

UVOX 250 DESINFECTION & OZONE OXIDATION

code 370

A combination of ultraviolet disinfection and ozone oxidation in one unit!

The system guarantees an optimum water quality, with minimum maintenance. This combination of two technologies offers significant advantages for water purification like:

Increases the Redoxpotential and oxygen level, lowers the bacteria pressure in the water and destructs the colorants and algae. The UVOX technology does not change the pH value and there is no formation of hazardous by-products which damage your health. In addition it enhances the functioning of the bio filter.

The UVOX-250 system has a polyethylene reaction chamber with a highly intensive ultraviolet lamp that:

1) generates ultraviolet light (on a wavelength of 185 nm), used to irradiate the air. The oxygen in the air is converted into ozone due to this irradiation. This air mixture is injected into the water by means of a venturi device. Ozone leads to the oxidation of pathogenic germs in water (bacteria, viruses and algae) and disturbing dissolved matter (such as hydrocarbons (TOC) or chloramine).

2) and at the same time Ultraviolet light is generated (on a wavelength of 254 nm) and used to irradiate the water. The ozone, already to be found in the water, is converted to OH- radicals, whereby the relative oxidation power of 1.52 (ozone value) is increased to 2.05 (OH- radicals value) and the remaining ozone content destroyed. The ultraviolet irradiation also leads to the destruction of up to 99.9% of pathogenic germs in the water such as bacteria, viruses and algae.

The UVOX-250 system thus guarantees ecological and economical water purification without formation of hazardous by-products or alteration to the pH value. Made of PE. 63mm PVC connections. Max. pressure: 3 bar. Height: 106cm. Diameter 140mm.

Benefits of the UVOX-250 system:

- Crystal clear water – Destruction of colorants & proteins
- Safe and natural water - Increases oxygen level
- Increases redoxpotential – Lowers bacteria pressure
- Destructs algae – Improves biofilter
- Minimum maintenance requirements

For filter systems with a "low pressure" pump (Sequence, Red Dragon, Oase, etc.) we have a special booster pump system. This system comes with a Quiet One 4000HH pump including all fittings. This pump can feed the venturi without pressure loss for the filter pump!

TYPE	ARTNR.	EURO	RECOMMENDED FLOW
UVOX 250 incl. venturi pressure system	MD300	1990,00	5 - 25m³/hr
UVOX 250 incl. booster pump system	MD302	2390,00	5 - 25m³/hr



Nr.	UVOX 250
1	UVOX Ozonator with UV-Reaction chamber
2	Venturi-Injection system, Ozone hose, pre-mounted with PVC fittings 63 mm
3	Pressure Meter 0-0.6 Bar, 3/8"

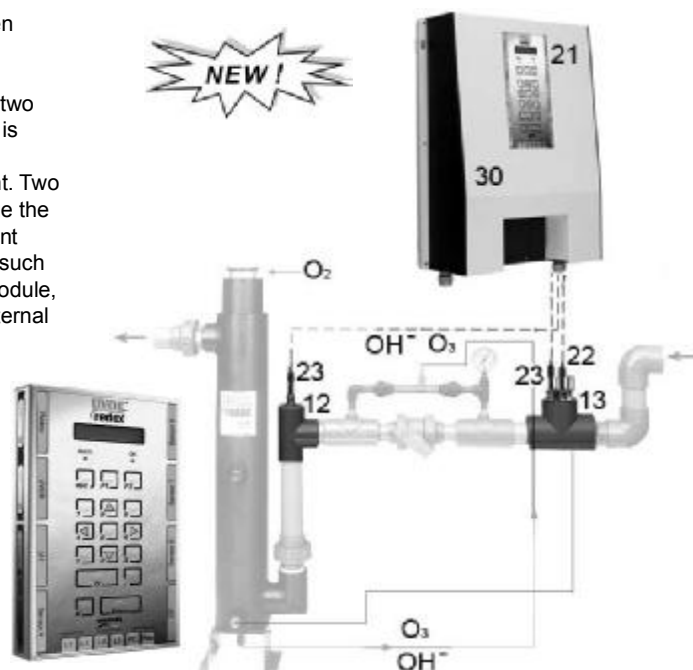
UVOX REDOX CRU

code 370

For the UVOX 250, a special version of the Pondpilot has been made in cooperation with IKS. The special version has some functions which are not available on a regular Pondpilot. This measuring- and controlling unit measures the Redox value at two points, one before and one after the venturi, where the ozone is injected into the system. Furthermore, a UV sensor module is provided, which measures the radiation intensity of the UV light. Two special T-connections have been developed in order to enlarge the life span of the sensible sensors and to make the measurement more precise. In addition, further modules can be connected, such as oxygen sensor module, pH sensor module, temperature module, the operation of dosage pumps or an alarm function on an external display. (For further information: see IKS Pondpilot as well).

TYPE	ARTNR.	EURO
UVOX-Redox CRU measurement/control unit incl. 2 redoxsensors + UV sensor	MD310	2795,00
for other sensors: see IKS Pondpilot		

Nr.	Basic Kit Computer UVOX-Redox CRU
21	1 x Computer UVOX-Redox
30	Mounting cabinet for UVOX-Redox CD(UX) UVOX-Redox CR is (pre) mounted
23	2 x Redox-Module incl. Redox Sensor
22	1 x UV-Sensor incl. Sensor
12	1 x Tee connection 63 mm with PVC Fitting 63-1xM20
13	1 x Tee connection 63 mm with PVC Fitting 63-4xM20



BIO-UV PROFESSIONAL UV-UNITS WITH CE-CERTIFICATION

code 805

These UV units are made of a high quality stainless steel (316L) and have an unequalled performance at high flow rates. The 150 mm diameter of the housing assures a minimum exposure of 2 seconds to UV radiation at the recommended flow rates (see table).

Due to the use of special "High Intensity" UV lamps with an output of 25.000 micro Watt and the minimum exposure of 2 sec, they kill microscopic algae as well as 99.9% of harmful bacteria and viruses, including Aeromonas, Pseudomonas and Legionella!

The type of BIO-UV lamp should be based on an effective flow rate per hour, provided by the pump, rather than on the volume of the pond. BIO-UV lamps are used instead of chlorine for disinfection of swimming pools.

- maximum continuous pressure: 3 bar,
- maximum water temperature 40°C
- 8000 hours of effective use (performance is measured after 8000 hours of use).



Also available in PE for seawater

TYPE	ART. NR.	EURO	WATT	RECOMMENDED FLOW RATE	UV EXPOSURE	TOTAL HEIGHT	KG	Ø	VOLUME	PIPE CONNECTION
BIO UV10	SB650	875,00	38 watt	7 m³/hr	2,8 sec.	42 cm	7,6	15 cm	6,4 ltr	50 mm
BIO UV20	SB652	1140,00	59 watt	14 m³/hr	2,6 sec.	69 cm	9	15 cm	11,7 ltr	50 mm
BIO UV30	SB654	1599,00	75 watt	23 m³/hr	2,3 sec.	94 cm	11	15 cm	14,7 ltr	63 mm
BIO UV40	SB656	1899,00	102 watt	32 m³/hr	2,1 sec.	120 cm	14	15 cm	17,3 ltr	75 mm

DELTA UV PROFESSIONAL STAINLESS STEEL UVC-UNITS

code 840

A new series of professional Stainless Steel UVC-units for ponds, pools, whirlpools etc. Exclusive features include a 316 Stainless Steel housing that allows for **360° rotation of the inlet and outlet unions** for ease of installation. Another key exclusive features not commonly found in similar units is the inclusion of unions at each end of the Stainless Steel housing, which allows the total disassembly of the Stainless Steel housing to facilitate cleaning of the quartz tube, should it be necessary. Like all Delta Ultraviolet systems, Delta's proprietary High Output (HO) low pressure lamp is capable of 30,000 µ/sec./cm² output at lamp end-of-life (EOL) when design flow rates are maintained. This is the same requirement for **Class A drinking water**. The long life lamp is rated at 9000 hours of continuous use (approximately 1 year). EA-3H model: 3 inch (Ø76mm) High Output EA-4H model: 4 inch (Ø100mm) High Output. **All units have 63mm connections.**



TYPE	ARTNR.	EURO	WATT	RECOMMENDED FLOW RATE	LENGTH X DIAMETER
EA-3H-5	SB630	459,00	30	3,6m³ /hr	45 x 7,62 cm
EA-3H-10	SB631	495,00	58	7,5m³ /hr	63 x 7,62 cm
EA-4H-10	SB636	575,00	58	10m³ /hr	63 x 10,16 cm
EA-4H-20	SB637	649,00	80	13m³ /hr	99 x 10,16 cm
EA-4H-40	SB638	699,00	90	15,6m³ /hr	117 x 10,16 cm

JUMBO KOI STAINLESS STEEL UV-C UNIT

code 805

UV-C unit with stainless steel reflector for 35% extra radiation. Unit is equipped with a T5 lamp for optimal performance. 50/63 mm glue connection. Working pressure max. 6 bar.

TYPE	ARTNR.	EURO	MAX. POND VOLUME	MAX. PUMP SPEED
Jumbo 15.000 16 watt	SB680	240,45	15 m³	7,5 m³/hr
Jumbo 35.000 40 watt	SB681	341,25	35 m³	15 m³/hr
Jumbo 70.000 75 watt	SB682	367,50	70 m³	20 m³/hr
Jumbo 140.000 2 x 75 watt	SB683	703,50	140 m³	40 m³/hr



TMC POND CLEAR CLASSIC UV UNITS (TL-LAMP)

code 805

The Pond Clear UV6 has transparent staggered hose tails 1/2" to 13/20/25 mm. Maximum working pressure 0,7 bar. Cable included.

TYPE	ARTNR.	EURO	MAX. POND VOLUME	MAX. PUMP SPEED
Pond Clear UV6 / 6 watt TL	SB760	59,00	2.700 ltr	1.365 ltr/hr



TMC NEW POND CLEAR ADVANTAGE UV UNITS (TL-LAMP)

code 805

Supplied with screws for wall-mounting and filter covers. Staggered hose tails (13/20/25/32mm) and 1 1/2" in- and outputs for minimum resistance. Maximum working pressure 0,7 bar. Solid construction. Designed for long life. 5 meters cable included. 3 years guarantee.

TYPE	ARTNR.	EURO	MAX. POND VOLUME	MAX. PUMP SPEED
Pond Clear Advantage 8 watt	SB767	87,70	5.400 ltr	2.700 ltr/hr
Pond Clear Advantage 15 watt	SB768	96,00	13.000 ltr	6.800 ltr/hr
Pond Clear Advantage 16 watt	SB769	109,00	14.400 ltr	7.200 ltr/hr
Pond Clear Advantage 25 watt	SB771	115,00	18.000 ltr	9.000 ltr/hr



TMC PRO CLEAR ADVANTAGE UV UNITS (TL-LAMP)

code 805

The Pro Clear UV30 and UV55 allow a high flow rate and are fitted with transparent staggered hose tails 1 1/2" to 25/32/40mm. Maximum working pressure 0,7 bar. Cable included.

TYPE	ARTNR.	EURO	MAX. POND VOLUME	MAX. PUMP SPEED
Pro Clear Advantage UV30	SB772	199,30	27.000 ltr	13.500 ltr/hr
Pro Clear Advantage UV55	SB774	225,35	45.000 ltr	18.000 ltr/hr



TMC PRO POND UV 110 (TL-LAMP)

code 805

The new version of the popular and reliable, Pro Pond 110. A new electrical part has been mounted as a tube between the lamps, which makes the lamp more compact and lighter. Operational pressure 3 bar. Standard 63mm and 2 inch solvent connection.

TYPE	ARTNR.	EURO	MAX. POND VOLUME	MAX. PUMP SPEED
Pro Pond 110	SB778	379,00	72.000 ltr	36.000 ltr/hr



OASE BITRON UVC-UNITS

code 722

Equipped with a cleaning rotor, which, propelled by water, continuously goes around the quartz glass tube. This is done to keep the tube clean for an optimal functioning of the UV-C radiation (see drawing). Can be assembled onto all biotec filters. All models have a control light or window to check if the light is burning.

TYPE	ART. NR.	EURO	HOSE-TAIL	OUTPUT 2 X	MAX. PUMP m³/hr.	FLOW WITHOUT BYPASS
Bitron 11C	RD924	179,00	3/4" - 1 1/2"	3/4" - 1 1/2"	5,5	1,7m³/hr.
Bitron 18C	RD925	239,00	1" - 1 1/2"	3/4" - 1 1/2"	15	2,2m³/hr.
Bitron 24C	RD926	299,00	1" - 1 1/2"	3/4" - 1 1/2"	15	3,5m³/hr.
Bitron 36C	RD927	349,00	3/4" - 2"	3/4" - 1 1/2"	30	4,5m³/hr.
Bitron 55C	RD928	379,00	3/4" - 2"	3/4" - 1 1/2"	30	6,5m³/hr.



MULTIMAX AQUARIUM UV-C UNIT

code 805

Clear water without chemicals. Your aquarium becomes clear and it keeps fungus, bacteria- and algae under control. Safe for fish and plants. Universal hose tails of 9/12/16 mm included.

TYPE	ARTNR.	EURO	MAX. TANK VOLUME	MAX. PUMP SPEED
Multimax Aquarium 500 5 watt PL	SB870	76,65	500 ltr	1.000 ltr/hr.
Multimax Aquarium 1250 9 watt PL	SB872	80,85	1250 ltr	1.500 ltr/hr.
Multimax Aquarium 2000 11 watt PL	SB874	87,15	2000 ltr	2.000 ltr/hr.

AQUARIUM PL-LAMP

titanium sleeve,
no more erosion!

for salt & fresh water!



ECONOMY UV-C UNIT (PL LAMP)

code 805

ABS shell, 3 meter cable, very low price! Incl. hose tail.

TYPE	ARTNR.	EURO	MAX. POND VOLUME	MAX. PUMP SPEED
5 watt Economy	SB808	45,00	2.500 ltr	1.250 ltr/hr.
9 watt Economy	SB810	47,00	7.000 ltr	3.500 ltr/hr.
11 watt Economy	SB812	49,00	10.000 ltr	5.000 ltr/hr.

ECONOMY PL-LAMP



MULTIMAX UV-C UNIT

code 805

Integrated ballast. Stainless steel sleeve, no more erosion. 5 year guarantee

TYPE	ARTNR.	EURO	MAX. POND VOLUME	MAX. PUMP SPEED
Multimax 5 watt	SB827	72,95	2.500 ltr	1.250 ltr/hr.
Multimax 9 watt	SB828	77,70	7.000 ltr	3.500 ltr/hr.
Multimax 11 watt	SB829	81,90	10.000 ltr	5.000 ltr/hr.

PL-LAMP



UV-C UNIT (TL LAMP)

code 805

All UV-lamps are shipped complete with brackets and hose tails. Max pressure: 3 bar. Supplied with universal 1" hose tails for connection to all sizes from 9 mm to 32 mm.

TYPE	ARTNR.	EURO	MAX. POND VOLUME	MAX. PUMP SPEED
UV-C 5.000 / 10 Watt TL	SB860	76,55	5.000 ltr	3.000 ltr/hr.
UV-C 10.000 / 15 Watt TL	SB862	79,00	10.000 ltr	5.000 ltr/hr.
UV-C 20.000 / 25 Watt TL	SB864	89,45	20.000 ltr	8.000 ltr/hr.
UV-C 30.000 / 30 Watt TL	SB856	124,40	30.000 ltr	10.000 ltr/hr.
UV-C 55.000 / 55 Watt TL	SB858	158,85	55.000 ltr	10.000 ltr/hr.

TL-LAMP



UV-C UNIT WITH PL LAMP TYPE REFLEX

code 805

The interior of the housing is covered with a reflecting layer for reflection of UVC radiation for better results.

TYPE	ARTNR.	EURO	MAX. POND VOLUME	MAX. PUMP SPEED
UV-C Reflex 9 Watt	SB814	108,15	7.000 ltr	3.500 ltr/hr.
UV-C Reflex 11 Watt	SB815	119,30	10.000 ltr	5.000 ltr/hr.
UV-C Reflex 18 Watt	SB816	166,95	20.000 ltr	10.000 ltr/hr.
UV-C Reflex 36 Watt	SB817	192,15	35.000 ltr	17.000 ltr/hr.

REFLEX PL-LAMP



KOI UV-C UNIT WITH TL LAMP

code 805

Standard equipped with 3/3 unions 63mm.

TYPE	ARTNR.	EURO	MAX. POND VOLUME	MAX. PUMP SPEED
KOI UV-C 30.000 30 Watt	SB854	163,80	30.000 ltr	17.000 liter/hr.
KOI UV-C 55.000 55 Watt	SB855	177,45	55.000 ltr	20.000 liter/hr.

TL-LAMP



SPARE PARTS UVOX 250

code 370

TYPE	ARTNR.	EURO
Replacement lamp UVOX 250 (100 watt)	MD304	150,00
Replacement Quartz tube UVOX 250	MD306	105,00

SPARE PARTS FOR BIO-UV UNITS

code 805

TYPE	ARTNR.	EURO
TL replacement lamp UV10	SB660	120,60
TL replacement lamp UV20	SB661	128,80
TL replacement lamp UV30	SB662	164,25
TL replacement lamp UV40	SB663	182,80
Quartz sleeve for UV10	SB665	116,50
Quartz sleeve for UV20	SB666	126,90
Quartz sleeve for UV30	SB667	151,70
Quartz sleeve for UV40	SB668	191,30



SPARE PARTS FOR DELTA-UV UNITS

code 840

TYPE	ARTNR.	EURO	TYPE	ARTNR.	EURO
TL replacement lamp EA-3H-5	SB640	71,60	Quartz sleeve for EA-3H-5	SB645	124,00
TL replacement lamp EA-3H-10	SB641	99,00	Quartz sleeve for EA-3H-10	SB646	149,00
TL replacement lamp EA-4H-10	SB641	99,00	Quartz sleeve for EA-4H-10	SB647	171,00
TL replacement lamp EA-4H-20	SB642	120,50	Quartz sleeve for EA-4H-20	SB648	183,00
TL replacement lamp EA-4H-40	SB643	149,00	Quartz sleeve for EA-4H-40	SB649	199,00

SPARE PARTS JUMBO KOI STAINLESS STEEL UVC-UNITS

code 805

TYPE	ARTNR.	EURO
TL replacement lamp 16 watt T5	SB690	31,45
TL replacement lamp 40 watt T5	SB691	41,45
TL replacement lamp 75 watt T5	SB692	73,50

UV-C TL LAMPS ORIGINAL TMC

code 805

TYPE	ARTNR.	EURO	LENGTH	QNT.
UV-TL 4w	SB700	7,25	136mm	25 pieces
UV-TL 6w	SB702	7,60	212mm	25 pieces
UV-TL 8w	SB704	7,70	289mm	25 pieces
UV-TL 15w	SB710	9,50	437mm	20 pieces
UV-TL 16w	SB711	8,95	289mm	50 pieces
UV-TL 25w	SB712	11,50	437mm	25 pieces
UV-TL 30w	SB714	13,75	895mm	10 pieces
UV-TL 55w	SB718	22,25	895mm	10 pieces



TMC

UV-C TL LAMPS ORIGINAL PHILIPS LONG LIFE

code 805

TYPE	ARTNR.	EURO	LENGTH	QNT.
UV-TL 8w	SB705	8,80	289mm	25 pieces
UV-TL 10w	SB706	11,00	330mm	25 pieces
UV-TL 11w	SB708	12,55	211mm	25 pieces
UV-TL 15w	SB709	12,85	437mm	25 pieces
UV-TL 25w	SB713	13,60	437mm	25 pieces
UV-TL 30w	SB715	18,60	895mm	25 pieces
UV-TL 55w	SB719	28,20	895mm	6 pieces



PHILIPS

UV-C PL LAMPS ECONOMY

code 805

TYPE	ARTNR.	EURO	QNT.
PL-lamp 5 watt	SB833	5,95	10 pieces
PL-lamp 9 watt	SB834	6,65	10 pieces
PL-lamp 11 watt	SB835	7,25	10 pieces



ECONOMY

UV-C PL LAMPS ORIGINAL TMC

code 805

TYPE	ARTNR.	EURO	QNT.
PL-lamp 5 watt	SB838	7,80	10 pieces
PL-lamp 9 watt	SB840	10,50	10 pieces
PL-lamp 11 watt	SB841	12,75	10 pieces



TMC

UV-C PL LAMPS ORIGINAL PHILIPS

code 805

TYPE	ARTNR.	EURO	QNT.
PL-lamp 5 watt	SB836	8,95	10 pieces
PL-lamp 9 watt	SB837	11,85	10 pieces
PL-lamp 11 watt	SB839	13,80	10 pieces
PL-lamp 18 watt	SB842	29,15	25 pieces
PL-lamp 36 watt (+ 72 watt)	SB843	37,60	25 pieces
PL-lamp 55 watt (+ 110 watt)	SB844	45,00	1 piece



PHILIPS

QUARTZ SLEEVES TL LAMPS

code 805

TYPE	ARTNR.	EURO	SIZE
Quartz TMC Model 6 watt	SB731	11,80	Ø20 x 185mm
Quartz TMC Model 8 + 16 watt	SB732	13,00	Ø20 x 262mm
Quartz TMC Model 15/25 watt	SB733	18,90	Ø30 x 420mm
Quartz TMC Model 30/55 watt	SB734	34,30	Ø30 x 871mm
O-rings (2 x) for TMC kwartglas 6-8-16 watt	SB745	1,27	-
O-rings (2 x) for TMC Quartz 15/25/110 watt	SB746	1,27	-
O-rings (2 x) for TMC Quartz 30/55 watt	SB740	1,45	-
Quartz UVC TL Lamp 10 watt	SB866	12,60	Ø31 x 280mm
Quartz UVC TL Lamp 15/25 watt	SB867	13,75	Ø31 x 385mm
Quartz UVC TL Lamp 30/55 watt	SB869	25,10	Ø31 x 844mm
O-rings (2 x) for UVC-TL	SB868	4,25	-



FOR TL-LAMPS

QUARTZ SLEEVES PL LAMPS

code 805

TYPE	ARTNR.	EURO
Quartz 5 watt UVC PL	SB847	14,80
Quartz 9 watt UVC PL	SB848	16,55
Quartz 11 watt UVC PL	SB849	19,45
Quartz 18 watt UVC PL	SB850	26,85
Quartz 36 watt (+ 72 watt) UVC PL	SB851	36,15
Quartz 55 watt (+ 110 watt) UVC PL	SB852	48,15
O-ring for Quartz PL 9 t/m 55 watt	SB845	1,26



FOR PL-LAMPS

AIRPUMP SCHEGO

code 809

Quality air pump from Germany for aquaria and ponds, very silent membrane pump.

TYPE	ARTNR.	EURO	LTR/Hr.	Adjustable	WATT
Ideal	SC152	17,50	150	NO	5
Optimal	SC154	22,70	250	YES	5
M2K3	SC156	39,75	350	YES	5



AIR PUMP

code 809

Air pump in full colour package complete with air hose(s) and air stone(s). 1 year guarantee on electrical parts (not on membranes)

TYPE	ARTNR.	EURO	OUTPUT LTR/HOUR	AIR HOSE	MAX. PRESSURE	WATT
Air Set 1	SC270	8,90	150 ltr	1x10 mtr	0,012 mpa	2,5
Air Set 2	SC272	21,80	360 ltr	2x10 mtr	0,012 mpa	3,5



AIR PUMP WITH BATTERY BOYU

code 809

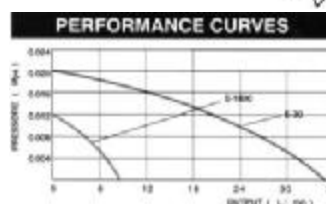
Microcomputer operated A/C and D/C function for 220VAC and 12VDC (Battery)!!

The internal battery automatically charges in 12 hours and assures 12 hours of operation in case of power failure or for transportation. The microcomputer calculates the charge and discharge of the battery. These pumps are equipped with a Discontinue function, which interrupts the pumps with 3 sec intervals. This prolongs battery life and assures less power consumption under normal conditions. The S-1800 has 2 outputs.

Also equipped with a 12 V adapter connection (e.g. for car adapter)

- 1 year warranty on electrical parts (not on membranes)
- low noise operation
- high efficiency
- low power consumption

TYPE	ARTNR.	EURO	OUTPUT LTR/MIN	MAX PRESSURE	WATT
S-1800	SC144	63,10	8 ltr	0,012 mpa	8



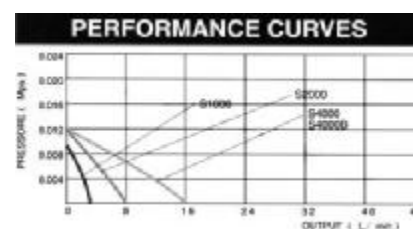
AIR PUMP BOYU

code 809

High quality air pumps for aquariums and ponds.

The pump operates without oil, low noise, and very economical in purchase as well as in operation. Adjusts the needed energy electronically for higher efficiency and lower power consumption. 1 year guarantee on electrical parts (not on membranes).

TYPE	ARTNR.	EURO	OUTPUT LTR/MIN	MAX PRESSURE	WATT	ADJUST-ABLE	OUT-PUTS
S-1000	SC137	8,30	3 ltr	0,012 mpa	3,5	no	1
S-2000	SC138	12,40	8 ltr	0,012 mpa	8	no	2
S-4000B	SC139	20,40	16 ltr	0,012 mpa	15	yes	4
S-4000	SC140	21,75	16 ltr	0,012 mpa	15	no	4



AIR PUMP DY-SERIES

code 809

DongYang has been producing air pumps of excellent quality for 40 years for industrial and medical applications. The design of the pumps is simple but good. The pumps are efficient, powerful and oil-free. The pumps have been used in aquaculture, ponds and aquariums for several years now. CE certified, 2 years full guarantee. Manifold not included.

TYPE	ARTNR.	EURO	AIRFLOW @ 1,2 metre	AIRFLOW @ 2 metre	OUTPUT	MAX PRESSURE	WATT
DY-20	SC320	59,00	21 ltr/min	14 ltr/min	18 mm	0,34 Kg/cm ²	30
DY-40	SC322	95,00	45 ltr/min	40 ltr/min	18 mm	0,42 Kg/cm ²	37
DY-60	SC324	122,50	60 ltr/min	47 ltr/min	18 mm	0,50 Kg/cm ²	60
DY-80	SC325	149,00	78 ltr/min	60 ltr/min	18 mm	0,50 Kg/cm ²	94
DY-120	SC326	239,00	143 ltr/min	130 ltr/min	25 mm	0,37 Kg/cm ²	130
DY-160	SC328	279,00	166 ltr/min	152 ltr/min	25 mm	0,42 Kg/cm ²	160



STRONGLY REDUCED
IN PRICE!

AIR PUMP HI-BLOW ALITA

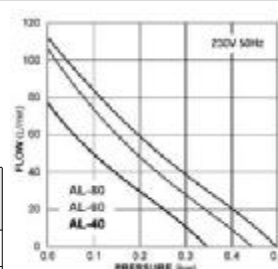
code 809

The Hi-blow Alita is the most reliable and powerful pump in its price class. Manifold not included.

Excellent quality with a 3 years full warranty!

New model AL-80FD (Failure Detection) features additional circuit for diaphragm failure detection.

TYPE	ARTNR.	EURO	AIRFLOW @ 1,2metre	AIRFLOW @ 2 metre	OUTPUT	MAX PRESSURE
AL-40	SC340	139,00	40 ltr/min.	30 ltr/min.	18 mm	0,35 Kg/cm ²
AL-60	SC342	175,00	60 ltr/min.	50 ltr/min.	18 mm	0,40 Kg/cm ²
AL-80FD	SC345	225,00	70 ltr/min.	60 ltr/min.	18 mm	0,50 Kg/cm ²



STRONGLY REDUCED
IN PRICE!



TOSHI AIRPUMPS

code 809

The Korean brand Toshi, produces a very high quality air pump with Japanese technology.

Each pump is individually tested, has a serial number and has its own testing report. 2 YEAR GUARANTEE.

Especially designed for:

- low noise level (32 - 44 dB) - long life expectancy, high quality rubber membranes!
- complete series of powerful pumps, high efficiency

TYPE	ART. NR.	EURO	AIRFLOW @1,3 meter	AIRFLOW @1,3 meter	OUTPUT	WATT	KG	dB
ASP-30	SC360	149,00	32 ltr	23 ltr	18mm	26	6,2	32
ASP-40	SC361	167,00	43 ltr	30 ltr	18mm	41	6,2	33
ASP-60	SC362	194,00	60 ltr	33 ltr	18mm	50	6,2	34
ASP-80	SC363	255,00	80 ltr	40 ltr	18mm	60	8	38
ASP-100	SC364	289,00	100 ltr	50 ltr	18mm	85	8	38
ASP-120	SC365	349,00	126 ltr	113 ltr	18mm	105	8,6	40
ASP-140	SC366	429,00	160 ltr	133 ltr	18mm	125	8,6	42
ASP-160	SC367	475,00	180 ltr	150 ltr	18mm	150	8,6	44



NITTO PISTON PUMP

code 809

Very reliable, economical, low noise, oil free air pump. It is piston operated (instead of membrane).

High air pressure to max depth of 2 metres. 1 year full warranty.

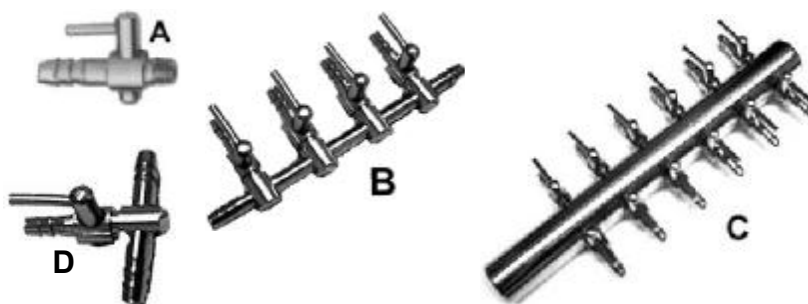
TYPE	ART. NR.	EURO	AIRFLOW @ 1,5 meter	AIRFLOW @ 2 meter	Output	WATT	KG
LA-28	SC110	172,50	23 ltr	17 ltr	18mm	29	2,9
LA-45	SC112	199,00	43 ltr	27 ltr	18mm	47	3
LA-60	SC113	265,00	63 ltr	35 ltr	18mm	64	5
LA-80	SC114	295,00	88 ltr	56 ltr	18mm	86	5,3
LA-120	SC116	485,00	144 ltr	110 ltr	26mm	130	9,4



CHROMED BRASS MANIFOLDS 4 MM

code 809

MODEL	ARTNR.	EURO	TYPE
1 way valve	SC216	0,95	A
2 way valve	SC217	0,95	D
3 way valve	SC218	2,00	B
5 way valve	SC220	3,40	B
6 way valve	SC222	7,95	C
10 way valve	SC224	10,60	C
12 way valve	SC226	12,40	C
18 way valve	SC228	16,50	C



CHROMED BRASS MANIFOLDS 6MM

code 809

Chromed manifolds 6 mm with a valve.

TYPE	ARTNR.	EURO
6 way valve	SC263	19,20
10 way valve	SC264	31,80

6 mm



CHROMED BRASS MANIFOLDS 8MM

code 809

Chromed manifolds 8 mm with a valve.

TYPE	ARTNR.	EURO
4 way valve	SC265	15,50
6 way valve	SC266	22,80
8 way valve	SC267	30,00

8 mm



ONE WAY 9MM VALVE

code 809

Universal set of fittings with elbow (18 mm internal), ball valve, hose tail 9 mm and two clips. Suitable a.o. for Hiblow 40/60/80 en DY20/40/60/80.

TYPE	ARTNR.	EURO
1 way valve	SC214	6,60



MODULAR MANIFOLD FOR 9 MM HOSE

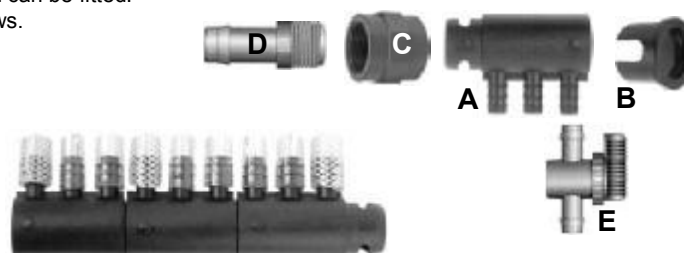
code 809

Connectable ABS manifold with 3 outputs and with 9 mm connection. Can be glued.

The end of the manifold system (A) is glue-capped (B); the manifold is attached to the air pump with a threaded adaptor socket (C) to 3/4" in which a standard hose tail (D) or 3/4" to 20 or 25mm can be fitted.

Use 9 mm valves (E) to close or adjust the individual airflows.

TYPE	ARTNR.	EURO	PACK
3 way manifold (A)	SC275	1,60	50
End cap for manifold (B)	SC276	1,20	50
Threaded adaptor socket (C)	AB132	1,55	-
Hose tail 3/4" x 19mm (D)	SE124	1,02	-
Valve 2 x 9mm hose tail (E)	SE220	2,60	-



PLASTIC MANIFOLDS 4MM

code 809

DESCRIPTION	ARTNR.	EURO	CONNECTIONS
6 outputs without valve	SC182	0,98	inlet 9mm, output 6 x 4mm
8 outputs without valve	SC183	1,09	inlet 9mm, output 8 x 4mm
10 outputs without valve	SC184	1,13	inlet 9mm, output 10 x 4mm
12 outputs without valve	SC186	1,25	inlet 9mm, output 12 x 4mm
16 outputs without valve	SC188	1,54	inlet 12mm, output 16 x 4mm



SILICONE AIRHOSE 4MM

code 509

Very flexible en strong air hose on cardboard reel.

SIZE	ARTNR.	EURO	MTR
Silicone air hose 4 x 6 mm	KA239	0,20	100

SILICONE



CLEAR PVC (AIR)HOSE TYPE KRISTAL

code 509

SIZE MM	ART. NR.	EURO/ MTR	MTR/ ROLL	SIZE MM	ART. NR.	EURO/ MTR	MTR/ ROLL
4 x 6 clear	KA240	0,18	25 mtr!	12 x 16 clear	KA272	0,86	50
4 x 6 clear	KA244	0,18	100	12 x 16 green	KA433	0,91	50
4 x 6 green	KA430	0,20	100	16 x 20 clear	KA280	1,09	50
6 x 8 green	KA431	0,26	100	16 x 22 clear	KA282	1,77	50
9 x 12 clear	KA266	0,49	50	18 x 22 clear	KA283	1,24	50
9 x 12 green	KA432	0,51	50	18 x 24 clear	KA285	1,93	50
9 x 12 black	KA438	0,51	100	20 x 24 clear	KA288	1,35	50



4 MM AIR HOSE CONNECTORS

code 666

TYPE	ARTNR.	EURO	TYPE	ARTNR.	EURO
4 x 4 mm straight connector	NH672	0,14	Straight 4 mm x M4 barb	NH680	0,14
4 x 4 mm 90° bend	NH674	0,27	Valve M4 barb x M4 barb	NH700	0,89
4 x 4 x 4 mm "T"	NH676	0,27	Valve M4 barb x 4 mm hose tail	NH702	0,89
4 x 4 mm cross piece	NH678	0,51	Valve 2 x 4 mm hose tail	NH704	0,89

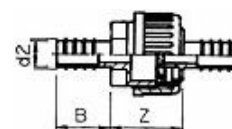


PVC CHECKVALVE WITH HOSETAIL

code 145

Check valve for hose. Also suitable for air pumps.

SIZE	ARTNR.	EURO	B	Z	PACK
13mm (1/2")	AG120	2,78	50	28	200
17mm (5/8")	AG122	2,84	50	28	200
21mm (3/4")	AG124	2,98	50	28	200



NON-RETURN VALVE 4 MM

code 809

Prevents water from entering the air pump.

TYPE	ARTNR.	EURO
4 mm valve Boyu	SC177	0,69

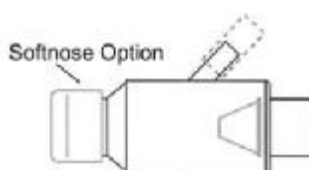


AQUA JET VENTURI 2000

code 809

Venturi with 50 mm glue-connection. Can be installed inside or outside the pond. MAXIMUM depth 2 meters. With air hose and reduction fittings. Now also available: Soft nose for damage prevention when end is submerged in the pond.

TYPE	ARTNR.	EURO
Aqua Jet	SC240	14,50
Softness protection	SC239	3,95

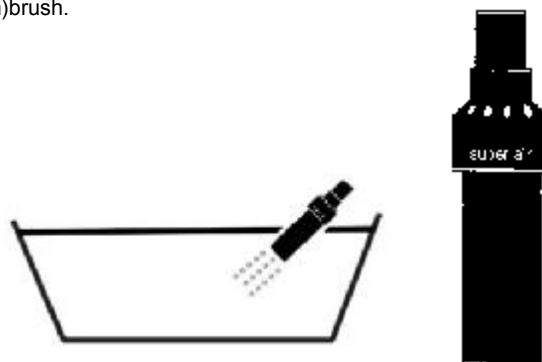


SUPER AIR AERATOR

code 809

The Super Air is a pond aerator that requires less pump pressure than the regular Venturis. With a Venturi, as much as 50% of water flow may be lost, whereas with a Super Air the loss will only be 10 to 20%. The secret lies in the special Stainless Steel grid onto which the water flow passes at increased velocity. The form of the grid causes optimal turbulence and mixing of water and air, providing efficient oxygen exchange. Tests have shown that the yield (= oxygen uptake in water) in a Super Air is noticeably higher than in a normal Venturis with a reduced loss of water flow. **APPLICATION:** The Super Air must be placed at an angle of $\pm 45^\circ$, with the grid fully submerged. Make sure that the air intake is completely above water. It is also possible to instal the unit with the output above the water surface. Sometimes this is recommended when starting a new pond or filter, in quarantine and hospital tanks and in tanks with very heavy fish loads where ammonia and nitrite may occur due to insufficient biomass in the filters. The Super Air can separate part of those gasses. Placing the output above water level causes the gasses to be blown off into the air. **ATTENTION:** The Super Air is very sensitive for clogging of the grid by string algae (blanket weed). Some form of pre-filtration is therefore recommended to ensure continuous operation. The grid needs to be cleaned regularly with a (tooth)brush.

TYPE	ARTNR.	EURO	SIZE	FLOW RATE
Superair 25	SC200	59,40	25 mm	1.800 - 3.000 ltr/hr
Superair 32	SC202	61,00	32 mm	3.000 - 5.500 ltr/hr
Superair 40	SC204	63,00	40 mm	5.000 - 8.000 ltr/hr
Superair 50	SC206	77,20	50 mm	7.000 - 11.000 ltr/hr
Superair 63	SC208	99,00	63 mm	10.000 - 16.000 ltr/hr
Superair 75	SC210	133,00	75 mm	14.000 - 22.000 ltr/hr



BOTTOM AERATION

code 809

Bottom drain ("heavy duty") with a rubber membrane dome (type 1) for the aeration of ponds. Diameter of the dome is 38 cm (air membrane Ø34cm). Recommended air flow is ± 20 ltr per metre water depth. Type 2 is a "free standing unit" aerator. Type 3 is an aerated dome to fit on existing bottom drain. **NOTE:** you can use the aerated dome on every bottom drain! The pipe connection to connect it to the dome is 50mm and 48,3 mm (English 1½ inch). Airhose adaptor 9mm.

TYPE	ARTNR.	EURO
Complete bottom drain with aeration lid (1)	SC280	109,00
Free standing bottom aeration (2)	SC281	97,00
Aerated dome for 48,3 (1½") & 50mm (3)	SC282	89,00

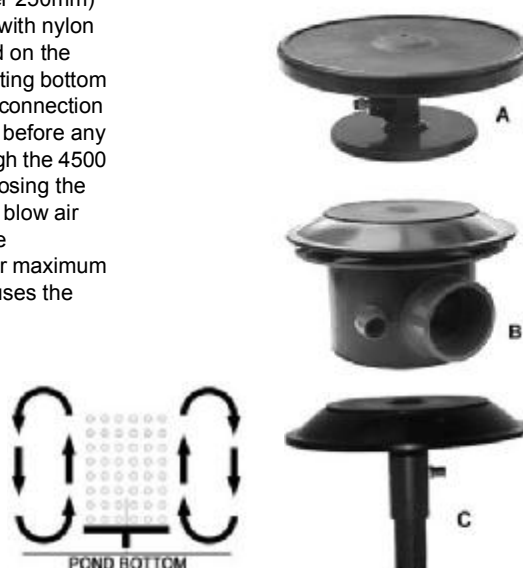


SPINDRIFTER POND AERATOR

code 809

The Spin drifter Pond Aerator consists of a EPDM rubber membrane (diameter 250mm) mounted on a Polypropylene disk. The aerator is mounted on a steel support with nylon coating and weighs 5 kg in total. The Pond Aerator was designed to be placed on the bottom of the pond. The Aerated Dome was designed to be installed in an existing bottom drain and the Aerated Bottom Drain is a complete bottom drain with separate connection for the air hose. When air is blown into the membrane, the membrane inflates before any air bubbles are apparent. When it is fully inflated, air bubbles will escape through the 4500 slits. When the airflow is interrupted, the membrane deflates and collapses, closing the slits before any water can flow back into the aerator. The required pressure to blow air through the slits in the membrane is 20 mbar at the recommended airflow. The recommended airflow in a koi pond is 20 ltrs/minute/metre depth per aerator for maximum oxygen exchange to the water. The drawing below shows how the aerator causes the water to circulate inside the pond.

TYPE	ARTNR.	EURO
Pond Aerator (10mm air hose connection) (A)	SC250	121,30
Aerated Bottom Drain with 32 mm input for 10mm air hose (B)	SC252	354,00
Aerated Dome for standard bottom drain 110 with 48,3 mm connection (C) (10 mm air hose connection)	SC254	156,55
Aerated Dome for standard bottom drain 110 with 50 mm connection (10 mm air hose connection) (C)	SC256	156,55



PROFESSIONAL MEMBRANE AERATION

code 809

Professional rubber membrane aerators.
Suitable for industrial applications and for pond aeration.

TYPE	ARTNR.	EURO	OUTPUT
Disk 25cm, 3/4" male threaded	SC260	42,50	10 - 150 l/min
Tube 60 x 6,5 cm, 3/4" female threaded	SC262	56,00	30 - 260 l/min



AIR STONES HI-OXYGEN

code 809

Excellent quality grey/blue air stones, hardened with an aluminium alloy at high temperature (1300°C). The stones are very porous and produce very fine air bubbles for optimal aeration. Corrosion-free and shock-resistant.
Suitable for oxygen, air, seawater and ozone in ponds, aquaculture, ozone generators and medical applications.

TYPE	ARTNR.	EURO	OUTPUT	AIRHOSE	BOX
Round 3,2 cm (A)	SC232	0,90	0,5 - 1 l/min	4 mm	360/45
Round 5 cm (A)	SC234	1,40	1 - 2 l/min	4 + 9 mm	192/12
Disc 10 cm (B)	SC235	6,25	1 - 2 l/min	4 + 9 mm	80/10
Disc 13 cm (B)	SC236	7,90	2 - 4 l/min	4 + 9 mm	60/10
Disc 20 cm (B)	SC237	23,50	10 - 25 l/min	9 mm	14/1
Cylinder Ø 1,5 x 7 cm (C)	SC241	2,15	1 - 2 l/min	4 mm	
Cylinder Ø 3 x 8 cm (D)	SC242	3,80	1 - 2 l/min	4 + 9 mm	56/14
Cylinder Ø 3 x 13 cm (E)	SC243	5,20	2 - 4 l/min	4 + 9 mm	40/10
Cylinder Ø 4 x 17 cm (F)	SC244	11,95	10 - 15 l/min	4 + 9 mm	40/10
Cylinder Ø 4 x 22 cm (F)	SC245	14,80	15 - 20 l/min	4 + 9 mm	40/10
Cylinder Ø 4 x 30 cm (F)	SC246	26,00	20 - 25 l/min	9 mm	25/5

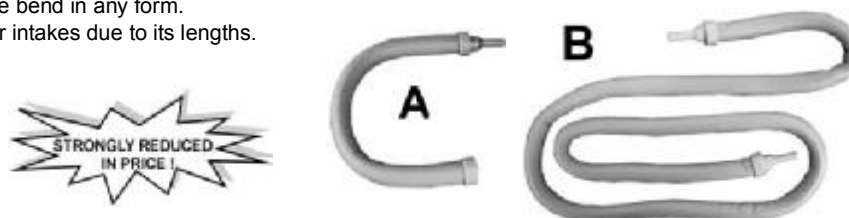


AIR CURTAIN

code 809

Provides a very fine air diffusion and can be bend in any form.
Connection 4 mm. Type B is fitted with 2 air intakes due to its lengths.

TYPE	ARTNR.	EURO	TYPE
20 cm	SC194	1,10	A
45 cm	SC195	2,90	A
60 cm	SC196	3,90	B
90 cm	SC197	5,40	B



ECONOMY AIRSTONES

code 809

Normal compressed air stones for general use.
The colour of the air stones can vary.

TYPE	ARTNR.	EURO	OUTPUT	AIRHOSE
Cylinder 3 cm (1)	SC160	0,15	0,5 - 1 l/min	4 mm
Cylinder 5 cm (2)	SC164	0,57	1 - 3 l/min	4 mm
Round 2,5 cm (3)	SC163	0,18	0,6 - 1,2 l/min	4 mm
Round 5 cm (4)	SC165	0,68	1 - 3 l/min	4 mm
Bar 10 cm (7)	SC168	0,42	0,5 - 1 l/min	4 mm
Bar 15 cm (8)	SC170	0,58	1 - 2 l/min	4 mm
Bar 30 cm (9)	SC172	1,15	1 - 4 l/min	4 mm



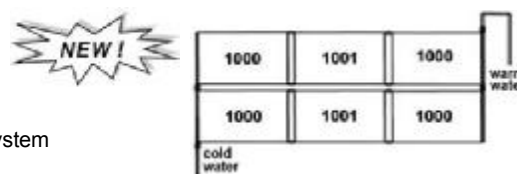
OKU-POOL-SOLARPANELS

code 809

You know the problem: a swimmingpool/pond without extra heating is only pleasantly warm for about 3 to 4 weeks during the summer - a very short amount of time compared to the high investment and high maintenance a pool requires. An indoor pool even needs to be heated the complete year, which, considering the conventional energy sources, costs a lot of money and is not very environmental friendly. There is an other possibility! The heating of pools is the perfect application for the free and environmental friendly solar energy. Because no high temperatures are needed, but relatively a large amount of water needs to be heated, it is very effective to operate these installations at a high flow rate and on a relatively low temperature. OKU collectors are moulded in one piece and are colored homogeneous black. The system can normally be used with the existing filter pump. Corrosion and pool water resistant. The (pool)water is pumped directly through the collectors. OKU collectors are frost resistant and can hold human weight.

There are 3 easy connection variations:

1. with the filterpump over a automatic 3-way ball valve with thermostat
2. with an own pump and thermostat in a circular flow
3. with an own pump, thermostat and plumbing, disconnected from the filter system



See table on the right for the recommended collector size in % of the pool size for outdoor pools with covers or indoor pools (beginning of may up to september). Temperature increase 4 - 7°C in comparison with not heated pools. Without a cover the collector size ought to be 50% bigger. The local differences in hours of sun per day can in- or decrease the collector size with 20%.

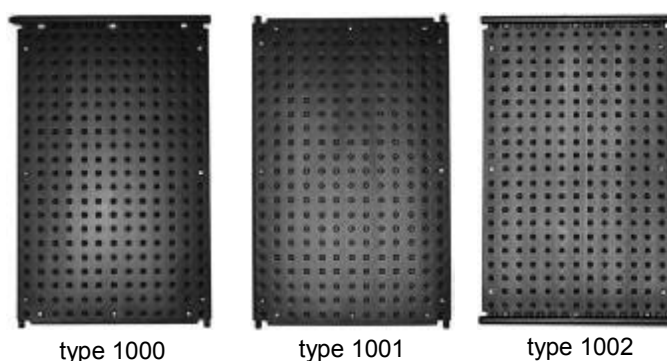
Angle of inclination	Direction of inclination				
	E	SE	S	SW	W
90 °	90	80	70	75	85
60 °	80	65	55	60	70
45 °	70	60	50	55	65
30 °	60	55	45	50	55
15 °	55	50	50	50	55
0 °	50	50	50	50	50

Absorber area in % of Pool surface

Pumps: recommended flow rate is 150 up to 250 litres per m² collector surface per hour. The recommended capacity of the pump can be easily calculated: the collector surface x 200 litres. The pressure loss can be determined by taking the difference in height between the water level and collectors and add 5 meter.

Technical specifications

Very low pressure loss: $\pm 0,003$ bar at 200 litres/hour per m²
 Flow rate: 150 - 250 litres/hour per m²
 Weight: app. 6 kg/m² - water volume 6 litres/m²
 Max. press.: 4,5 bar. Operating press.: 1,2 bar at 40°C
 Output: up to app. 85% - capacity up to 0,85 Kwh/m²
 Average output: 0,5 - 0,6 Kwh/m²
 Temperature resistant from -50°C up to +115°C.



TYPE	ARTNR.	EURO	SIZE (L x W)	M ² SIZE
Type 1000 with integrated collector tube Ø40mm and 2 connections Ø25mm	SC600	115,00	1320mm x 820mm	1,08m ²
Type 1001 with 4 connections Ø25mm	SC602	115,00	1320mm x 820mm	1,05m ²
Type 1002 with integrated collector tube Ø40mm on both small sides	SC604	115,00	1320mm x 820mm	1,12m ²
Thermostat DIGISOL	SC610	270,00	-	-
3-way ball valve with 230V servo-engine	SC612	420,00	-	-
Connectionhose 25x3 x70 mm with 2 Stainless Steel hoseclips	SC614	3,20	-	-
Connectionhose 38x5 x60 mm with 2 Stainless Steel hoseclips	SC616	3,50	-	-
Air release valve for solar panel	SC618	13,50	-	-



PENTAIR MAXITEMP WARMTEPOMP

code 809

The heat pump makes use of energy from the air, is efficient and economical with energy, easy to install and occupies only a small space by the pool/pond. It is equipped with a scroll compressor for optimum efficiency, minimal vibration and long life. The R407C refrigerant is environmentally compatible and biodegradable.

The cabinet is made of stainless steel and the condenser, the heat exchanger, is made of titanium. The heat pump is installed outdoors, and is connected directly on the return pipe of the pool/pond.

TYPE	ARTNR.	EURO
Maxitemp 35	SC580	3750,00
Maxitemp 51	SC582	3950,00



Technical data	Maxitemp 35	Maxitemp 51
Recommended max. Pool size	40m³	75m³
Output at pool temperature 10°C *		
Input (kW)	1,2 kW	1,6 kW
Output (kW)	6,6 kW	9,5 kW
Coefficient of performance (COP)	5,5	5,9
Output at pool temperature 15°C *		
Input (kW)	1,3 kW	1,7 kW
Output (kW)	6,6 kW	9,4 kW
Coefficient of performance (COP)	5,1	5,5
Output at pool temperature 20°C *		
Input (kW)	1,4 kW	1,8 kW
Output (kW)	5,9 kW	8,5 kW
Coefficient of performance (COP)	4,2	4,7
Output at pool temperature 25°C *		
Input (kW)	1,5 kW	1,9 kW
Output (kW)	5,4 kW	8,4 kW
Coefficient of performance (COP)	3,6	4,4
Maximum flow	200 (l/min)	300(l/min)
Pressure drop	0,6	1,6
Pipe connection	50mm	50mm
Electrical connection	1-phase 230V/10A	1-phase 230V/16A
Sound level	58 dB	58 dB
Air flow	470 m3/h	700 m3/h
Length	870 mm	930 mm
Width	295 mm	340 mm
Height	700 mm	760 mm
Weight	47 kg	62 kg

*The figures stated are for an air temperature of 15-20°C

ELECRO KOI POND HEATERS

code 809

The first series of heaters ever designed especially for koi ponds. Digital thermostatic control and display. Heating element stainless steel reinforced with titanium. Main tank: stainless steel BS316. Internal flow adjustment, which shuts down the heater if the flow rate becomes insufficient, built-in High Limit Thermostat, Internal Fail Safe, manual reset thermostat, for positive safety. Available up to 8 Kilowatt. Min. flow rate 1m³/hour, max. 10m³/hour (use a bypass if flow rate exceeds 10m³/hour!). Max. press. 3 bar, connection 1½" female thread. Now also available with a timer for periodic heating or for day/night electricity rates.

TYPE	ARTNR.	EURO
1 kW, 230V, 5 amp.	SC500	495,00
1 kW, 230V, 5 amp. + TIMER	SC501	550,00
2 kW, 230V, 9 amp.	SC502	529,00
2 kW, 230V, 9 amp. + TIMER	SC503	589,00
3 kW, 230V, 13 amp.	SC504	555,00
3 kW, 230V, 13 amp. + TIMER	SC505	619,00
6 kW 400V (9 amp.)	SC507	775,00
8 kW 400V (13 amp.)	SC508	805,00



ELECRO KOI POND HEATERS TITANIUM

code 809

Super corrosion resistant! Suited for seawater and tropical marine aquaria. All parts that get into contact with seawater are made of Titanium. Digital temperature adjustment and display. Provided with an internal powers witch, which shuts of the heater when the flow is too low, build-in thermic protection against overheating of the heating element. Min. flow 1m³/hour, max. 10m³/hour. Max. pressure 3 bar. 1½" female threaded.

TYPE	ARTNR.	EURO
2 kW 230V (9 amp.)	SC488	690,00
3 kW 230V (13 amp.)	SC490	720,00
6 kW 400V (9 amp.)	SC494	1130,00
8 kW 400V (13 amp.)	SC496	1165,00

TITANIUM

SEAWATER
RESISTANT



PROFI HEATER POND HEATER

code 809

With thermostat (up to 40° C). Conn.: 1½" female. Includes: 2 hose tails 25/32/40mm and 2 male to plain 1 1/2" x 40mm. Stainless Steel sleeve on the inside.

TYPE	ARTNR.	EURO
Profi heater pond heater 1KW	SC514	155,40
Profi heater pond heater 2KW	SC515	165,90
Profi heater pond heater 3KW	SC516	177,45



PROFESSIONAL STAINLESS STEEL HEAT EXCHANGERS FOR PONDS AND SWIMMING POOLS

code 809

Stainless steel heat exchanger with high flow rate and little pressure loss. Should be installed only by competent central heating fitter. Not suitable for saltwater. All models have a 1" male thr. connection for hot water and 1½" male thr. connection for pond or swimming pool water (only model 230 has a 2" connection).

TYPE	ART. NR.	EURO	CAP.	WARM WATER FLOW	POND WATER FLOW	HEAD PRESSURE	SIZE W x L x H CM	KG
100	SC538	329,00	29 kW	40 ltr/min	6,6 m³/hr	0,6 MWK	11,5 x 21 x 14	3
130	SC540	369,00	38 kW	50 ltr/min	8,4 m³/hr	0,75 MWK	11,5 x 34 x 14	4,5
170	SC541	385,00	50 kW	68 ltr/min	11,4 m³/hr	0,9 MWK	11,5 x 47 x 14	6
230	SC542	473,00	67 kW	91 ltr/min	18 m³/hr	1,1 MWK	11,5 x 47 x 14	6

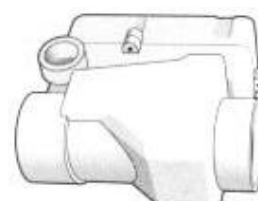


GRID CONTROL

code

Unit can be set to switch off the heater if water flow rate through the heater is insufficient. To be mounted in by-pass, internal glue connection of 1½" (48,2 mm). Maximum 25 amps 220 Volt. Horizontal installation only. Installation BEHIND the filter! Max. working pressure 3,5 bar. Switches on at 3,2 m3/hr, Switches off below 1,4 m3/hr.

TYPE	ARTNR.	EURO	CODE
Grid controls	SC544	79,00	809
Reducer socket 48,2 x 50mm	AA090	2,04	100



THERMOSTAT

code 809

Thermostat with Stainless steel housing for the control of heat exchangers.

TYPE	ARTNR.	EURO
Thermostat up to 40°C	SC530	79,00



FLOATING HEATERS

code 809

Stainless Steel heating element with floater for additional heating or for ice prevention in the pond. The element heats the water directly and is not harmful for fish. Including 10 metres of cable.

TYPE	ARTNR.	EURO
Schego 300 watt, length 25 cm	SC510	49,50
Schego 600 watt, length 35 cm	SC509	64,80

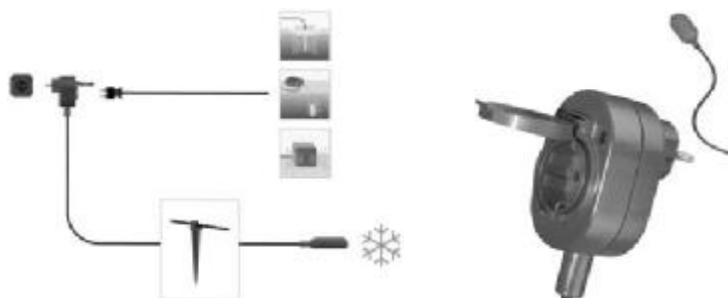


SCHEGO THERMOSTATIC PROTECTION

code 809

This peg-mounted thermostatic sensor has to be placed alongside the pond (not in the water!). It is set to activate the connected device, such as a pond heater, a circulation pump or an air pump, at 0 or 7 °C. The device discontinues after the frost. Prevents unnecessary power consumption. Includes 5 mtrs cable and peg.

TYPE	ARTNR.	EURO
Thermostatic protection 7°C	SC511	57,65
Frost protection 0°C max. 300 watt	SC512	52,00
Frost protection 0°C max. 600 watt	SC513	61,60

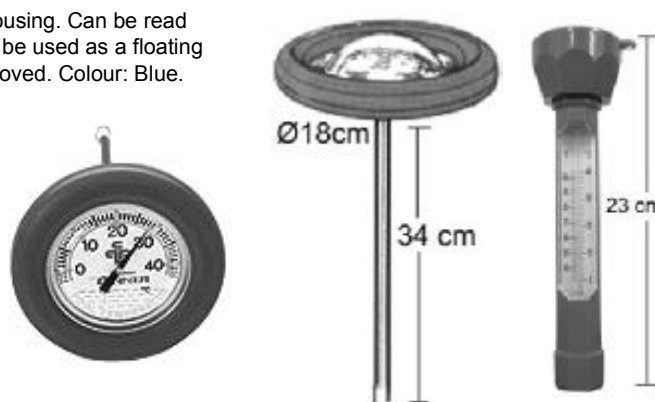


THERMOMETERS FOR PONDS AND SWIMMING POOLS

code 809

Model "lifebuoy" is a floating thermometer with stainless steel housing. Can be read without removing it from the water. The combi-thermometer can be used as a floating device and as a submerged device. The floating top can be removed. Colour: Blue.

TYPE	ARTNR.	EURO
Lifebuoy -5°C - +45°C	SC550	45,35
Combi-thermometer 0°C - +40°C	SC554	3,50



THERMOMETER

code 363

- accurate measuring (0,1°C), range from -20,0 up to 100,0 °C
- MB270 has a ballasted waterproof sensor with 3 mtrs of cable for readings at different depths
- MB271 has a peg with 1 meter cable.
- Easy 0,0°C cal-check. Complete with battery.

TYPE	ARTNR.	EURO
98509-01	MB270	61,25
98509	MB271	36,50



ICE PREVENTION

code 806

Ice prevention device in plastic carrying bag, also available with a connection for a pump on a venturi. This in order to keep the pond ice-free by blowing air into it.

TYPE	ARTNR.	EURO
Ice Preventor standard	SB304	7,00
Ice Preventor with venturi	SB306	8,75



BACTA-PUR® BACTIVATOR

code 812

The Bacta-Pur® BACTIVATOR is an automatic unit that conditions and activates Bacta-Pur® bio-technological products in a continuous process. The Bacta-Pur® BACTIVATOR contains a multi chamber bioreactor, in which bacteria are conditioned and grown on a continuous basis. The Bacta-Pur® BACTIVATOR is easy to use, saves money and optimizes water purification efficiently. The Bacta-Pur® BACTIVATOR can be used in various sectors, such as:

- Bacta-Pur® BACTIVATOR for aquaculture and ponds

Symptoms

- ammonia and nitrite levels too high
- feed conversion efficiency not high enough
- biofilter losing the pH, or too low
- biofilter slow to respond to variations of fish load
- stress leading health problems diseases
- excessive antibiotic treatments

Treatment Benefits

- stimulate both levels, and the reduction stress
- reduce stress levels before fish consumption
- more beneficial strains reduce antibiotic uses
- more beneficial strains allow for a quicker response
- reduce stress that makes disease treatment
- reduce antibiotic treatments

The Bacta-Pur® BACTIVATOR acts as a turbo-charger for your filter, continuously adding new active bacteria able to cope with most situations in a fishpond or a biological filter. Active bacteria are injected into the pond or filter 24 hours per day so that variations in load can be dealt with. Stress levels are reduced, growth of pathogens is slowed and fish remain healthy.

Efficient biofiltration requires a balanced community of beneficial bacteria that biodegrade organic waste, ammonia, nitrite nitrate and phosphate. The Bacta-Pur® BACTIVATOR was designed to ensure the presence of that community by continuously injecting bacteria in an active growth phase.

Continuously reinforcing the essential bacteria by adding new active organisms makes it possible to absorb the shock of fluctuating loads in the system. It compensates for changing pH, the use of antibiotics and changing fish load. New fish are stressed and can cause serious problems in a biofilter. Addition of active organisms helps to overcome those problems.

It is well known that addition of large numbers of beneficial organisms limits the living space and the growth of pathogenic bacteria, thus reducing the risk for contamination and disease. Improved water quality reduces stress factors and enhances eco-immunity. It improves feed conversion, resistance and survival.

- Bacta-Pur® BACTIVATOR for restaurants and industrial kitchens

Symptoms

- bad odour coming from drains and traps
- slowest flow rate in traps and pipes
- other bacteria and fungus, reduced growth in tanks
- you have tried dormant bacteria treatments without success, only wasting money

Treatment Benefits

- a lot more bacteria of various kinds
- a lot less grease (like hair) build up in traps and pipes
- no more drains opening normally
- Bacta-Pur® System - the most natural solution

Dormant bacteria poured directly into a drain or into a grease separator are flushed away with the wastewater before they even get a chance to become active. Drains and grease separators are cleaned regularly and receive disinfection products intended to kill bacteria. Beneficial bacteria are killed together with the harmful bacteria. Continuous addition of micro-organisms with maximum concentration is the only way to keep constant levels of active beneficial bacteria in grease separators and drain.

- Bacta-Pur® BACTIVATOR for sewers and lift stations

Symptoms

- excessive grease in lift stations and sewer lines
- no more bacteria in sewer lines, system with grease
- excessive odours coming from drains
- excessive odours coming from sewers
- excessive odours coming from lift stations
- excessive odours coming from lift stations

Treatment Benefits

- biggest grease buildup
- prevent odours coming from drains
- prevent odours coming from sewers
- prevent odours coming from lift stations
- prevent odours coming from lift stations
- prevent odours coming from lift stations

The Bacta-Pur® BACTIVATOR was designed to overcome those problems economically by executing the following steps automatically.

- Grow bacteria to increase their numbers.
- Treat bacteria physiologically to bring them into an exponential growth phase before they are added to the water.
- Optimization of the synthesis of exo-enzymes for the biodegradation of fat, oil and grease. These FOG pollute and clog pumps and sewers and become growth media for sulphur reducing bacteria, which causes corrosion and the emanation of toxic gases.
- 24 hour per day continuous dosing of active bacteria.

Process and equipment:

The Bacta-Pur® BACTIVATORs contain four principal components, which are mounted in a water resistant cabinet made of blue rotomolded polyethylene: (1) reservoir for the microorganisms and nutrients, (2) multi-step bioreactor, (3) water conditioning system, and (4) electrical controls.

1. The reservoir is available in different sizes depending on the flow rate of the lift station; it is designed to contain, at least, a one week supply of Bacta-Pur® beneficial bio-technologies and nutrients. The nutrients have been especially developed to allow rapid growth and to optimize synthesis of grease and sludge digesting enzymes. A dosing pump transfers precise quantities of bacterial/nutrient mixture to the bioreactor.

2. The bioreactor has multiple internal compartments or growth chambers, with aeration. The first contains an immersion heater and receives the incoming bacteria/nutrients and water. This compartment serves to bring the bacteria out of dormancy and to begin their growth. The flowing bacterial culture then flows through the growth compartment before leaving the system and being fed into the waste water. Air is supplied to the bioreactor by an internal air pump.

3. The water treatment and distribution system contains an activated carbon filter and a flow control valve. A dosing pump, which is pre adjusted to defined specifications, transfers precise quantities of treated water to the bioreactor.

4. The electrical system is available for 120v, 60Hz or 220-240v, 50Hz service. UL/CSA approved components are used.

All Bacta-Pur® BACTIVATORs are tested and calibrated prior to shipping and come with a year warranty

TYPE	ARTNR.	EURO
Bacta-Pur® Bactivator	SC940	2390,00
Bacta-Pur® Pre-Conditioner 4 Litres	SC946	59,00



BACTIVATOR
for
professional
use

Bacta-Pur®
www.bactapur.biz

BACTA-PUR®

Bacta-Pur® bio-augmentation products contain beneficial communities of natural bacteria, which have been on earth for millions of years. All we do is grow them in the right proportions to create powerful teams that improve water quality and accelerate the transformation of organic wastes into bacterial biomass, carbon dioxide and water. EVERY PRODUCTION of Bacta-Pur® bioaugmentation products is analyzed and cleared for shipment only after passing performance tests and being CERTIFIED PATHOGEN FREE using techniques from the food industry.

Regular use of Bacta-Pur® reduces growth of pathogenic bacteria through competitive exclusion. This means reduced use of chemicals and medication, which protects and maintains the environment.



www.bactapur.biz

BACTA-PUR N-3000+ NITRIFICATION EN DENITRIFICATION

code 812

The best solution for nitrification and denitrification as well as against eutrophication. The unique strains in Bacta-Pur® N-3000+ can denitrify in the presence of oxygen as well as anaerobically. This means that the accumulation of nitrates and the acidification are reduced.

Applications:

Marine and freshwater aquaculture; lobster tanks; shrimp farming.
Wastewater treatment (industrial and municipal)
Sewers, slaughterhouses, biofilters, manure, ponds, etc.

SIZE	ARTNR.	EURO	BOX
4 ltr bottle	SC920	54,50	6

Bacta-Pur®
for professional use



BACTA-PUR XLGA HEREROTROPHIC BACTERIA (FRESHWATER)

code 812

For the biodegradation of FOG and in wastewater and the reduction of BOD and sludge in WWTPs

Applications:

- Wastewater treatment plants
- Lagoons
- Sewers
- Grease separators
- Sludge reduction
- Aquaculture (freshwater)

SIZE	ARTNR.	EURO	BOX
4 ltr bottle	SC922	54,50	6

Bacta-Pur®
for professional use



BACTA-PUR XLSW HETEROTROPHIC BACTERIA (SALTWATER)

code 812

For the biodegradation of soluble organic pollution, reduction of BOD and sludge in saltwater (>5 ‰ salinity).

Applications:

- Aquaculture
- Shrimp farming
- Lobster tanks

SIZE	ARTNR.	EURO	BOX
4 ltr bottle	SC924	54,50	6

Bacta-Pur®
for professional use



BACTA-PUR POND

code 812

Clarifies pond water, starts biological filters and reduces sludge in large man-made ponds, natural ponds and lakes.

Applications:

Golf courses, Large decorative ponds (> 100 m3), Eutrophication of natural ponds and lakes

Advantages of the Bacta-Pur® system: The Bacta-Pur® POND that is added to the pond degrades soluble and solid organic waste. Water purifying bacteria in Bacta-Pur® Pond use this waste as food for their own growth. The by-products of this purification process are water, carbon dioxide and bacterial biomass, which is protein-rich and is eaten by aquatic animals. In this way Bacta-Pur® Pond converts waste into natural fish food.

Treatment with the Bacta-Pur® System:

Simply dilute Bacta-Pur® POND 10 to 100 times with pond water and apply it to the whole surface of the pond. Dose rates are adapted to the size of the pond.

Minimum dose: 2 ltr Bacta-Pur® POND / week*.

* Dilution is important for a good distribution of the product over the whole surface.

SIZE	ARTNR.	EURO	BOX
4 ltr bottle	SC926	54,50	6

Bacta-Pur®
for
professional
use



BACTA-PUR KLEAN SEPTIC

code 812

For biological treatment of septic systems.

Applications:

Septic tanks

Campings, caravans and mobile homes

Bacta-Pur® KLEAN SEPTIC contains communities of natural beneficial bacteria, selected for their synergistic ability to produce enzymes, which degrade grease and proteins. It also contains bacteria capable of eliminating ammonia, nitrite and nitrate.

Enzymes produced by the micro-organisms are already present in the bottle and more will be produced in the drains, siphons, septic tanks and leach fields, as bacteria degrade the accumulating waste. Balanced communities of water purifying bacteria are lacking in drinking water and in our digestive system. The only method to assure their presence is regular addition.

Preventive maintenance with Bacta-Pur®

Bacta-Pur® KLEAN SEPTIC is not only concentrated and efficient, it also has a pleasant smell. Small doses can prevent serious problems. Add Bacta-Pur® KLEAN SEPTIC at the end of the day in order to prolong retention time in the drains.

SIZE	ARTNR.	EURO	BOX
1 ltr bottle	SC928	14,00	6

Bacta-Pur®
for
professional
use



BACTA-PUR KLEAN DRAIN

code 812

For the degradation of fat, oil, grease, soap and scum in siphons, drains en grease traps.

Applications:

- Bath rooms, kitchens, hotels

- Camping Caravans/Campers

Bacta-Pur® KLEAN DRAIN contains communities of natural beneficial bacteria, selected for their synergistic ability to produce enzymes, which degrade grease and proteins.

Enzymes produced by the micro-organisms are already present in the bottle and more will be produced in the drains, siphons, septic tanks and leach fields, as bacteria degrade the accumulating waste. Balanced communities of water purifying bacteria are lacking in drinking water and in our digestive system. The only method to assure their presence is regular addition.

Preventive maintenance with Bacta-Pur®

Bacta-Pur® KLEAN DRAIN is not only concentrated and efficient, it also has a pleasant smell. Small doses can prevent serious problems. Add Bacta-Pur® KLEAN DRAIN at the end of the day to every drain, siphon, sink, washbasin, WC, bath, shower, etc.

Dose rate: Home, Hotel, Motel of Camping 15 ml / drain / week

SIZE	ARTNR.	EURO	BOX
1 ltr bottle	SC930	14,00	6

Bacta-Pur®
for
professional
use



BACTA-PUR®

Bacta-Pur® bio-augmentation products contain beneficial communities of natural bacteria, which have been on earth for millions of years. All we do is grow them in the right proportions to create powerful teams that improve water quality and accelerate the transformation of organic wastes into bacterial biomass, carbon dioxide and water. EVERY PRODUCTION of Bacta-Pur® bio-augmentation products is analyzed and cleared for shipment only after passing performance tests and being CERTIFIED PATHOGEN FREE using techniques from the food industry.

Bacta-Pur® products have been a concept in the world of decorative ponds and koi-keeping for many years thanks to their high quality standards and the obtained results.

Regular use of Bacta-Pur® inhibits the growth of harmful pathogenic bacteria through competitive exclusion. This means that less chemicals and medication are needed to protect fish against disease, which in turn protects and maintains the environment.

Bacta-Pur®



www.bactapur.biz

BACTA-PUR® KLEAR FILTER BACTERIA

code 812

- To start new filters or bio-augment and maintain existing filters. **Provide sufficient aeration!**
 - Nitrification, denitrification.
 - Clarifies pond water.
 - Helps reduce growth and development of microscopic algae;
- Bacta-Pur® Klear is more concentrated than bacteria in gel and is also suitable for bead filters.

Dosage: Ponds < 6m³: 200 ml per week, 6-10m³: 35ml per m³/week, 10-100 m³: 25 ml per m³/week.

SIZE	ARTNR.	EURO	BOX
1 ltr bottle	SC900	15,50	6
4 ltr bottle	SC902	50,00	6

Bacta-Pur®



BACTA-PUR® SLUDGE BUSTERS

code 812

- Reduction of organic sedimentation and sludge in ponds
- Reduction of sludge and sedimentation in (under) filter chambers
- Denitrification.
- Helps reduce growth of filamentous algae.

Dosage: Ponds < 6m³: 400 ml per week, 6-10m³: 70 ml per m³/week, 10-100m³: 50 ml per m³/week.

SIZE	ARTNR.	EURO	BOX
1 ltr bottle	SC904	15,50	6
4 ltr bottle	SC906	50,00	6

Bacta-Pur®



BACTA-PUR® NUTRIPAK MICRO NUTRIENTS

code 812

Beneficial micro organisms in Bacta-Pur®, like all living creatures, need minerals and essential trace elements for their growth and activity. Nutrient limitation often occurs, in decorative ponds, due to rapid uptake. Bacta-Pur® NUTRIPAK contains the nutrients, minerals and trace elements that are needed by the bacteria Bacta-Pur® KLEAR, Bacta-Pur® Sludge busters and Bacta-Pur® PRO-100 and, if used regularly, it will keep them in optimal condition.

Dosage: Ponds up to 6m³: 200 ml a week, 6-10m³: 35ml per m³/week, 10-100 m³: 25 ml per m³/week.

SIZE	ARTNR.	EURO	BOX
1 ltr bottle	SC908	15,50	6
4 ltr bottle	SC910	50,00	6

Bacta-Pur®



BACTA-PUR PRO 100 PROBIOTICS

code 812

- Inhibits growth of pathogens through pro-biotic competition and competitive exclusion.
- Helps to prevent disease and reduces efficiently the risk of infection by Aeromonas.
- Reduces stress, stimulates the immune system and increases natural resistance to disease and infection.

Application: Use Bacta-Pur® PRO-100 as a preventive measure. Growth of the specially selected beneficial bacteria will out-compete growth of harmful and pathogenic bacteria such as Aeromonas, E-coli, Salmonella, etc., by removing all the nutrients needed for growth and development. In fact Bacta-Pur® PRO-100 reduces the number of pathogens by occupying their living space and replacing harmful micro-organisms with beneficial ones.

Bacta-Pur® PRO-100 is absolutely harmless and can be used in all aquatic systems.

Dosage: Start: by adding 5 ml per m³/day for 1 week. Maintenance: 5 - 10 ml per m³/week. Switch off UV lamps and ozone generators during the first week of treatment with Bacta-Pur® PRO-100. Always keep UV and ozone switched off for 3 days after adding Bacta-Pur® PRO-100. Double the dose rate if water temperature drops below 15°C. Bacta-Pur® PRO-100 does not replace Bacta-Pur® KLEAR or Sludge busters.

SIZE	ARTNR.	EURO	BOX
1 ltr bottle	SC916	31,00	6



Bacta-Pur®

BACTA-PUR LITHAQUA FILTER- MEDIA AND POND SUBSTRATE, PH AND KH REGULATOR

code 812

- Natural mineral product very suitable as filter media and pond substrate.
- 10 to 20 times more surface area for bacterial growth than most filter materials.
- Buffers pH en regulates KH en GH.
- Prevents sludge accumulation on the bottom of the pond.

Bacta-Pur® LITHAQUA is a marine mineral, containing large amounts of minerals, trace elements and carbonates. In your pond it assures a continuous mineral balance, which is essential for a healthy biological activity. Use it as a substrate for bacteria to grow on and for fish to play with, or use it as filter media. It is important that at least one filter chamber, preferably the last one, should contain Bacta-Pur® LITHAQUA. Bacta-Pur® LITHAQUA provides minerals and trace elements directly to the bacteria for optimal growth.

Application: As substrate: 10 kg will cover approx. 3 m². As filter media: 25 kg in a filter chamber is ideal. As additive: 200 grams per m³ per month.

SIZE	ARTNR.	EURO
25 kilo bag	SC914	38,50



LITHAQUA

Bacta-Pur®

BACTA-PUR BIOBALANCE pH - GH - KH STABILISER

code 812

- pH buffer, helps to keep pH fluctuations under control
- Regulates carbonate alkalinity (KH)
- Enhances oxygen exchange in the pond
- Enhances activity of nitrifying and denitrifying bacteria.
- Helps absorb soluble phosphorus, one of the main causes for proliferation of algae.
- Improves the digestive system of your fish.

The pH buffer capability of Bacta-Pur® Biobalance depends on the hardness and KH of the water. Therefore pH stabilization may take from a few days to several weeks. Biobalance may cloud the water and it may take up to 8 or 10 hours before the water begins to clear.

KH regulation: 20 grams of Biobalance per m³ raises de KH by approx. 1 °DH. Add daily 5 g per 1000 ltr pond water until the desired KH is reached. Monitor KH regularly and repeat the treatment whenever required.

pH buffering: Add every other day 5 g per 1000 ltr pond water until pH stabilizes. Repeat whenever necessary. Add Biobalance preferably at night. Biobalance should be used throughout the year and is an excellent support for Bacta-Pur® KLEAR and Bacta-Pur® Sludge busters.

SIZE	ARTNR.	EURO
1 kilo pail	SC918	19,50



Bacta-Pur®

MICROBE-LIFT BACTERIAL PRODUCTS

WHILE ALL MEN MAY BE CREATED EQUAL, ALL BACTERIA ARE NOT CREATED EQUAL....

Many people ask, "How is MICROBE-LIFT Clean & Clear different from other biological products for my pond?". Well, there are a number of important differences that make MICROBE-LIFT Clean & Clear superior to other bacterial products. Here are some examples:

1. MICROBE-LIFT Clean & Clear has photosynthetic bacteria which can be very beneficial in balancing the ecology of a pond. They can use the sunlight as a source of energy, taking some of the load off of the aerobic heterotrophs. This is why our product has its characteristic purple/red colour. We do not add food coloring or other type of pigments to the product. Like all photosynthetic organisms, photosynthetic bacteria need a pigmented material to absorb the sunlight. In green plants, this pigmented material is chlorophyll which is responsible for the green colour in plants. The pigmented materials in the photosynthetic bacteria are called carotenoids, which gives them the purple/red colour. When we start to grow our product, the media is clear. After a few days of exposure to sunlight it turns the purple/red colour as if by magic when the bacteria synthesize this natural pigment. When some of our competition hear that customers and dealers feel the photosynthetic bacteria are beneficial they claim they have them too. Unfortunately, this is impossible since most of these products are clear. Since light just passes through a clear liquid, how can it contain photosynthetic bacteria? It simply can't.
2. Ecological Laboratories, Inc. is the basic manufacturer of MICROBE-LIFT. Many other companies do not produce their own bacteria and their products are "stock products" mass produced by large culture manufacturers, sold for any number of applications and packaged under a variety of labels. Most of these products contain only aerobic heterotrophs and facultative anaerobes. While these may provide some benefit in a pond environment it cannot balance the ecosystem the way MICROBE-LIFT's consortium of aerobic heterotrophs, facultative anaerobes plus photosynthetic, anaerobic and chemosynthetic organisms can.
3. MICROBE-LIFT Clean & Clear is grown in the container in which it is sold. This is because the organisms grow synergistically. It is a virtual "ecosystem in a bottle". They are grown together because that's the way they have to work in your pond – together. Most products from the mass producers of bacteria are grown as individual strains in large tanks or in tray fermentors if they are dry products. Then they are blended before packaging with very little knowledge of how they will interact in the pond environment or any environment for that matter.
4. MICROBE-LIFT Clean & Clear is so versatile that it will do many things that would require the addition of three or four of another company's products. While the price of MICROBE-LIFT Clean & Clear may be a little higher than some competitive products by the time you add the various products you have to add to get the same results as MICROBE-LIFT Clean & Clear you might spend three to four times what you would spend to use MICROBE-LIFT Clean & Clear to achieve the same results.
5. And, if you want to keep it simple - do what the most successful salesman for one of our best dealers does when asked why he recommends MICROBE-LIFT Clean & Clear. All he tells his customers when they ask him what MICROBE-LIFT Clean & Clear can do for their pond is "it cuts your pond maintenance in half". Simple, but very effective - and true.



THE MOST OFTEN ASKED QUESTIONS:

Ecological Laboratories produces a product which is the equivalent of an "ecosystem in a bottle" with all the necessary organisms required to fill in gaps in the lakes ecosystem which have resulted from environmental stresses. The bacteria are fully functional once the product is added to the pond or lagoon without having to "germinate" like spore based products.

What makes Microbe-Lift® products work so well?

Microbe-Lift® products like Clean & Clear and Super Start have a full complement of photosynthetic, aerobic, facultative anaerobic, anaerobic, and chemosynthetic organisms which address all the common problems encountered in pond maintenance including high ammonia and nitrite, undigested organics, algae blooms, organic sediment build-up and foul odours.

Why does the product smell like rotten eggs?

The smell is attributable to the natural production of hydrogen sulphide by sulphate reducing bacteria as part of the ecosystem. This provides a source of energy for the purple sulphur bacteria in the product and as a metabolic inhibitor preserves the product giving it its long shelf life.

Can Microbe-Lift Clean & Clear be diluted with water before use?

No. Microbe-Lift products should be shaken and used as it is.

If I have a biological filter, how do I apply the Microbe-Lift product?

Apply it directly to the pond. The organisms will establish a bio-film on the filter media as they circulate through it in the pond water.

What will Microbe-Lift do for my pond?

It reduces ammonia and nitrite levels, reduces noxious odours caused by urine, faecal matter, algae, overfeeding, etc., reduces hydrogen sulphide odours, improves dissolved oxygen, breaks down algae, reduces build-up of bird droppings.

Do the microbes need special conditions in the pond in order to work?

Microbe-Lift products can't be used with pesticides or algacides. For best result switch of UV, ozone and/or protein skimmers for 2-3 days.

What is the shelf life of Microbe-Lift products?

Approximately 3-5 years. Nite Out II has a shelf life of 18 months.

Can I use Microbe-Lift in the winter months?

Microbe-Lift will be successful if used under the layer of ice, even if it freezes in the container, it will thaw out and be effective when used.



MICROBE-LIFT CLEAN & CLEAR

code 812

Microbe-Lift Clean & Clear is a special blend of beneficial bacteria that keeps ponds clean & clear. Contains also photosynthetic bacteria and is grown in the bottle in which it is sold, thanks to a unique process! Photosynthetic bacteria can be very beneficial in balancing the ecology of a pond. They will compete with algae for their nutrition and sunlight. When used according to dosage instructions it will provide the following benefits:

PONDS

- Keeps your ponds clean & clear
- Seeds and maintains biological filters
- Reduces ammonia nitrogen levels
- Dissolves away organic sediment
- Safe for fish & plants

FISH

- Reduces environmental stress
- Promotes rapid fish growth
- Biologically supports a healthy immune system
- Increases resistance to pathogens and parasites
- Biodegrades uneaten food

PLANTS

- Ensures a healthy start and reduces transplant shock
- Stimulates root formation and growth
- Improves tolerance to temperature fluctuations
- Enhances the ability of plants to utilize light, water and nutrients by making the nutrients more bio available



SIZE	ARTNR.	EURO	BOX
500 ml	SC750	12,95	24
1 ltr	SC751	19,60	12
4 ltr	SC752	59,00	6

Size of Pond (litres)	First Application	Next 4 weeks (once per week)	Maintenance (once a month)
300 - 750	250 ml	60 ml	60 ml
751 - 2.000	300 ml	100 ml	100 ml
2.001 - 4.000	400 ml	150 ml	150 ml
4.001 - 20.000	500 ml	200 ml	200 ml
20.001 - 40.000	1 litre	500 ml	500 ml
40.001 - 200.000	2 litre	1 litre	1 litre
200.001 - 400.000	4 litre	1,5 litre	1,5 litre

MICROBE-LIFT SUPER START (BEAD)FILTER BACTERIA

code 812

Specially formulated for all biological (bead) filters. Like most types of mechanical/biological filters, bead filters rely on the use of a media that provides a high surface area/volume ratio. This allows for support of the necessary amount of biomass, in the form of a biofilm, to properly remove organic and inorganic waste from the water. Within the biofilm it is possible to carry out aerobic, facultative anaerobic, anaerobic and chemosynthetic processes. Microbe-Lift® Super Start contains all these bacteria capable of carrying out all of the necessary processes for optimum performance of bead filters.

When used according to dosage instructions Microbe-Lift® Super Start will provide the following benefits:

- Rapid establishment of organic removal capabilities
- Rapid establishment of nitrogen cycling including nitrification and denitrification
- Reduced build-up of residue in the filter reducing maintenance and improving filter efficiency by reducing "channelling"
- Breakdown of residual medications, like tea tree oils and formalin products which are inhibitory to most bacteria, after use
- Rapid recovery of filter after use of medications and antibiotics
- Effective over a wide pH range
- Reduces ammonia nitrogen levels
- Significantly reduces noxious odours caused by algae, fish waste and urine
- Reduces hydrogen sulphide, which creates strong, offensive odours

DIRECTIONS: When starting up the filter, apply Microbe-Lift® Super Start for 4 weeks. After cleaning the filter apply for 2 weeks. Use Microbe-Lift® Clean & Clear for maintenance.

SIZE	ARTNR.	EURO	BOX
1 ltr	SC756	19,60	12
4 ltr	SC757	59,00	6

Pond size (litres)	Dosage (weekly)
300 - 750	60 ml
751 - 2.000	100 ml
2.001 - 4.000	150 ml
4.001 - 20.000	200 ml
20.001 - 40.000	300 ml
40.001 - 80.000	500 ml
80.001 - 120.000	750 ml
120.001 - 160.000	1000 ml



MICROBE-LIFT SLUDGE AWAY (SLUDGE REMOVAL)

code 812

- Provides "rapid & natural sludge and muck removal".
- 80% faster than competitive products.
- Reduces and binds phosphate.
- Helps improve pond clarity.
- 100% active ingredients.
- Disperses quickly.
- Bio-degradable.

Years in development, Microbe-Lift® Sludge Away speeds up the biological removal of slow to degrade organic waste matter from aquatic pond bottoms that may become toxic to fish and plant life. As organic solids accumulate on the pond bottom they begin to break down, releasing toxic gasses to the surrounding environment. These gaseous by-products endanger fish, marine life and plants. Microbe-Lift® Sludge Away removes bottom organic sludge and muck, reducing or eliminating the potential harmful gaseous compounds, and helps to clarify your pond water at the same time.

Especially helpful for ponds that have a rock or gravel bottom and where vacuuming is impractical.

Works faster at warm water temperatures, however may be used effectively at any temperature year-round.

Dosage rates: 100 ml per 1250 litres of pond water.

First application: 100 ml per 1250 litres of pond water, then 100 ml per 1250 litres of pond water once a week for next 4 weeks.

Maintenance: Treat with Microbe-Lift® Sludge Away monthly or as necessary thereafter.



SIZE	ARTNR.	EURO	BOX
1 ltr	SC760	19,60	12
4 ltr	SC761	59,00	6

MICROBE-LIFT NITE OUT II SPECIALLY FORMULATED FOR RAPID A & N REDUCTION

code 812

MICROBE-LIFT®/NITE-OUT II is designed specifically for pond waters that contain marine life. Its highly specialized microbial consortium of nitrifying cultures is specially formulated to eliminate ammonia via a natural biological process termed nitrification. Remains active to 4°C! (Best results from 13°C and up).

The cultures contained in MICROBE-LIFT®/NITE-OUT II will establish, promote or stabilize and maintain nitrification in pond waters, eliminating the toxic effect of ammonia. MICROBE-LIFT®/NITE-OUT II liquid nitrifying bacteria contains select strains of **Nitrosomonas**, **Nitrospira** and **Nitrobacter**. Nitrosomonas convert ammonia to nitrite and Nitrobacter and Nitrospira convert nitrite to nitrate.

BENEFITS

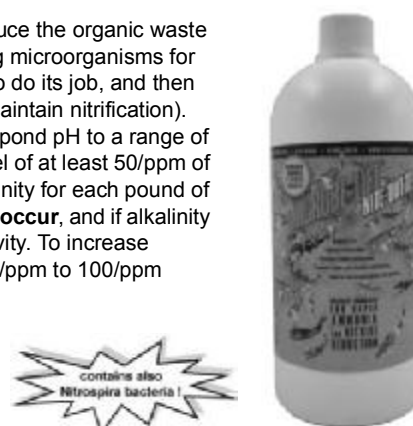
- Initiates nitrification super fast!
- Promotes stable nitrification.
- Provides stable cold weather nitrification.
- Safe for use around plants and animals.

NOTES ON NITRIFICATION

When ammonia removal is desired first start with MICROBE-LIFT Clean & Clear to reduce the organic waste in the pond as high levels of BOD can inhibit nitrification by competing with the nitrifying microorganisms for necessary oxygen. After applying MICROBE-LIFT Clean & Clear wait 24 to 48 hours to do its job, and then apply MICROBE-LIFT NITE-OUT II. Prior to the addition of NITE-OUT II (to start and maintain nitrification). Check to make sure that the pond pH is in the correct range for nitrification. Adjust the pond pH to a range of 7.5 to 8.7, and check to see if adequate alkalinity is present as you must maintain a level of at least 50/ppm of alkalinity at all times. This is necessary as nitrifying microorganisms use 7.1 lbs of alkalinity for each pound of ammonia removed (oxidized). **If proper alkalinity is not present, nitrification will not occur**, and if alkalinity is lost nitrification will cease and the pond pH will drop due to the nitrifying cultures activity. To increase alkalinity add pH buffer or sodium bicarbonate until you achieve an alkalinity level of 50/ppm to 100/ppm (minimum), and then maintain the alkalinity at a level of 50/ppm.

Size of Pond (litres)	First Application	Next 4 weeks (once per week)	Maintenance (once a month)
300 - 2,000	30 ml	15 ml	30 ml
2,000 - 4,000	75 ml	40 ml	75 ml
4,000 - 10,000	150 ml	75 ml	150 ml
10,000 - 20,000	250 ml	100 ml	200 ml
20,000 - 30,000	300 ml	150 ml	300 ml
30,000 - 40,000	400 ml	200 ml	400 ml
40,000 - 55,000	500 ml	250 ml	500 ml
55,000 - 75,000	700 ml	350 ml	700 ml
75,000 - 100,000	800 ml	400 ml	800 ml

SIZE	ARTNR.	EURO	BOX
500 ml	SC765	15,25	24
1 ltr	SC766	27,20	12



MICROBE-LIFT AUTUMN WINTER PREP

code 812

Specially formulated for pond winterization. Microbe-Lift / AWP helps accelerate the decomposition of leaves, sediment and other organic matter during the fall and winter months. Microbe-Lift / AWP will also jump start your pond to a healthier environment in the spring.

Microbe-Lift / AWP is a two-part system of LIQUID bacteria and DRY, water soluble packets containing a blend of cellulose enzymes, cellulose-producing bacteria and a cold weather bacteria. The cellulose enzymes, along with the cellulose-producing bacteria, are the key to accelerating the breakdown of leaves, organic sediment and sludge all winter long. The cold weather bacteria and liquid bacteria take care of the initial breakdown by-products.

- Continues to provide sustained biological activity even in water temperatures under 4°C (40°F).
- Contains psychrophilic strains (cold weather bacteria)
- If frozen, bacteria will remain effective after thawing out
- Effective in darker conditions (under ice and snow)
- Helps to maintain a healthy immune system for your fish during winter months
- Gives your pond a head-start during spring.
- Reduces the building of dead leaves and organic material during winter.

TYPE	ARTNR.	EURO
Autumn/Winter Prep 1 ltr + 2 bags	SC783	19,50
Autumn/Winter Prep 4 ltrs + 8 bags	SC784	65,20



Size of pond (Litres)	1 st Month	2 nd Month	3 rd Month	4 th Month
300 – 4.000	175 ml	200 ml	250 ml	275 ml
4.000 – 20.000	200 ml	250 ml	250 ml	275 ml
20.000 - 40.000	500 ml	500 ml	500 ml	500 ml
40.000 - 60.000	600 ml	600 ml	600 ml	600 ml
60.000 - 80.000	750 ml	750 ml	750 ml	750 ml
80.000 – 120.000	900 ml	900 ml	900 ml	900 ml

Each month toss 2 water soluble, cellulose enzyme packets into pond which will disperse in minutes. For ponds up to 20.000 litres toss 2 water-soluble, cellulose enzymes packets into pond only at 2nd month application.

MICROBE-LIFT SPRING/SUMMER CLEANER

code 812

MICROBE-LIFT SPRING/SUMMER CLEANER had been made especially to accelerate the deterioration of leafs, small branches and other dead organic residue. Spring is the season to clean and revitalize your pond after the cold and hard winter months. A season procedure for a good organic balance in ponds. The cellulase enzymes are the key to the deterioration of organic residue. It is very import to prevent waste build up on the bottom of your pond. The dead organic residue will turn to compost, which is an assault to your filter system and lowers the quality of your water.

- Helps to jump start your pond in the spring
- Reduces buildup of dead leaves and residual organic sediment
- Pre-measured, easy to handle and cost effective
- Natural nontoxic and non caustic

Contents: (8) 2 oz. water soluble packets (57 grams) of cellulose enzymes and hyper cellulose prod. bacteria.

TYPE	ARTNR.	EURO
Spring/Summer Cleaner 455 gram	SC780	17,35



MICROBE-LIFT FILTERGEL

code 812

Microbe-Lift Filter Gel is a technological breakthrough because it's the first product that puts the bacteria right where you want it and it STAYS THERE! Filter Gel will quickly attach to and populate any filter media including foam, strapping, floss, bio-balls, ceramic media, etc. This will help to rapidly establish the necessary biological activity in your filter to stabilize your pond's environment quickly. It will also help restore this activity to your filter when you clean or change the media in your filter.

- Easily applies to the filter pads/media without running or getting messy
- Contains the same spectrum of bacteria found in MICROBE-LIFT/PL
- Contains naturally occurring biopolymers, helping organisms quickly attach to the media allowing for an 80% reduction in filter start-up time
- Helps to stabilize pond environment quickly upon startup and to eliminate transient instability that can occur when filter media is cleaned or replaced
- Allows for more frequent cleaning of filters without subsequent instability if a pond has a high solids loading where frequent cleaning is beneficial
- Reduces the frequency of cleaning by accelerating the breakdown of organic solids that lead to high maintenance requirements
- Helps to establish denitrification in the filter which can lower nitrate levels in the pond

Application: Inoculate (spread) Filter GEL directly to filter pad or media. The Filter GEL will absorb into the pad/media by letting it sit for 1 to 2 hours before inserting back into the filter or skimmer. After insertion, turn off recirculation pump for 1 to 2 hours, providing water can maintain adequate oxygenation without circulation for this amount of time. Repeat application each cleaning/replacement of filter pads/media. For normal maintenance use Microbe-Lift Clean & Clear.



Easy to use "flip top" squeeze bottle!

TYPE	ARTNR.	EURO
Filtergel 0,5 ltr	SC770	12,95
Filtergel 1 ltr	SC771	19,60



MICROBE-LIFT 7.5 pH BUFFER / STABILIZER

code 812

Offers the following advantages, if used according to the indications:

- "Buffers" the pH value and helps preventing extreme pH oscillations.
- Harmless to fish and plants.
- Provides the water with the needed alkalinity (KH) for the nitrogen cycle.

This jar treats over 20.000 litres of pond water.

The major function of this pH buffer is the prevention of pH oscillations and maintaining the water on a solid value of 7.5.

Usage: to **LOWER** the pH value and maintain at 7.5:

Add 4 leveled off scoops of the provided spoon per 450 litres of pond water.

To **HIGHER** the pH value and maintain at 7.5:

First adjust the pH with Microbe-Lift / pH Increase Plus. Add 4 leveled off scoops per 450 litres of pond water.

Dosage: 450 grams treats over 3000 litres of pond water.



TYPE	ARTNR.	EURO
7.5 pH Buffer / Stabilizer 2,27 kilo	SC718	49,00



MICROBE-LIFT pH INCREASE PLUS (PH+)

code 812

- Formulated in deionized water
- Includes 2 pH increasers for gentle effectiveness
- Includes 3 electrolytes to help maintain osmotic balance
- Contains a slime coat ingredient for skin protection and stress reduction in pond fish
- Has a chelating agent to enhance water quality
- Safely raises the pH level
- Not harmful to fish or plants
- Can temporarily blur the water, depending on the water quality



APPLICATION: Test pond water the same time each day (dawn=lowest pH; dusk= highest pH) for a pH reading below 6.5. Most ponds target at 7.5pH with an alkalinity level between 100-200 ppm (normal range). Add one ounce per 375 gallons of pond water for every 0.1 pH unit increase desired. Apply MICROBE-LIFT pH INCREASE in several steps and measure increased pH before next addition. If your pond contains fish and/or plants, do not dramatically raise your pH levels more than 0.5 pH unit in a 24 hour period, as not to shock aquatic life and/or fish.

Example: When you have a 3000 litres pond and you want to increase the pH from 7,1 to 7,5, add 240 ml Increase Plus.

TYPE	ARTNR.	EURO
pH Increase plus 1 ltr (PH+)	SC720	16,40

MICROBE-LIFT pH DECREASER (PH-)

code 812

- Formulated in deionized water
- Includes 2 pH increasers for gentle effectiveness
- Includes 3 electrolytes to help maintain osmotic balance
- Contains a slime coat ingredient for skin protection and stress reduction in pond fish
- Has a chelating agent to enhance water quality
- Safely raises the pH level
- Not harmful to fish or plants
- Can temporarily blur the water, depending on the water quality



APPLICATION: Test pond water the same time each day (dawn=lowest pH; dusk= highest pH) for a pH reading ABOVE 8.5. Most ponds target at 7.5pH with an alkalinity level between 100-200 ppm (normal range). Add one ounce per 375 gallons of pond water for every 0.1 pH unit increase desired. Apply MICROBE-LIFT pH DECREASE in several steps and measure increased pH before next addition. If your pond contains fish and/or plants, do not dramatically raise your pH levels more than 0.5 pH unit in a 24 hour period, as not to shock aquatic life and/or fish.

Example: When you have a 3000 litres pond and you want to decrease the from 7,9 to 7,5, add 240 ml Decreaser. Use this product in multiple steps to prevent major pH oscillations.

TYPE	ARTNR.	EURO
pH Decreaser 1 ltr (PH-)	SC722	16,40

MICROBE-LIFT FLOCCULANT PLUS FOR CLEAR WATER

code 812

Microbe-Lift / Flocculant Plus is a proprietary formulation used to coagulate suspended solids in the pond water. After use, particles in the water settle to the bottom of the pond and/or filter out through the filter system.

- Clears cloudy water
- Safe for aquatic life and plants
- Attracts suspended particles
- Improves filtration



APPLICATION: Add 30 ml (4 cups) per 550 litres of pond water. Maintain aeration and filtration for maximum clarification. After the milky haze period, conditions should clear within 12-24 hours. Safe for fish and plants.

TYPE	ARTNR.	EURO
Flocculant Plus 1 ltr	SC734	21,50

MICROBE-LIFT AMMONIA REMOVER

code 812

Ammonia Remover neutralizes toxic ammonia, chloramines and chlorine. Is safe for everything that lives in the pond. Ammonia Remover gives beneficial bacteria time to multiply and recover if the biological filter gets damaged keeping pond fish from being stressed. Use Ammonia Remover preferably after refreshing or adding tap water. Also use when the pond is over-populated with fish.

- Every ounce removes 1.25 ppm of toxic ammonia by forming an irreversible complex to reduce free ammonia to safe levels
- Neutralizes residual chlorine and destroys deadly chloramines
- Treats ammonia burn in pond fish

This bottle treats ponds up to 20.000 litres

Fish transport Microbe-Lift / Ammonia Remover is very suitable when transporting fish (new ponds, koishows, transport) during the hot summer months.

A few drops of Ammonia Remover per 4 litres in each transportation bag will support a safe transport.

Dosage: Add 30 ml Ammonia Remover to 600 litres of water to decrease the level of ammonia with 1,25 mg/ltr. Treat for total ammonia level at one time. If needed, the dosage may be repeated safely. If toxic levels of ammonia persist, a partial water change is recommended. Over feeding may be the cause.



TYPE	ARTNR.	EURO
Ammonia Remover 1 ltr	SC730	22,25

MICROBE-LIFT PHOSPHATE REMOVER

code 812

The ultimate remedy in phosphate removal for fresh water.

Use Microbe-Lift / Phosphate Remover for starting up a new pond. this guarantees low phosphate concentrations. To clear the pond from phosphate successfully, it is necessary to use Phosphate Remover regularly in new or existing "mature" ponds. MICROBEL-LIFT/ POND PHOSPHATE REMOVER is a polymeric blend with outstanding qualities, including the ability to tie-up large quantities of phosphate without negatively influencing the pond water in any way. Phosphate- caused by the decomposition of organic substances such as food surpluses, dead plant matter, and excretion. Although phosphate is a vital part, it is only damaging in low concentrations. A phosphate concentration increase could lead to water quality problems.

To solve problems caused by phosphate, it is recommended to keep the phosphate concentration in fresh water below 0,3 mg/ltr.

- Safely removes the phosphate out of the pond water
- Will not harm fish or plants

Application: Use 30 ml Phosphate Remover per 400 litres of water. Depending on the water quality, the amount of organic- and fish waste, can remove between the 30 ml and 1 and 1,5 mg/ltr phosphate. The doses can be repeated if the phosphate level is still too high. Multiple treatments can be needed if a very high phosphate level is at hand. This bottle treats up to 12000 litres of pond water.



TYPE	ARTNR.	EURO
Phosphate Remover 1 ltr	SC726	26,50

MICROBE-LIFT BLOOM & GROW™ AQUATIC PLANT SUPPLEMENT

code 812

Aquatic plants supplement without phosphate and nitrate (Nitrogen 0.10, Phosphate 0, Potassium 0.10).

Microbe-Lift / Bloom & Grow™ is specially formulated for all sorts of aquatic plants. Use this supplement one or two times a week for bigger, more beautiful and faster growth and for healthier and stronger roots.

- Highly concentrated formula
- Contains micro- and macro- nutrients
- Contains vitamins and amino acids
- Has essential primary and secondary nutrients
- Nitrate and phosphate free

This bottle treats ponds up to 36.000 litres. (contains 1 litre).

Application: 30 ml (4 cups) per 1100 litres of water.



TYPE	ARTNR.	EURO
Bloom & Grow 1 ltr	SC738	24,95

MICROBE-LIFT BIO BLUE ENZYME & POND COLORANTS

code 812

Specially formulated to safely color lakes, lagoons, decorative ponds, fountains, and water features a beautiful shade of blue.

- Will not stain birds, fish, pond rocks, or most concrete fountains once diluted.
- Safe for humans, plants, and aquatic life.
- Colors the water with a beautiful blue color.
- Blocks specific beams of light.
- Decreases organic waste.
- Decreases unpleasant scents.
- No limitations for swimming, irrigation or fishing.
- Makes unsightly water more attractive.
- Mixes completely in hours.

Dosage: 15 ml per 1000 litres of water.

For major water surfaces: 1 litre per 1000m² (1 to 2 meters deep).

Application: Shake properly before using. Dilute ML/BIO-BLUE in a bucket of water and pour the diluted liquid into the pond, fountain, water feature, etc. REMARK: NON DILUTED colorant could stain on concrete or rock.

The color can differ, because of the differences in water quality and chemical composition. Use half the bottle to get a certain color tone and add dosage until you reach the desired color.

TYPE	ARTNR.	EURO
Bio Blue 0,5 ltr	SC742	14,95



MICROBE-LIFT BIO BLACK ENZYME & POND COLORANTS

code 812

Dark colorant, specially formulated to safely color reflecting ponds black.

- Once diluted, will not stain birds, fish, pond rocks, or most concrete fountains once diluted
- Safe for humans, plants, and aquatic life
- Safely colors the water with a nice black tint.
- Blocks specific beams of light.
- Decreases organic waste.
- Decreases unpleasant scents.
- No limitations for irrigation or fishing.
- Mixes completely in hours.

Dosage: 15 ml per 1000 litres of water.

For major water surfaces: 1 litre per 1000m² (1 to 2 meters deep).

Application: Shake properly before using. Dilute ML/BIO-BLACK in a bucket of water and pour the diluted liquid into the pond, fountain, water feature, etc. REMARK: NON DILUTED colorant could stain on concrete or rock.

The color can differ, because of the differences in water quality and chemical composition. Use half the bottle to get a certain color tone and add dosage until you reach the desired color.

TYPE	ARTNR.	EURO
Bio Black 0,5 ltr	SC740	14,95



KUSURI ECO-PURE NATURAL BLANKET WEED CONTROLLER

code 821

Inhibits blanket weed, flocculates particle matter, increases water clarity, degrades sludge. Eco-Pure is a biological product that has beneficial strains of denitrifying bacteria bio-fixed to a dense powder catalyst. Eco-Pure is non chemical and is 100% fish safe. The powder gives additional benefits of flocculating particle matter in suspension and increases water clarity. Eco-Pure works down to a water temperature of 6°C.

Eco-Pure added weekly will reduce blanket weed by reducing its food source. Bacteria coat the blanket weed starving the weed of food this will initially break up long strands as it loses strength. After regular use it should reduce down to minimal growth.

Dosage: first dosage 100 gram (2 cups) per 1500 litre pond water. For maintenance use 50 gram per 4000 litre.

SIZE	ARTNR.	EURO
1,25 kilo	SF574	31,10
3 kilo	SF576	65,40
11 kilo	SF577	229,70



KUSURI ECO-BOOST SACHETS EXTRA STRONG BLANKET WEED CONTROLLER

code 821

Eco boost sachets are each rated up to ponds of 20.000 litres. Another bacterial sachet a stronger formula but only works above 12°C suitable for summer use & heated ponds. Use once a month or as required to rapidly reduce the dreaded weed. Eco-boost can be used at the same time as Eco-Pure, or alone.

Application: Dissolve sachet into a bucket of pond water then add to pond. UV off for 5 days as this forms a liquid solution.

SIZE	ARTNR.	EURO
1 sachet	SF578	11,70



KUSURI KLAY CALCIUM MONTMORILLONITE CLAY MINERALS

code 821

Kusuri Klay now widely used throughout the UK, Europe, USA and the Far East, is a beneficial weekly pond additive. A fine white powdered product that when added to any pond environment will replenish minerals in water. Using Kusuri Klay weekly in your pond will reap its own rewards as you will see better water clarity usually about 24 hours later, and better colour and lustre on your Koi after a few weeks. Kusuri Klay also is a positive benefit to health as fish absorb minerals in large quantities from the water which helps bone & cellular growth.

Dosage: Use 1 level cup (25 grams) as supplied (fixed to the inside lid of the container,) to every 2500 litre of pond water. Place measured amount into a bucket of pond water and mix into a milky emulsion. Add slowly all around pond.

SIZE	ARTNR.	EURO
1 kilo	SF570	18,65
3 kilo	SF572	32,70



KUSURI SUPER C SPECIAL POND & FILTER CLEANSER

code 821

Increases hygiene and Breaks down organic waste accumulation in filter and pond systems. Super C Special is a special blend of active enzymes & minerals with no chemical additives, and has been formulated to break down harmful organic matter into inorganic waste that can be flushed or purged from the filter system. Thus allowing more beneficial bacteria to populate the biomass, which helps reduce the pond pollutants Ammonia & Nitrite and Keeps your filter system in a clean hygienic condition. Super C Special is not intended to replace filter maintenance, but will reduce the severity and the frequency of the cleaning the filters and chambers.

Application: Super C Special is also beneficial when applied directly to the pond, the enzymes will contribute to reducing organic waste material therefore reducing the biological oxygen demand on the pond. Super C Special complements Kusuri Klay and our Eco pure products they are all non - invasive chemical free products. Directions for filters, Mix 25 grams per 4000 litres of pond water, Into 3-4 litres of pond water. Mix into a milky solution then add a proportion to each filter bay. Use twice weekly for 1 month, then reduce dose to once a week thereafter. For ponds, use at the same rate and apply directly all around pond. Weekly use recommended. Super C will cloud water for a few hours only.

SIZE	ARTNR.	EURO
1,25 kilo	SF580	31,10
3 kilo	SF582	65,40



FOK BIOFACTOR VL

code 812

Japan's best selling water treatment product!
Bio Factor VL will improve water quality and clarity.
Better colour & lustre on your Koi, helps bone & cellular growth.

Dosage: 50 grams per 10.000 litre pond water per week.

SIZE	ARTNR.	EURO
Bag 1,5 kilo	SC828	29,90



FOK

ALG-STOP ANTI BLANKET WEED

code 812

After a long period of testing, we offer a product which solves all the problems concerning blanket weed. This is a product without algicides. Special chelators withdraw nutrients from the water and make these accessible for weeds and water plants. Even old residues of metals are dissolved and used as a nutrient. Fruit acids and the chelating agent will also stabilize the alkalinity (kH value). Bound phosphates are also made accessible as a nutrient and will be absorbed by the blanket weed and reach as far as the chalk skeleton of the blanket weed. This chalk skeleton dissolves and the decay of the blanket weed starts. The phosphate level rises when ALG-STOP is being used, this happens because of the binding of all nutrients in the water. This is not harmful for fish, plants and other pond inhabitants, as well as birds, dogs, cats etc. This measurable phosphate is a nutrient for the water plants, but not for the blanket weed, which will cause the starvation of the blanket weed.

ALG-STOP non-toxic (food grade quality!), can not be over-dosed and is absolutely harmless for fish and plants. It can even be eaten by humans, because it does not contain algicides or biocides. It is a remedy which removes the cause and, thanks to the working ingredients, keeps your pond clean from weeds, because they stop growing.

Dosage: 365 grams per 10.000 litres. **Usage:** For the proper effect the doses need to be adjusted to the exact water volume, preferably a little bit more than too little. The first month you need to dosage 3 times 365 grams per 10.000 litres (every 10 days). Dissolve the Alg-Stop in a watering can with warm water and pour alongside the edges. For maintenance dosage 1 time a month. When the blanket weed has died it can be removed through the filter system or pond vacuum cleaners. If the dosage will be repeated, the blanket weed will not return.

TYPE	ARTNR.	EURO
2,5 Kilo	SC810	38,95
5 Kilo	SC812	72,00



OXYPER

code 812

Oxyper (previously Peroxyd) is not a chemical, but an active oxygen preparation that affects the cell structure of the algae, which makes them smaller or disappear.

Improvement of the water quality

In ponds surplus like uneaten food, fish droppings and organic build up, which will cause anaerobic sludge. These processes cause the declining of the oxygen in the water, which causes a lot of stress among the fish. Stress declines growth of the fish and makes them vulnerable to diseases. By using Oxyper the water quality clearly improves. Thanks to Oxyper the water exceeds in oxygen, which improves the life quality the fish demand. At the same time the colour and clearness of the water improves and becomes pure. Furthermore Oxyper fights blanket weed in a biological way.

Add Oxyper directly into the water or onto the blanket weed. Do not exceed the advised dose.

Important: Do not use if the pH-values exceed pH 8,6. Treatment is allowed to be repeated after 3 days.

DOSAGE: 1000 gram Oxyper is enough for the treatment of approximately 20-50m³ water. The normal dosage of Oxyper is 30 gram/m³ water. The allowed dosage can not exceed 50 g/m³. Small dosages of 10 g/m³ are suited to improve the oxygen level during fish transport. In soft water (carbonate hardness CH < 3° dH, total hardness dH < 6° dH) a lower dosage is sufficient, unless prior to the Oxyper, the water is treated with a product to increase the alkalinity, like Bacta-Pur Bio Balance. When used for the first time, dead leaves and other material can rise to the surface, because of the released oxygen.

TYPE	ARTNR.	EURO
1 Kilo	SC800	12,40
2,5 Kilo	SC802	24,90
5 Kilo	SC804	39,55



NITRATE RESIN

code 363

An ultimate weapon against blanket weed! Unique nitrate selective ion exchange resin which only removes nitrate! Even when the nitrate level is very low, no other substances which could lower the pH value (like calcium sulfate) are removed. This in comparison with other nitrate resins, which are known for years in the aquarium world. Operation: the nitrate ions are exchanged against harmless chloride ions.

Advantages of this resin against conventional resins for nitrate removers:

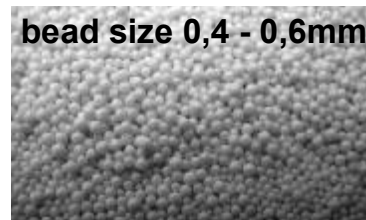
- 1) High capacity, even at high sulfate concentrations
- 2) Amount of sulfate ions in the water remain at the same level
- 3) **No significant change in the pH value**
- 4) Easy to regenerate with NaCl (table salt).

Dosage: 1 litre resin can remove 30 GRAMS/litre nitrate.

The resin can easily be regenerated with NaCl (200 grams of table salt per litre of resin) if the resin is saturated with nitrate. Beadsizes 0,4 - 0,6 mm.

Application: fill a mesh bag with nitrate resin and then place the bag in the biological filter so that the water passes through it completely or put it in a separate filter house and let the water run through it in a by-pass with a flow of ± 5000 liters/hour.

bead size 0,4 - 0,6mm



TYPE	ARTNR.	EURO
Nitrate resin 25 litres	MB550	402,50
Nitrate resin 4 litres incl. resealable mesh bag	MB552	74,40
Separate resealable mesh bag	MB554	3,30



IKS POND PILOT MEASURING & CONTROL SYSTEMS

code 369

The way to a perfect pond! With an experience of more than 10 years, IKS now brings a special pond version of the Aquastar: the Pondpilot. This unit measures, controls and informs.

- Connections for up to eight measuring modules in any combination of which **pH**, **Temperature** and **Oxygen** are **already supplied** with the unit, including a **measuring chamber with flowsensor**.
- Optional modules are: conductivity (EC), Redox, water level and air pressure.
- Possibility to connect up to 32 timeswitches with week/day function to control (air)pumps, (garden)lighting, automatic valves, etc.
- Precise control of all the water values for a natural simulation.
- A system that grows to suit your demands
- Optional remote control and remote alarm per SMS, worldwide on your cellphone!
- Special security concept for dosing acids (pH dosage pump).
- Spacious cabinet to protect the technical components.
- Special measuring chamber (including flow-sensor) to hold the pH-, Temperature-, and Oxygensensors (supplied with the unit).
- Easy to control, quick to install, updates via internet.

The Pondpilot is available in 2 versions: IKS Pondpilot-i (info), and the IKS Pondpilot-c (control) with dosage pump and 4-output switch socket.

TYPE	ARTNR.	EURO
Pondpilot-i (info)	MD102	1650,00
Pondpilot-c (control)	MD104	1775,00
Conductivity (EC) 1003	MD114	255,00
Redoxmodule 1002P	MD112	218,00
Water level module 1005	MD118	104,00
4-output switch socket1012	MD128	132,00
Dosage pump Vario-20 (1,2 l/u, max. 2 bar) 2001	MD130	154,00
External display (4-readings, 10 meters cable) 1013	MD126	299,00
(1015S) SMS controller set, (1016) GSM holder/docking station, (3020) free Siemens cellphone (ask for conditions)	MD124	345,00



measuring chamber with flowsensor (supplied with the unit)



4-output switch socket

With the optional SMS controller you have worldwide control over your pond. You receive all data by SMS! You can prevent damage in time when you are not at home. Alarm even when power lost, but also in case of smoke detection or other alarm thresholds!



for more info: www.iks-aqua.com



FREE CELLPHONE!

KUSURI TEST KITS

code 821

The Kusuri range of visual test kits all feature Palintest® technology components, they are the very best in visual test kits. All kits feature and easy to colour match plastic acetate card and are supplied with non-degradable foil sealed tablets. Each kit will do 30 tests. The trouble with visual test kits is matching the colour to the sample to ascertain a reading, our kits feature an accurate plastic acetate colour strip, when held up to a daylight source, it is far easier to compare than a paper printed chart.

TYPE	ARTNR.	EURO
pH 6.8, 7.0, 7.2, 7.5, 7.8, 8.0, 8.4 (30 tests)	SF630	14,50
Ammonia (NH ₃ /NH ₄ ⁺) 0, 0.15, 0.25, 0.5, 0.75, 1.0, 1.5 mg/l (30 tests)	SF632	18,35
Nitrite (NO ₂ ⁻) 0, 0.1, 0.25, 0.5, 1, 2, 4 mg/l (30 tests)	SF634	14,50
Nitrate (NO ₃ ⁻) 0, 10, 25, 50, 75 mg/l (30 tests)	SF636	18,35



ECO-CHECK 5 IN 1 TEST STRIPS FOR PONDS & AQUARIUM

code 812

Very reliable and easy to read quality test strips.

- pH of 5,5 - 6,5 - 7,0 - 7,5 - 8,0 - 8,5 - 9,5
- KH Alkalinity of 0° - 2,3° - 4,5° - 6,7° - 10° - 17° - 40° dH
- GH Hardness of 0° - 1,4° - 4,2° - 8,4° - 17° - 56° dH
- NO₂ Nitrite of 0 - 0,5 - 1,0 - 3,0 - 5,0 - 10 - 20 mg/litre
- NO₃ Nitrate of 0 - 20 - 40 - 80 - 160 - 200 mg/litre

TYPE	ARTNR.	EURO
5-pad test strips (50 pieces)	SC823	12,40



AMMONIUM TEST STRIPS FOR PONDS AND MARINE- & FRESHWATER AQUARIUM

code 812

- NH₃ Ammonia of 0 - 0,25 - 0,5 - 2 - 6 mg/litre

TYPE	ARTNR.	EURO
1-pad test strip Ammonia (50 pieces)	SC822	19,90



POCKET TESTER FOR pH, EC/TDS & TEMPERATURE

code 363

The most diverse multi-purpose pocket tester on the market! Measures pH, as well as EC/TDS °C!

- Large display (2 lines), waterproof housing, 100% floating capabilities
- automatic calibration position, automatic temperature compensation.

Excl calibration solutions. Look on the next page for the concerning calibration solutions.

TYPE	ARTNR.	EURO
98129	MB267	149,90



POCKET TESTERS

code 363

Large and clear display, pH and EC meter equipped with automatic temperature compensation. pH and Redox/ORP meters equipped with dirt repellent junction. Redox/ORP meter equipped with an accurate Platinum electrode, EC meter equipped with carbon, dirt repellent electrodes. With protection cap, batteries and calibration screwdriver (pH and EC version) The new pHep 4 and DiST 5 have a large display (2 lines), a waterproof housing, 100% floating capabilities A automatic-calibration function.

Pocket testers are delivered without calibration solutions.

Look on the next page for calibration solutions.

TYPE	ARTNR.	EURO
98108 pH (pHep +)	MB260	58,75
98201 Redox (ORP)	MB262	117,50
98302 (TDS)	MB264	58,50
98304 EC (DiST 4)	MB265	58,50
98311 EC/TDS (DiST 5)	MB268	105,00
98127 pH (pHep 4)	MB266	89,90



WATERPROOF PORTABLE O2 METER

code 363

- Measures fast and easy the dissolved oxygen in mg/L,
- Automatic temperature compensation,
- Easy calibration,
- Membrane cover is easy to replace,
- Completely delivered in a suitcase, including sensor with temperature sensor and 4 metres of cable, 2 reserve membrane covers, electrolyte and batteries. (excl. calibration solution)



TYPE	ARTNR.	EURO
9142 (O2)	MB210	620,00

PORTABLE pH, EC & TDS METER

code 363

- Measures fast and simple the pH, EC, and TDS with the same sensor
- Automatic temperature compensation,
- Easy calibration (1 or 2 points),
- Completely delivered with battery (excl. calibration solution).



TYPE	ARTNR.	EURO
9813	MB204	229,00

THERMOMETER

code 363

- Accurate measuring (0,1°C), range from -20,0 up to 100,0 °C
- MB270 has a weighted waterproof sensor with 3 meters of cable for readings at different depths
- MB271 has a pin with 1 meter cable.
- Easy 0,0°C cal-check. Complete with battery.

TYPE	ARTNR.	EURO
98509-01	MB270	61,25
98509	MB271	36,50



CALIBRATION SOLUTIONS

code 363

Calibration solutions for Portable meters and Pocket testers

TYPE	ARTNR.	EURO	PACK
70004P buffer pH 4.01	MB340	25,40	1 (25 x 20 ml sachets)
70007P buffer pH 7.01	MB342	25,40	1 (25 x 20 ml sachets)
70030P EC 12,88 mS/cm	MB344	25,40	1 (25 x 20 ml sachets)
70031P EC 1413 µS/cm	MB346	25,40	1 (25 x 20 ml sachets)
70039P EC 5,00 mS/cm (for DiST 4)	MB348	25,40	1 (25 x 20 ml sachets)
7040L Zero Oxygen test solution	MB350	15,70	460 ml bottle
7021L +240 mV Redox test solution	MB354	23,75	460 ml bottle



MAINTENANCE SOLUTIONS

code 363

Maintenance solutions for Portable meters and Pocket testers. In 460 ml bottles.

TYPE	ARTNR.	EURO
70300L Conservation solution for pH and ORP sensors and testers	MB352	12,95
7061L Cleaning solution for pH sensors and testers	MB353	12,95



HANNA ELECTRONIC ION SPECIFIC METERS

code 363

Beware: Order with associated reagents! (See at the bottom of the page)

TYPE	ARTNR.	EURO
93700 Ammonia	MB250	229,00
93707 Nitrite	MB252	229,00
93728 Nitrite	MB254	219,00
93732 Dissolved oxygen	MB256	313,75
93721 Iron	MB258	229,00
93735 Total hardness (GH in ppm, °fH, °dH and °eH)	MB240	235,00



MULTI RANGE ELECTRONIC ION SPECIFIC METER

code 363

- Professional photometer for ammonia, free- and total chloride, copper, nitrate, nitrite, dissolved oxygen, pH and phosphate (total 13 parameters possible!)
- Completely delivered with 2 measurement cells including button, batteries and 12 VDC transformer.

Note: Order with associated reagents! (See at the bottom of the page)

TYPE	ARTNR.	EURO
C 203 (Multi)	MB230	679,00



REAGENTS FOR ION SPECIFIC METERS

code 363

Reagents at the purchase of the photometer and as a supplement.

TYPE	ARTNR.	EURO	PACK
93703-50 Cuvets Cleaning solution 230ml	MB360	23,95	230ml
93700-01 Ammonia LR (0,00-3,00 mg/l), for C203 and HI 93700	MB370	45,80	100 tests
93707-01 Nitrite LR (0,00-0,35 mg/l) for C203 and HI 93707	MB372	30,15	100 tests
93728-01 Nitrate (0,0-30,0 mg/l) for C203 and HI 93728	MB374	61,70	100 tests
93710-01 pH (6,5-8,5) for C203	MB375	19,40	100 tests
93732-01 Dissolved oxygen (0,0-10,0 mg/l) for C203 and HI 93732	MB376	61,00	100 tests
93721-01 Iron for 93721	MB377	20,30	100 tests
93735-00 Total hardness (0-250 mg/l) for HI 93735	MB378	36,50	100 tests
93735-01 Total hardness (200-500 mg/l) for HI 93735	MB380	36,50	100 tests



SINGLE TESTKITS

code 363

Test kits for a simple and economical analysis of your pond water.

TYPE	ARTNR.	EURO	NUMBER OF TESTS
3810 Dissolved oxygen (0-10 mg/l)	MB300	63,75	100
3812 Total hardness (GH) (0-300 mg/l)	MB302	23,75	100
3811 Alkalinity [also Carbonate hardness (KH)] (0-300 mg/l)	MB303	38,80	100
3824 Ammonia (0-2,5 mg/l)	MB304	31,25	25
3835 Dissolved oxygen (0-40 g/Kg)	MB306	55,00	100
3873 Nitrite (0-1 mg/l)	MB308	33,50	100
3874 Nitrate (0-50 mg/l)	MB310	35,20	100
3881 pH (6,0-8,5)	MB312	35,20	100



COMBINATION TEST KIT SALT- & FRESHWATER AQUARIA

code 363

- Ammonia (0-2,5 mg/l),
- Nitrate (0-50 mg/l),
- Nitrite (0-1 mg/l)
- pH (6,0-8,5)
- Including reagents for 50 tests from each parameter

TYPE	ARTNR.	EURO
3893	MB322	67,80



REAGENTIA FOR TEST KITS

code 363

TYPE	ARTNR.	EURO	PACK
3824-025 Ammonia in freshwater (0-2,5 mg/l)	MB404	20,40	25 tests
3873-100 Nitrite (0-1 mg/l)	MB408	19,45	100 tests

