactly. A wide range of pump and watering technology, as well as machines and tools are available in our separate catalogues.

## **40 YEARS OF DEVELOPING AND PRODUCING THE BEST IN PUMPS**

Our company was founded in 1978 and specialised in developing, manufacturing and retailing water pumps. Quality was always the highest priority when selecting the appropriate ranges. Our in-house production facility has been ISO 9001-certified for many years and is subjected to strict checks by our product and quality management teams. This is how we can ensure very high production and product quality, taking our customers' requirements into account. Thanks to our excellent value for money, T.I.P. has been one of the leading providers of pumps for private use in the home, on the farm and in the garden in Germany and across Europe for many years. We also sell our products successfully in countries outside Europe.

## **CONSTANT EVOLUTION AS A GUARANTEE FOR HIGH QUALITY**

The success and high quality of our range is based on constant evolution of our products according to the latest technological developments. This is backed up by consistent implementation of the highest quality requirements when selecting materials and designing production processes. The impressive result of this approach is powerful and high quality pumps with low energy consumption. Furthermore, using the scarce and ever more precious resource that is water responsibly is highly important when developing our products. Saving water and using process water, groundwater and rain water instead of drinking water does not just reduce household costs but is also an active contribution to saving the environment. Safety also plays a vital role when developing our products. We therefore work continuously to evolve our products in conjunction with leading institutes. We can supply each product with the corresponding quality certificates according to our customers' wishes.

## **T.I.P. ONLINE: A CUSTOMER-FRIENDLY SERVICE OFFERING**

At [www.tip-pumpen.de](http://www.tip-pumpen.de), we offer a comprehensive and well-organised website on which customer service is always at the forefront. Detailed information regarding products and accessories provides an informed insight into our range. Product information sheets are also available to print out. Any spare parts required can also be selected and ordered quickly from our online shop. As part of our regular updates, we present new products, describe innovative technologies and publish useful tips so visiting our homepage is always worth it.

## **SERVICE HOTLINE TO CLARIFY TECHNICAL QUERIES**

We provide a hotline for technical queries as a special service. Our specialist staff will be happy to help you with queries regarding installation, maintenance or similar matters. Our technicians are available from Monday to Friday from 15:00 to 17:00 on +49 (0)7263-912550. Our service department is available for queries regarding spare parts and repairs. You can reach them during normal business hours on +49 (0)7263-91250 and by e-mail to [service@tip-pumpen.de](mailto:service@tip-pumpen.de).

## **SPARE PARTS WITH 10 YEAR AVAILABILITY GUARANTEE**

Our products meet high quality and reliability demands. However, our products are subject to normal wear and tear, which means that spare parts are required. In this regard, we would like to advise you of a service that is not common and that our customers value a great deal: we guarantee that spare parts will be available for 10 years. Spare parts are available for all products that are up to ten years old from the date of purchase. If repairs or spare parts are required, please contact us by post, by fax or by e-mail. Our contact details are on the last page in the catalogue.

Our website at [www.tip-pumpen.de](http://www.tip-pumpen.de) is the quickest and easiest way to order spare parts. The T.I.P. shop publishes exploded drawings and parts lists for our products so that a required part can be found and ordered in just a few clicks.

Have fun flicking through and reading the catalogue and many new suggestions.

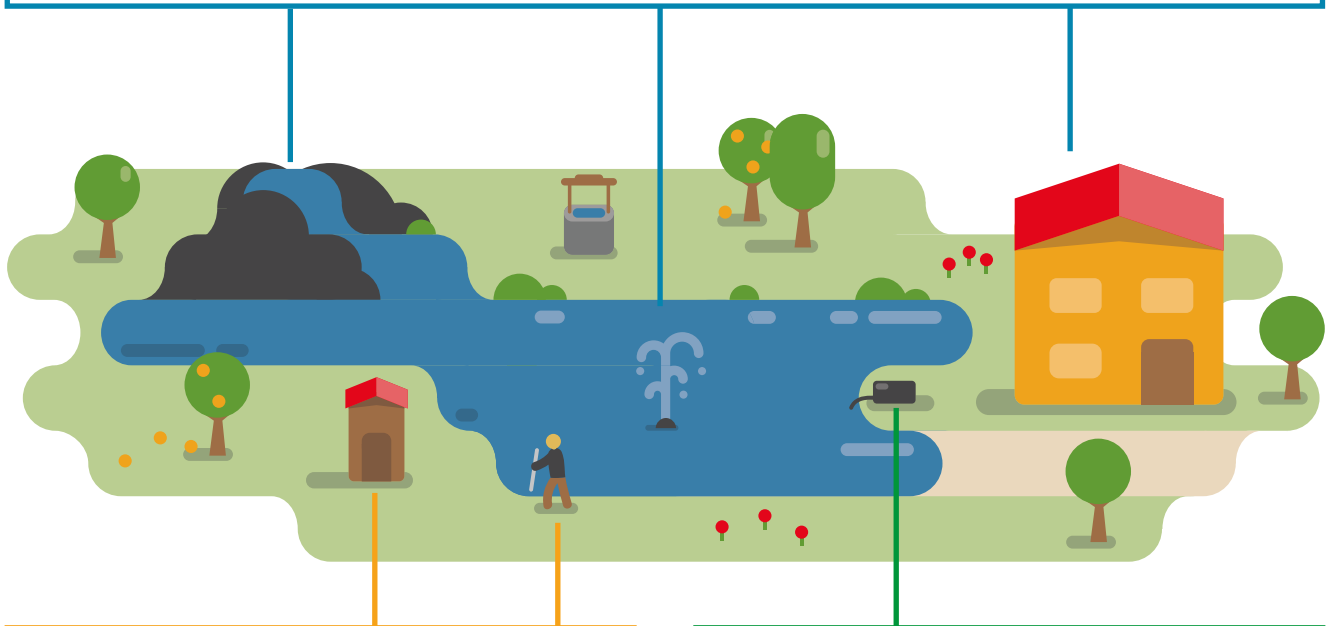
**YOURS, T.I.P. TECHNISCHE INDUSTRIE PRODUKTE GMBH  
THE PUMP PROFESSIONALS**

## TABLE OF CONTENTS

### AQUARIUM-, DECORATIVE FOUNTAIN AND POND PUMPS

Aquarium and decorative fountain pumps  
Solar pond pumps  
Water feature pumps  
Multi-function pumps  
Stream and filter pumps

**P. 04-17**



### POND CARE

Aquarium and pond air pump  
Pond vacuum cleaner  
UV-C clarifiers

**P. 26-33**

### EXTERNAL POND FILTERS

All-purpose multi-chamber external pond filter  
Professional multi-chamber external pond filter  
Pond pressure filters

**P. 18-25**

### ACCESSORIES

Filter mats  
Miscellaneous

**P. 34+35**



# AQUARIUM-, DECORATIVE FOUNTAIN AND POND PUMPS

*Our extensive range of pond equipment offers the right product for every purpose.*

*Main features:*

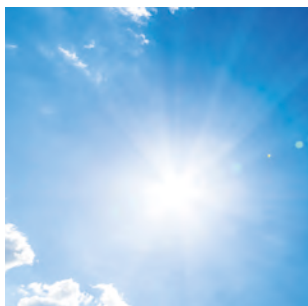
- *Adding an accent of charm*
- *Installing stream or water feature*
- *Using renewable energies thanks to solar pond pumps*
- *Individual pond design*

*Our water feature pumps are made of high quality plastics and have efficient motors. Furthermore, comprehensive accessories are included as standard.*



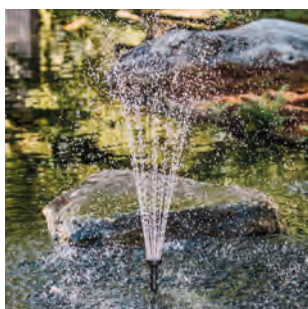
### AQUARIUM- AND DECORATIVE FOUNTAIN PUMPS

Our range comprises three classical fish pond, room fountain and statue pumps with different designs, equipment and application areas. We have a suitable pump for any requirement.



### SOLAR POND PUMPS

They have proven themselves an appealing alternative for creating water features, by harnessing renewable energy to keep costs down while at the same time protecting the environment. The SPS range includes pumps with a range of performance levels tailored to the creation of small or medium water features.



### WATER FEATURE PUMPS

Our extensive range of classic water feature pumps enables us to offer you the right product for every purpose. The product range goes from the solid basic model to the top of the range product with a high performance level.



### MULTI-FUNCTION PUMPS

Filter, stream and water feature pumps, as well as submersible pond filters are distinguished by their special area of application: we have managed to implement these different areas of application into one product. This product is a 4 in 1 pump and has the aforementioned functions. You therefore always have the right product in your pond.



### STREAM AND FILTER PUMPS

The stream pumps and filter system pumps were developed for particularly intensive applications. This includes water circulation in an artificial stream or waterfall, but also operating a filter system to clean the pond water.



## WP & WPZ

- » To operate fountain stones and statues
- » Suitable for indoors or outdoors
- » Very compact installation dimensions
- » Low power consumption and virtually silent operation
- » Infinitely variable water flow
- » For humidifying indoor air

# AQUARIUM-, DECORATIVE FOUNTAIN AND POND PUMPS

## AQUARIUM- AND DECORATIVE FOUNTAIN PUMPS

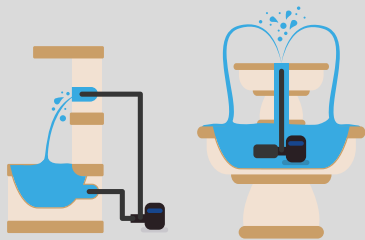
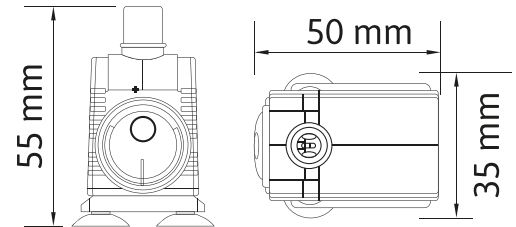


### DELIVERY RATE CONTROLLER

All fish tank and decorative fountain pumps feature a controller to adjust the delivery rate.

### COMPACT INSTALLATION DIMENSIONS

With its compact installation dimensions, the WP 500 Plus is ideal for room fountains and fish tanks.



### COMPREHENSIVE FILTER ACCESSORIES

The WP 500-10 R features a special quiet, energy-saving impeller unit that can be dry-installed if required. Includes intake filter and water feature accessories.

#### Product range



WPZ 450 R



WP 500 Plus



WP 500-10 R

This range includes water feature accessories. The WPZ 450 R includes a bell nozzle (water bell) and the WP range includes a volcano nozzle.

#### Special features

- For indoor use

- For indoor use
- Very compact installation dimensions

- For indoor and outdoor use
- Dry-installable with included intake filter
- Stable and removable base plate

Max. delivery rate	200 - 450 l/h	150 - 500 l/h	500 l/h
Max. delivery height	0.8 m	0.8 m	1.0 m
Rated power	6 watts	5 watts	6 watts
Max. immersion depth	1 m	1 m	1 m
Pump outlet	Ø 13 mm	Ø 13 mm	Ø 10.5 mm
Pump housing	Plastic	Plastic	Plastic
Cable length	1.6 m	1.6 m	10 m
Item number	30420	30306	30014
EAN / GTIN	4011458304202	4011458303069	4011458300143



Bell nozzle



Volcano nozzle



Volcano nozzle



## SPS & SSI

- » Expressive water features without electricity bills
- » More environmentally-friendly operation due to effective use of solar energy
- » High-performance 4 Ah battery
- » LED lighting for the evenings

# AQUARIUM-, DECORATIVE FOUNTAIN AND POND PUMPS

## SOLAR POND PUMPS



### READY FOR USE DAY & NIGHT

The high-quality solar panel fully charges the battery, so that you can enjoy the LED lighting and water feature even in the dark.

### WEATHER-PROTECTED CONTROL UNIT

Secure and safe from the weather, the battery is concealed inside a plastic housing, which also allows convenient pump operation and monitoring of all functions.



### FANTASTIC WATER FEATURES

The adjustable pump comes with a multi-part set of fountain accessories for a variety of water features (bell and volcano nozzle).

#### Product range



SPS 250/6



SSI 600 LED

Thanks to the integrated rechargeable battery, night operation is also possible.

#### Special features

- Water feature modes selectable by radio remote control

#### PUMP

Max. delivery rate	250 l/h, adjustable	150 l/h
Max. delivery height	1.2 m	0.8 m
Rated power	3 watts	0.8 watts
Voltage	6 V - 10 V	6 V
Fountain height	approx. 60 cm	approx. 30 cm
Cable length	5 m	-

#### SOLAR PANEL

Voltage	6 V - 10 V	6 V
Size	34 x 21 cm	14 x 11.5 cm (integrated)

#### BATTERY

Voltage / capacity	6 V / 4 Ah (lead gel)	3.7 V / 2.000 mAh Li
Protection against deep discharge	Yes	Yes
Remote control range	-	10 m
Weight (net)	approx. 2.1 kg	approx. 0.8 kg

Item number	30332	30335
EAN / GTIN	4011458303328	4011458303359



## WPS RANGE

- » High-performance models to create attractive water features with plenty of variety
- » Includes filter sponge and delivery rate controller
- » Comprehensive water feature accessories including an adjustable telescopic riser with ball joint, water feature nozzles and an adjustable 3-way valve

# AQUARIUM-, DECORATIVE FOUNTAIN AND POND PUMPS

## WATER FEATURE PUMPS

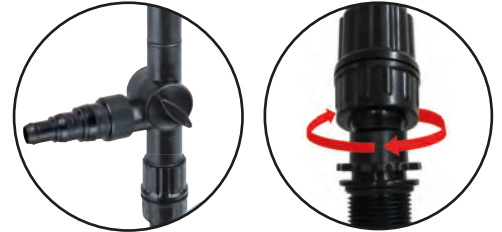


### INTEGRATED FILTER SPONGE

All water feature pumps are equipped with a suitable filter sponge to ensure that water features run perfectly and to provide additional protection for the pump.

### 3-WAY VALVE AND BALL JOINT

3-way valve with delivery rate controller and spitter connection to also operate a stream or spitting figurine. The telescopic riser has a ball joint for precise vertical alignment.

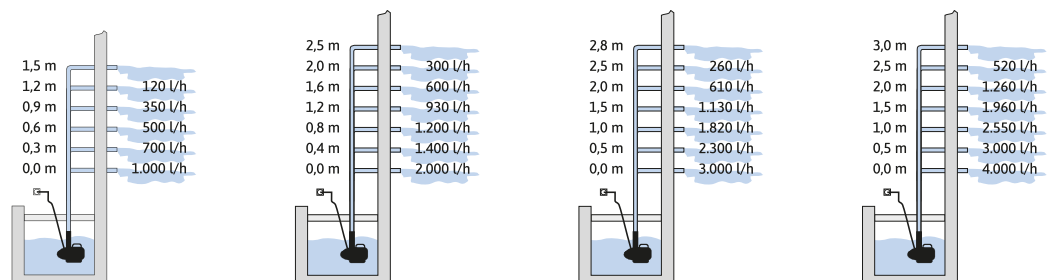


### NOZZLES FOR WATER FEATURES

Includes three attractive water feature attachments offering plenty of variety: volcano, foam and bell nozzle. (apart from the WPS 1000 R which only has a volcano and bell nozzle)

Product range	 WPS 1000 R	 WPS 2000 R	 WPS 3000 R	 WPS 4000 R
<b>Special features</b>	• Two water features	• Three water features	• Three water features	• Three water features
<b>Max. delivery rate</b>	1,000 l/h	2,000 l/h	3,000 l/h	4,000 l/h
<b>Max. delivery height</b>	1.5 m	2.5 m	2.8 m	3.0 m
<b>Rated power</b>	16 watts	35 watts	55 watts	75 watts
<b>Max. immersion depth</b>	2 m	2 m	2 m	2 m
<b>Pump outlet</b>	19.17 mm (½" inside thread)	19.17 mm (½" inside thread)	24.66 mm (¾" inside thread)	24.66 mm (¾" inside thread)
<b>Cable length</b>	10 m	10 m	10 m	10 m
<b>Max. grain size</b>	3 mm	3 mm	4 mm	4 mm
<b>Max. pond volume</b>	2,500 l	5,000 l	7,500 l	10,000 l
<b>Item number</b>	30421	30422	30423	30424
<b>EAN / GTIN</b>	4011458304219	4011458304226	4011458304233	4011458304240

**Delivery rate depends on the delivery height**  
(measured from the water surface)





## WPF 4 IN 1 RANGE

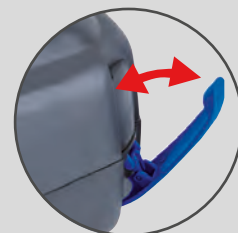
- » Combination pump combines a filter, stream, and water feature pump, and a submersible pond filter
- » High-performance models to operate external filter systems
- » Creating attractive streams or water features with plenty of variety
- » The high-quality plastic housing with “easy-to-open function” makes this range especially easy to maintain
- » With the filter materials supplied, these pumps can also be used as submersible pond filters
- » Comprehensive water feature accessories including an adjustable telescopic riser, water feature nozzles and an adjustable 3-way valve with ball joint

# AQUARIUM-, DECORATIVE FOUNTAIN AND POND PUMPS MULTI-FUNCTION PUMPS



## COMPREHENSIVE FILTER ACCESSORIES

Filter sponge and sintered glass material remove dirt from the water, keeping it clear and clean. With "easy-to-open function" for ease of cleaning.



## STREAM OPERATION

High-performance models with multi-dimensional connection port for operating filter systems or attractive streams. Hoses with a diameter of 19, 26, 33 or 39 mm can be connected.



## INTEGRATED DELIVERY RATE CONTROLLER

For direct control during stream or filter operation. (only WPF 2500 S & WPF 3500 S)

Product range



WPF 1500 S



WPF 2500 S



WPF 3500 S

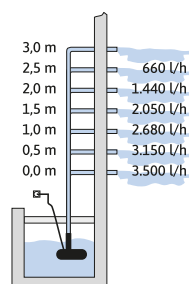
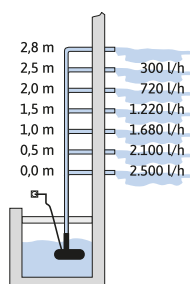
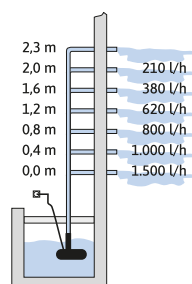
### Special features

The WPF range includes **three water feature nozzles** (volcano, foam and bell nozzle) and **a n multi-dimensional connection port**.

		• Integrated delivery rate controller	• Integrated delivery rate controller
<b>Max. delivery rate</b>	1,500 l/h	2,500 l/h	3,500 l/h
<b>Max. delivery height</b>	2.3 m	2.8 m	3.0 m
<b>Rated power</b>	25 watts	43 watts	68 watts
<b>Max. immersion depth</b>	2 m	2 m	2 m
<b>Pump outlet</b>	47.80 mm (1 ½" outside thread)	47.80 mm (1 ½" outside thread)	47.80 mm (1 ½" outside thread)
<b>Cable length</b>	10 m	10 m	10 m
<b>Max. grain size</b>	3 mm	4 mm	4 mm
<b>Max. pond volume</b>	3,000 l	5,500 l	8,500 l
<b>Item number</b>	30425	30426	30427
<b>EAN / GTIN</b>	4011458304257	4011458304264	4011458304271

Delivery rate depends on the delivery height

(measured from the water surface)

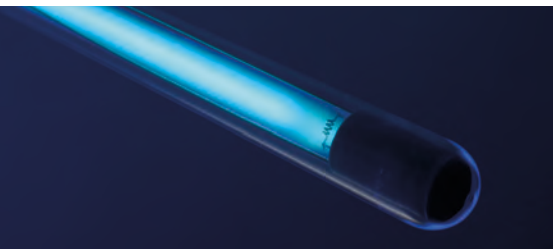




## TFU 2000 UV 9

- » Pond filter pump with integrated UV-C clarifier
- » Complete with telescopic riser pipe, 3-way valve and water feature nozzles
- » All-in-one product for small ponds and raised ponds with fish stocking
- » Pump output can be regulated without stages
- » Can also be used as a watercourse pump due to additional outlet
- » Only one socket required

# AQUARIUM-, DECORATIVE FOUNTAIN AND POND PUMPS STEAM AND FILTER PUMP

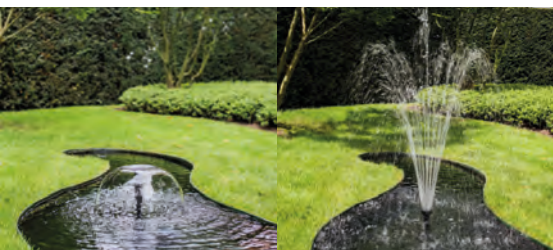


## RELIABLE FILTER MATERIAL

UV-C clarifier, filter sponges and glass sintering material reliably clean your pond in a mechanical-biological and thus natural way. The submersible UV-C lamp has an even more intensive cleaning effect directly in the water due to the local principle.

## WATERCOURSE

Use the additional output option for the connection of a watercourse or a spout figure.



## WATER FEATURES

With three water features for a harmonious ambience. Two different volcano nozzles and one bell nozzle.



Product range

TFU 2000 UV 9

### Special features

- 5 in 1 product: Filter, watercourse, water feature pump, UV-C clarifier and submersible pond filter
- UV-C clarifier submersible and thus even more effective

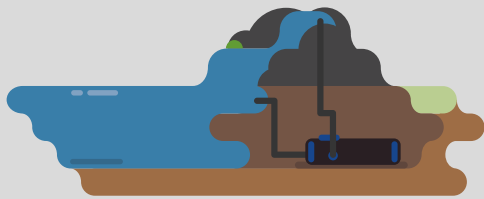
Max. delivery rate	2,000 l/h
Max. delivery height	2 m
Max. total rated power	45 watts
UV-C tube power	9 watts
Pump housing	Plastic
Max. immersion depth	2 m
Max. pond volume	4 m <sup>3</sup>
Pump outlet	Ø 13 mm
Connection cable length	10 m
Item number	30429
EAN / GTIN	4011458304295



## BPF 8000 E

- » High-performance pump for running filter systems, streams and waterfalls
- » Extra-energy efficient, low-maintenance stream pump with asynchronous motor
- » Ceramic shaft and bearing for very low wear and quiet continuous operation
- » Free-flow impeller for dirty water with particles up to 6 mm
- » Stream pump with integrated delivery rate controller
- » Also suitable for creating large-scale water features

# AQUARIUM-, DECORATIVE FOUNTAIN AND POND PUMPS STREAM AND FILTER PUMP



## DRY-INSTALLABLE

This pump can also be dry-installed by replacing a connection port with a delivery rate controller. The connection port is supplied as standard.

## INTEGRATED DELIVERY RATE CONTROLLER

Thanks to the integrated delivery rate controller, the delivery rate can be adjusted infinitely to the requirements of the filter system being used or the stream being operated.



## ADJUSTABLE HOSE CONNECTION

The adjustable hose connection makes it easy to align the connections to the filter system or stream operation.

### Product range



**BPF 8000 E**

#### Special features

- Dry-installable
- Integrated delivery rate controller
- Two multi-dimensional connection ports

**Max. delivery rate** 8,000 l/h

**Max. delivery height** 4.5 m

**Rated power** 70 watts

**Max. immersion depth** 2 m

**Pump outlet** 59.61 mm (2" outside thread)

**Cable length** 10 m

**Max. grain size** 6 mm

**Max. pond volume** 20,000 l

**Item number** 30428

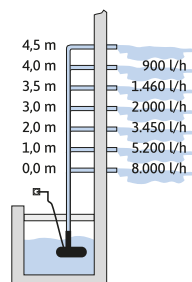
**EAN / GTIN** 4011458304288



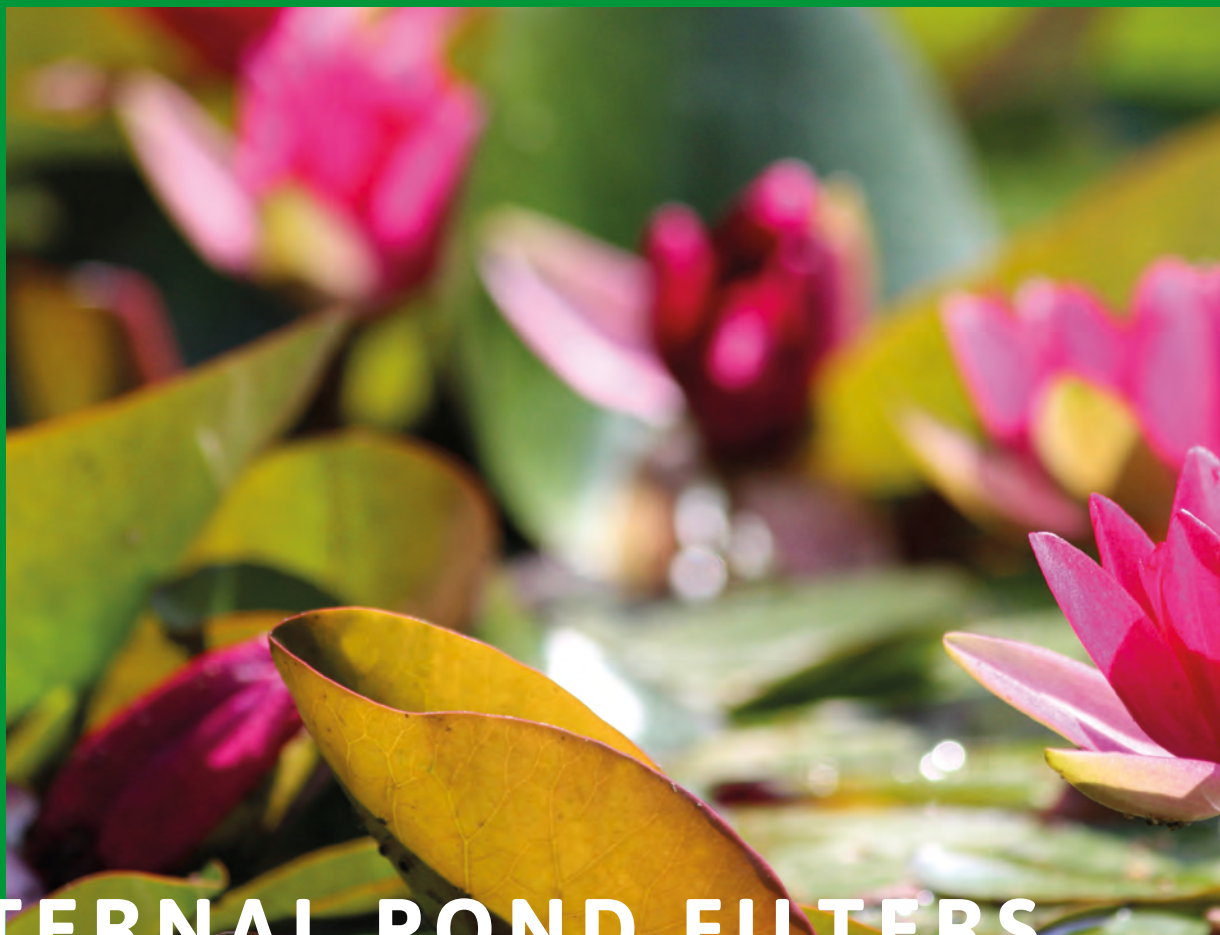
## CHOOSING THE RIGHT PUMP

The decisive value for determining the right pump is the effective flow rate depending on the delivery head. The delivery head and the width of your stream or waterfall must be taken into account.

**Delivery rate depends on the delivery height**  
(measured from the water surface)



	H = 20 cm	H = 40 cm	H = 60 cm
W = 20 cm	22 l/min	30 l/min	42 l/min
W = 30 cm	35 l/min	47 l/min	62 l/min
W = 40 cm	47 l/min	63 l/min	83 l/min
W = 50 cm	60 l/min	83 l/min	108 l/min



# EXTERNAL POND FILTERS

*Our extensive range of external pond filters offers the right product for every purpose.*

*Main features:*

- *Reducing algae growth*
- *Complete solutions with accessories*
- *Very effective filter due to positively-driven water*
- *Increased filter stage efficiency thanks to positive pressure in pond pressure filters*
- *Easy cleaning due to dirt drain taps or back-flush function depending on the model*

*Our filters are made of high-quality plastics, have energy-efficient pumps and are generally designed as a complete set.*



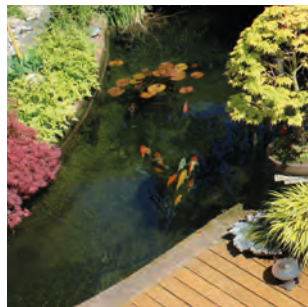
### ALL-PURPOSE MULTI-CHAMBER EXTERNAL POND FILTER

The WDF 10000 UV 11 and MTS 20000 UV 18 models are suitable as fully equipped complete solutions for immediate connection. Accordingly, a pump, an inflow hose, an outflow hose, a UV-C clarifier and all required filter materials and connections are enclosed.



### PROFESSIONAL MULTI-CHAMBER EXTERNAL POND FILTER

The MTS 30000 UV 24 INOX is an absolute professional model including various filter materials for the individual filter stages. This removes the time-consuming and expensive search for suitable materials for commissioning. A pump, a UV-C clarifier, filter materials and all connections are enclosed.



### POND PRESSURE FILTERS

With their four or five filter stages, depending on the model, the pond pressure filters in the TFP range support and strengthen natural processes in the pond and ensure biological, mechanical and natural chemical filtration of the water. The micro-organisms that provide the organic filtering function settle on the filter media within four to eight weeks.

**EXTERNAL POND FILTERS**  
**ALL-PURPOSE MULTI-CHAMBER EXTERNAL POND FILTER**



## **MTS & WDF**

- » Complete solutions to maintain biological balance and support natural processes in the pond
- » A combination of various filter techniques cleans the water efficiently
- » Powerful enrichment of the water with oxygen using wet-and-dry technology
- » UV-C clarifier to reduce algae formation
- » Particularly maintenance-friendly design with dirt drain tap (WDF 10000 & MTS 20000)

# EXTERNAL POND FILTERS

## ALL-PURPOSE MULTI-CHAMBER EXTERNAL POND FILTER

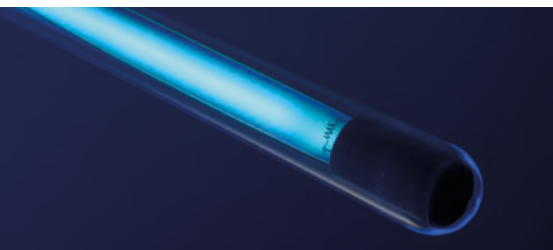
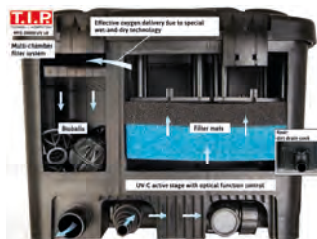


### COMPLETE SOLUTION

The complete system consists of UV-C clarifiers, filter material, pump, intake and drain hose, and a variety of connections.(WDF 10000 & MTS 20000)

### VARIOUS FILTER STAGES

The pond water flows through several chambers with different filter materials. The innovative wet-and-dry technology (WDF 10000 and MTS 20000) enriches the filtered water with additional oxygen.



### REDUCED ALGAE GROWTH

UV-C clarifiers ensure reduced algae growth and lower harmful bacteria and germ loads in the water.

#### Product range



**MTS 4000  
UV 9**



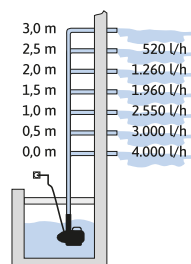
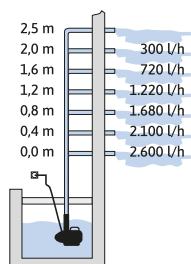
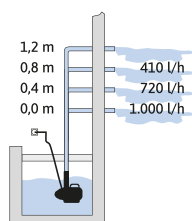
**WDF 10000  
UV 11**



**MTS 20000  
UV 18**

Special features	<ul style="list-style-type: none"> <li>Submersible UV-C clarifier</li> <li>Plug and play</li> </ul>	<ul style="list-style-type: none"> <li>Wet-and-dry technology</li> <li>Including 3 m inflow hose with Ø 25 mm and 2 m outflow hose with Ø 32 mm</li> </ul>	<ul style="list-style-type: none"> <li>Wet-and-dry technology</li> <li>Including 3 m inflow hose with Ø 25 mm and 2 m outflow hose with Ø 50 mm</li> </ul>
Max. delivery rate	1,000 l/h	2,600 l/h	4,000 l/h
Max. delivery height	1.2 m	2.5 m	3.0 m
Rated power	24 watts	43 watts	75 watts
Max. immersion depth	2 m	2 m	2 m
Pump cable length	10 m	10 m	10 m
UV-C tubes / item number	9 watts / 31048	11 watts / 30985	18 watts / 30988
UV-C clarifier cable length	10 m	5 m	5 m
Inlet and outlet filter	19 mm / 50 mm	25 mm / 32 mm	25 mm / 50 mm
Filter container	10 l	35 l	70 l
Max. pond volume	4,000 l	10,000 l	20,000 l
Item number	30296	30495	30289
EAN / GTIN	4011458302963	4011458304950	4011458302895

Delivery rate depends on the delivery height  
(measured from the water surface)



**EXTERNAL POND FILTERS**  
**ALL-PURPOSE MULTI-CHAMBER EXTERNAL POND FILTER**

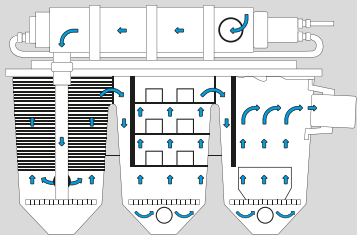


## **MTS 30000 UV 24 INOX**

- » Multi-chamber system – high effectiveness thanks to the ideal combination of various filter processes for effective cleaning of your pond
- » With energy-saving pump and all filter materials
- » UV-C clarifier to reduce algae formation
- » Dirt drain taps on each chamber for convenient cleaning
- » Very effective filter due to positively-driven water
- » The professional “up-and-down technology” (WDF 10000 & MTS 20000) ensures optimum water circulation

## EXTERNAL POND FILTERS

### ALL-PURPOSE MULTI-CHAMBER EXTERNAL POND FILTER



#### VARIOUS FILTER STAGES

Multi-chamber pond filter with various filter stages for clear and healthy water. The pond water is cleaned in a mechanical, organic and natural chemical manner.

#### THE MTS SYSTEM

The MTS system ensures the highest level of professional external filter technology including a high-performance pump that is suitable for non-stop running and various high-quality filter materials.



	max. 30,000 l Plant stock only
	max. 23,000 l Plant and fish stocking
	max. 15,000 l Predominantly fish stocking

#### HIGH FILTER PERFORMANCE

The ideal cleaning performance depends on the plants and fish stock. UV-C clarifiers and various filter stages ensure clear water in the pond.



Product range

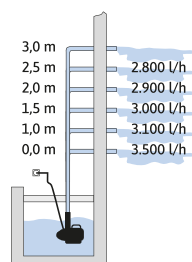
MTS 30000 UV 24 INOX

#### Special features

- Including filter materials
- Dirt drain taps
- With stainless steel UV-C clarifier

Max. delivery rate	3,500 l/h
Max. delivery height	3.0 m
Rated power	25 watts
Max. immersion depth	2 m
Pump cable length	10 m
UV-C tubes / item number	24 watts / 30993
UV-C clarifier cable length	5 m
Inlet and outlet filter	Ø 32 mm / 50 mm
Max. pond volume	30,000 l
Item number	30288
EAN / GTIN	4011458302888

Delivery rate depends on the  
delivery height  
(measured from the water surface)



## EXTERNAL POND FILTERS POND PRESSURE FILTER



## TFP RANGE

- » Effective filtration using a combination of filter media like filter sponges, Bioballs and UV-C clarifiers
- » Complete set with pump, 3 m inflow hose and 2 m outflow hose
- » Increased filter stage efficiency thanks to positive pressure
- » UV-C clarifier to reduce algae formation
- » With contamination indicator on the TFP 10000 and TFP 15000
- » Back-flush function and crank handle for quick and easy cleaning
- » The filter container can be placed in the ground (up to the tension locks)

# EXTERNAL POND FILTERS

## POND PRESSURE FILTER

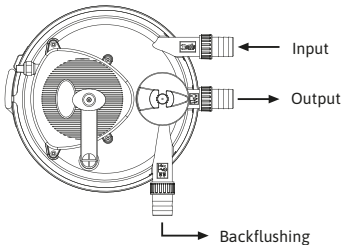


### VARIOUS FILTER STAGES

Pond pressure filter with various filter stages.  
Increased effectiveness of the individual filter stages thanks to positive pressure.

### ADDITIONAL FUNCTION

The filter head is equipped with a function selector switch, which you simply turn to activate the filter function or the back-flush function. On the TFP 10000 and TFP 15000, an additional contamination indicator is also integrated into the function selector switch.



### EASY TO CLEAN

Cleaning is possible without opening the filter or changing the installation.  
Regular cleaning prevents the filter media clogging.  
This ensures that the best filter results are always obtained.

Product range



TFP 5000  
UV 9



TFP 10000  
UV 11

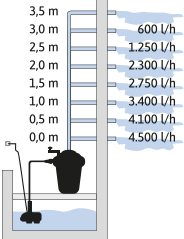
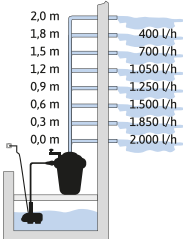
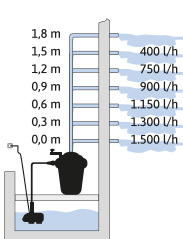


TFP 15000  
UV 13

The TFP range has an **integrated back-flushing function** that guarantees easy cleaning.

Special features	<ul style="list-style-type: none"><li>• 3 filter sponges</li><li>• UV-C clarifier</li></ul>	<ul style="list-style-type: none"><li>• 4 filter sponges</li><li>• UV-C clarifier</li><li>• Bioballs</li><li>• Contamination indicator</li></ul>	<ul style="list-style-type: none"><li>• 5 filter sponges</li><li>• UV-C clarifier</li><li>• Bioballs</li><li>• Contamination indicator</li></ul>
Max. delivery rate	1,500 l/h	2,000 l/h	4,500 l/h
Max. delivery height	1.8 m	2.0 m	3.5 m
Rated power	25 watts	35 watts	80 watts
Max. immersion depth	2 m	2 m	2 m
Pump cable length	10 m	10 m	10 m
UV-C tubes / item number	9 watts / 31048	11 watts / 30984	13 watts / 30978
UV-C clarifier cable length	3 m	3 m	5 m
Inlet and outlet filter	Ø 19 mm	Ø 19 mm	Ø 19 mm
Filter container	8 l	20 l	25 l
Max. pond volume	5,000 l	10,000 l	15,000 l
Item number	30297	30298	30299
EAN / GTIN	4011458302970	4011458302987	4011458302994

Delivery rate depends on the  
delivery height  
(measured from the water surface)





## POND CARE

*In addition to our pond range, we of course also offer a wide range of pond care items.*

*Main features:*

- *Oxygen enrichment for your pond or fish tank*
- *Preventing the pond freezing in winter*
- *Reducing algae formation and bacterial load*
- *Fine filtering of solids and suspended solids*
- *Creating a surface for bacteria to settle*
- *Absorption of toxic compounds such as heavy metals*

*Our pond care products are made of high quality plastics and have efficient motors. Furthermore, comprehensive accessories are included as standard. There's nothing stopping immediate start-up.*



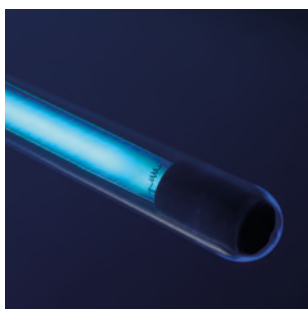
### AQUARIUM AND POND AIR PUMPS

The two models of the API series cover all necessary areas of aquarium and pond aeration. The smaller model of the series is designed for indoor use for aquariums. The larger model, thanks to is able to supply four aeration spheres with sufficient oxygen and can be with oxygen and can be regulated continuously.



### POND VACUUM CLEANER

A pond sludge vacuum cleaner makes it possible to thoroughly remove your pond or thoroughly from coarse impurities such as leaves and mud. Thanks to the long suction tube, you can the bottom of the pond or the bottom of your pool easily and clean them. Our pond mud vacuum cleaners are equipped with an automatic suction and drain. This makes the use of the devices even more convenient.



### UV-C CLARIFIERS

Suspended algae that are present in the pond water are clumped together through the use of ultraviolet radiation and can be filtered out by the use of your pond filter. In addition, the UV-C clarifiers supports the reduction of the bacterial load of your pond water.

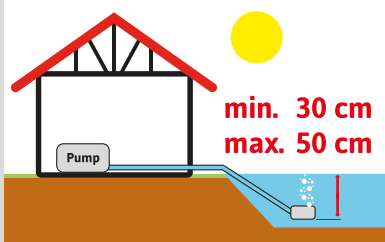


## API RANGE

- » For supplying the pond with additional oxygen
- » Anti-icing function in winter
- » Suitable for continuous operation
- » Can also be used to air fish tanks
- » Very low noise motor technology

## POND CARE

### AQUARIUM- AND POND AIR PUMPS



#### IDEAL OXYGEN SUPPLY

To keep the pool perfectly supplied with additional oxygen and maintain a functioning ecosystem, place the air balls approx. 30–50 cm below the water surface.

#### INFINITELY VARIABLE

Thanks to the API 1000/4's integrated delivery rate controller, the delivery rate can be adjusted infinitely as required for the pond size.



#### COMPLETE SET

The air pumps are equipped with a complete set of accessories (quartz sand mixture air balls, check valves and hoses).

#### Product range



#### API 100/1



#### API 1000/4

#### Special features

- Accessories: 1 air ball, 1 check valve, 10 m air hose
- 1 replacement diaphragm

- Adjustable delivery rate
- Accessories: 4 air balls, 4 check valves, 4 x 10 m air hose
- 4 replacement diaphragms

**Max. power consumption** 2.2 watts

12 watts

**Air delivery rate** 90 l/h

450 - 900 l/h

**Cable length** 1.3 m

5 m

**Adjustable** No

Yes

**Max. immersion depth for stones** 0.5 m

0.5 m

**Pond size** 1,000 l

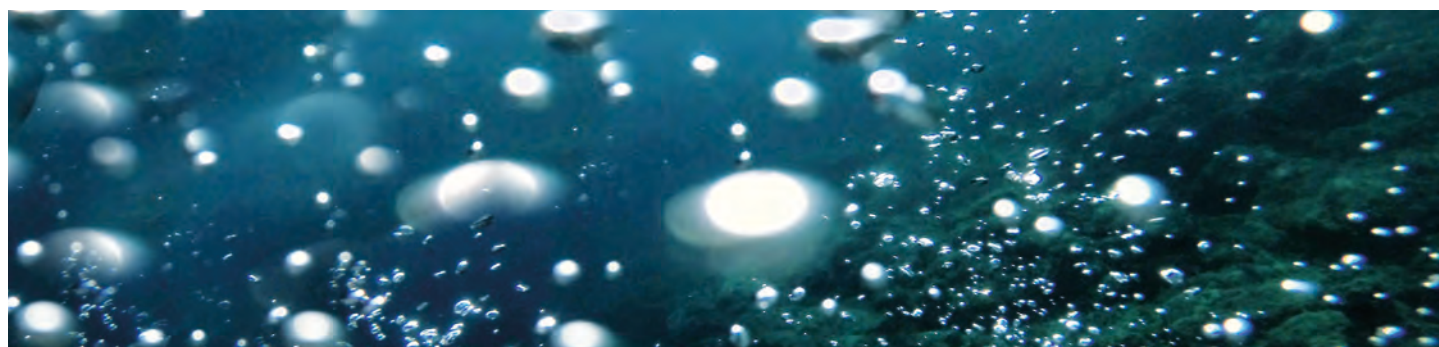
10,000 l

**Item number** 30430

30431

**EAN / GTIN** 4011458304301

40114583044318



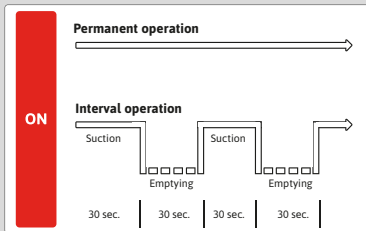
**POND CARE**  
**POND VACUUM CLEANER**



## **TSS 1600 K**

- » To clean sludge, algae and leaves off the pond or swimming pool floor thoroughly
- » Particularly convenient thanks to controlled automatic suction and emptying
- » High flexibility thanks to extra long suction hose
- » Large tank with 30 l volume and easy to operate tension locks

## POND CARE POND VACUUM CLEANER

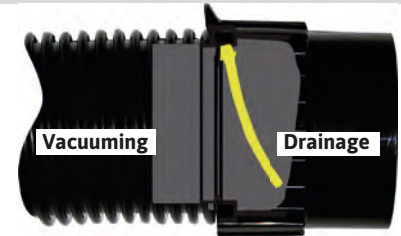


### INTEGRATED AUTOMATIC DRAINING

In automatic mode, the suction and discharge processes are electronically controlled. This leads to an optimum cleaning result.

### DRAIN HOSE WITH CHECK VALVE

This drain hose (1.5 m) with integrated check valve opens and closes according to the operating status.



### COMPREHENSIVE ACCESSORIES

The suction pipe can be adjusted as required up to a maximum length of 2 m. In addition, the package contains a coarse filter, a dirt collection bag, a 4 m suction hose with flat nozzle, and a 1.5 m drain hose.



Product range

TSS 1600 K

#### Special features

- 2 m suction pipe - four-part - 2 x transparent
- Flat nozzle for pond sludge
- Coarse filter and dirt collection bag

**Rated power** 1,600 watts

**Cable length** 4 m

**Max. suction height** 1.8 m

**Tank volume** 30 l

**Suction hose** 4 m (Ø 35 mm)

**Drain hose** 1.5 m (Ø 35 mm)

**Item number** 30519

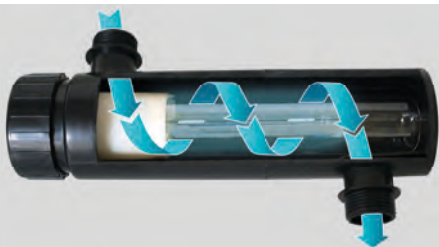
**EAN / GTIN** 4011458305193



## SPU & UV-C-SU

- » Ensures clear water in your pond or fish tank in a natural way
- » Reduces algae formation and bacterial load
- » Includes quartz glass tube for at least one pond period
- » With optical function check

## POND CARE UV-C CLARIFIERS



### REDUCED ALGAE GROWTH

UV-C clarifiers ensure reduced algae growth and lower harmful bacteria and germ loads in the water.

### LONG SERVICE LIFE

The quartz glass tubes have a very long service life of up to 8,000 hours.  
(SPU 36000)



### OPTICAL FUNCTION CHECK

An indicator lamp allows you to check whether the lamp is working.  
(SPU 36000)

#### Product range



UV-C-SU 11 W



SPU 36000

#### Special features

- For ponds of up to 10,000 l
- Lamp service life of 4,000 h

- For ponds and pools of up to 36,000 l
- Lamp service life of 8,000 h

**UV-C tube power** 11 watts

36 watts

**Max. flow rate** 3,000 l/h

7,000 l/h

**Hose connection** 20 mm / 25 mm

38 mm / 50 mm

**Cable length** 5 m

5 m

**Max. pond volume** 10,000 l

36,000 l

**Spare tube item number** 30985

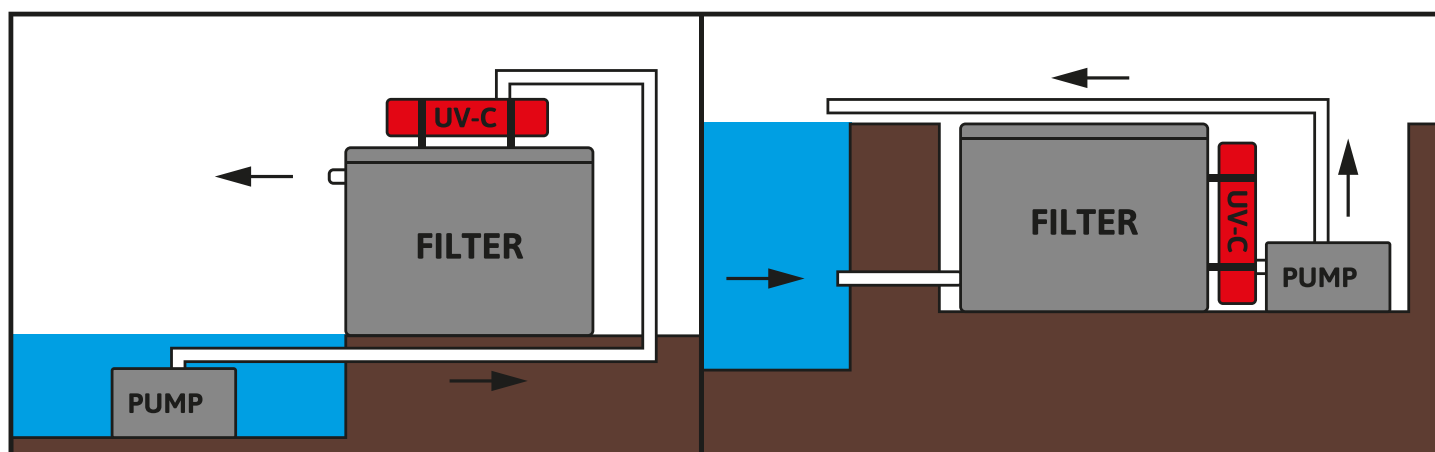
30994

**Item number** 30432

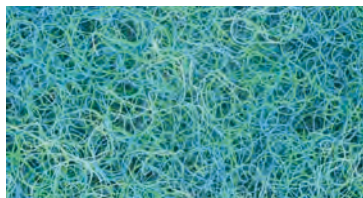
30447

**EAN / GTIN** 4011458304325

4011458304479



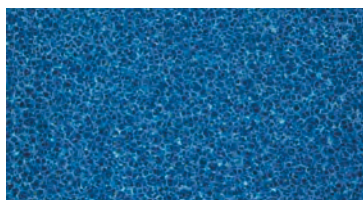
# FILTER MATS



## PJM 45/32

The extra-tough fibrous structure of the Japanese mat guarantees a large surface for useful bacteria to settle on and a good flow of water.

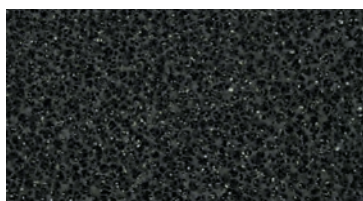
Dimensions	Item no.	EAN / GTIN
45 x 31.5 x 3.8 cm	30550	4011458305506



## FSM 45/32

The open-pore foam filter mats are very good for fine filtering of solids and suspended solids. They are durable and easy to clean.

Dimensions	Item no.	EAN / GTIN
45 x 31.5 x 3.8 cm	30551	4011458305513



## PAK 45/32

The activated charcoal filter mat absorbs toxic compounds such as heavy metals. Use in pond filter systems enables an additional cleaning stage.

Dimensions	Item no.	EAN / GTIN
45 x 31.5 x 1.9 cm	30552	4011458305520

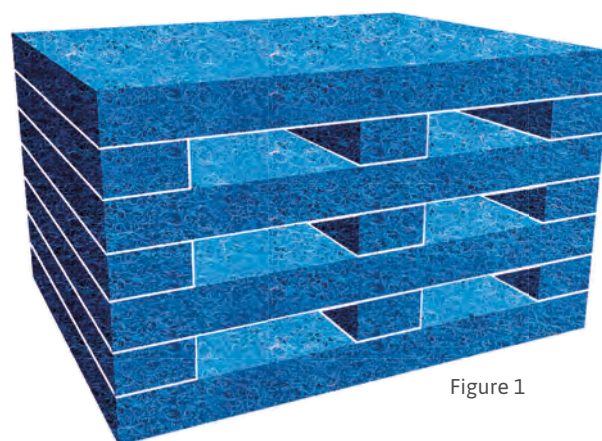
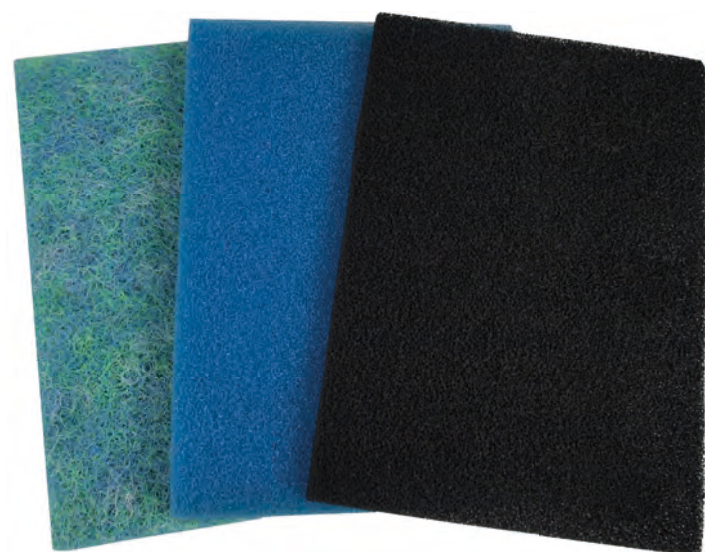


Figure 1

## INSTALLATION INSTRUCTIONS:

Use a sharp knife to cut the mats to the size of the filter chamber. Do not glue them. Assemble them according to the illustration. After a closed mat, mat strips follow and then a closed mat. This procedure is required to guarantee a good water flow and to prevent clogging. See Figure 1.

# ACCESSORIES



## PBK 50 AIR STONE

The large aeration sphere made of fine-pored quartz sand mixture ensures effective pond and aquarium aeration. Connection Ø 6 mm.

Dimensions	Item no.	EAN / GTIN
Ø 50 mm	30553	4011458305537



## ZEOLITH FILTER MATERIAL

Zeolith is a solid natural stone with numerous pores, empty spaces and channels. Pollutants and excess nutrients are trapped and degraded by bacterial action.

Dimensions	Item no.	EAN / GTIN
6 l bag	35047	4011458350476



## SPARE TUBES FOR UV-C CLARIFIERS

	5 watts	6 watts	7 watts	9 watts	11 watts
<b>Base</b>	G5 T5	G5 T5	G23	G23	G5 T5
<b>Length</b>	18 cm	21 cm	13.5 cm	16.5 cm	21 cm
<b>Item number</b>	30992	31044	30979	31048	31045
<b>EAN / GTIN</b>	4011458309924	4011458310449	4011458309795	4011458310487	4011458310456

	11 watts	11 watts	13 watts	15 watts	16 watts
<b>Base</b>	G23	G23	G23	G13 T8	G5 T5
<b>Length</b>	18.5 cm	23.5 cm	18.5 cm	43.5 cm	23 cm
<b>Item number</b>	30985	30984	30978	31046	31000
<b>EAN / GTIN</b>	4011458309856	4011458309849	4011458309788	4011458310463	4011458310005

	18 watts	24 watts	25 watts	36 watts	
<b>Base</b>	4 pin 2G11	4 pin 2G11	G13 T8	4 pin 2G11	
<b>Length</b>	22 cm	32 cm	43.5 cm	41 cm	
<b>Item number</b>	30988	30993	31047	30994	
<b>EAN / GTIN</b>	4011458309887	4011458309931	4011458310470	4011458309948	

# NOTES

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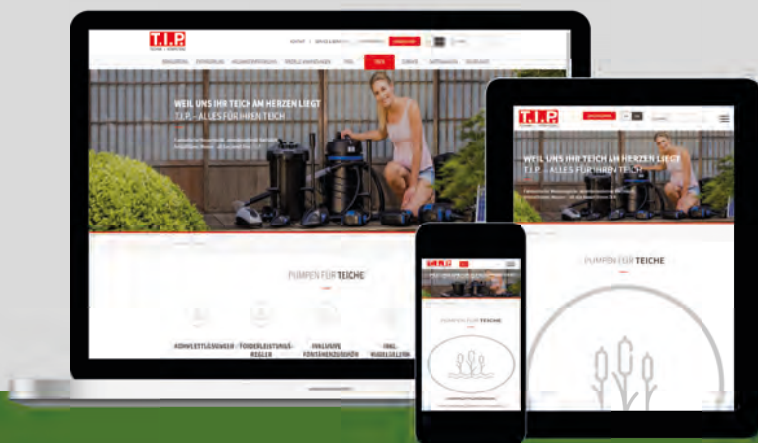
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