Fish Transport Tanks

www.Aqua-Tech.eu

Fish Transport Tanks

Overview

Transport-tanks for live-fishes are usually made from plastic material (polyethylene or polyester), where PE-tanks are preferably used in the recreational area (hobby) and RGP-tanks especially in the professional area (farmer). This live-fish transport-tanks often have a splash-proof cover or sometimes at least a splash-proof border, and also an outlet valve (for water) and an outlet sluice (for fishes). For longer transports (>8 h) or warmer regions, the transport tanks should be double-walled (isolated) and have a white colour, at least outside, as this light colour reflects the sunrays better and the water does not warm up so quickly, than in dark tanks. At warmer weather, the transport water can also be chilled with ice. At longer transports (>12 h) even an exchange of transport water could become necessary.

The transport density (fish to water) ranges, depending on transport duration and temperature as well as fish size and species, from about 1:2-5 to 1:10-20. At shorter transports and low temperatures as well as larger fishes and robust species, higher transport densities are possible, than at longer transports and high temperatures as well as smaller fishes and susceptible species. Before the transport takes place, the fishes are usually not feed for minimum 1-7 days, depending on transport duration and fish size. After 2-3 days without feed, the excretions (ammonium and faces) are reduced for about 50 % and the oxygen consumption is reduced for about 25 %.

During the transport of live fish, special care must be taken to an appropriate supply of oxygen. This can be archived by the use of air trough compressors or the use of pure oxygen trough pressure cartridges or liquid tanks. The usual method is to supply the gas (air or oxygen) trough punched pipes, perforated hoses or prose diffusers in small bubbles into the water of the fish tank. For this purpose, usually 1-2 litre oxygen per minute per 100 kg of fish is used. If air instead of oxygen is used, at least the 5-fold amount is needed, because air has just approx. 21 % oxygen. An alternative is the recirculation of the transport water trough pumps and the distribution of the water onto the water surface in the tank. At a low transport density (fish to water) it is usually enough to just recirculate the water for the supply of oxygen. With the splashing of water on the surface of the transport water, oxygen (O_2) is introduced and carbon-dioxide (CO_2) degassed; the build-up of foam is also reduced.

We offer a complete product range of single- or double-walled life-fish transport-tanks, made from green polyethylene (PE) or white polyester (RGP), with a volume of 0.1-3.0 m^3. Alternatively we offer also live-fish transport-tanks which are made to individual dimensions, with or without fish outlet sluice and with or without water outlet valve. Oxygen-cartridges with pressure reducers and flow meters as well as pressure hoses and rubber diffusers are available as accessories for all of our transport tanks.

Consulting:

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Fish Transport Tanks

Selection

PE-Tanks

With one or two cover closures
and single or double handles

RGP-Tanks

Double-walled (isolated) left and
single-walled (non-isolated) right

Optimal value for price!

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Fish Transport Tanks

Specifications

Single-walled

Model	Smaller life-fish transport-tanks								
Type	**PT130**	**PT170**	**PT200**	**PT350**	**PT500**	**TB350**	**TA0600**	**TA0800**	**TA1000**
Volume (l)	130	170	200	350	500	350	600	800	1000
Length (cm)	80	105	80	105	130	120	100	115	120
Length max.*	95	120	95	120	145	121	117	132	137
Wide (cm)	60	60	80	60	90	55	80	90	105
Height (cm)	35	35	40	67	50	61	89	89	89
Height max.*	38	38	43	70	53	71	99	99	99
Cover (cm)	55x35	80x35	55x55	80x35	100x65	75x40	75x60	75x60	75x60
Sluice (cm)	non					non	33x29	33x29	33x29
Outlet (inch)	1 ¼					1 ¼	2	2	2
Weight (kg)	on request					40	67	78	99
Material	PE (polyethylene + aluminium)					RGP (polyester + stainless steel)			
Colour	green					white			
Isolation	non					non			
Sieve	no					yes			
Properties	closures, handles, outlet					outlet	slide gate		
Accessories	diffuser and air-pump (12 V/DC)					diffuser	corners, diffuser, chute		

Double-walled

Model	Larger life-fish transport-tanks								
Type	**TT0800**	**TT1000**	**TT1200**	**TT1400**	**TT1600**	**TT2200**	**TT2600**	**TT2800**	**TT3000**
Volume (l)	800	1000	1100	1350	1600	2250	2550	2800	3150
Length (cm)	120	130	170	170	210	222	222	222	222
Length max.*	130	140	185	180	227	240	240	240	240
Wide (cm)	90	100	105	105	105	105	120	105	105
Height (cm)	85	85	75	90	88	112	112	136	152
Height max.*	100	100	100	115	113	137	137	152	168
Cover (cm)	75x60	75x60	110x75	75x60	110x75	110x75	110x75	75x60	75x60
Sluice (cm)	33x29	33x29	40x30	33x29	40x30	40x30	40x30	33x29	33x29
Outlet (inch)	2	2	2	2	2	2	2	2	2
Weight (kg)	115	125	150	165	200	250	260	285	310
Material	RGP (polyester + stainless steel)								
Colour	white								
Isolation	foam plate (2 cm)								
Sieve	yes								
Properties	splash-proof cover, anti-slip surface								
Options	slide gate, mounting corners, rubber matt								
Accessories	diffuser and chute								

*Length max. and Height max. are total dimensions with outlet and handles resp. sluice and cover.
All dimensions are approximately (±1 cm).

Made in the European Union!

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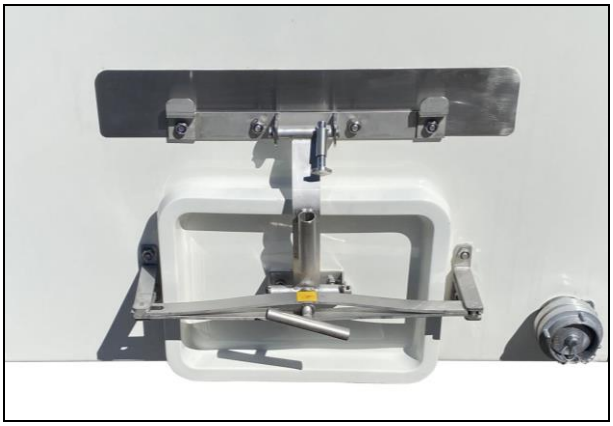
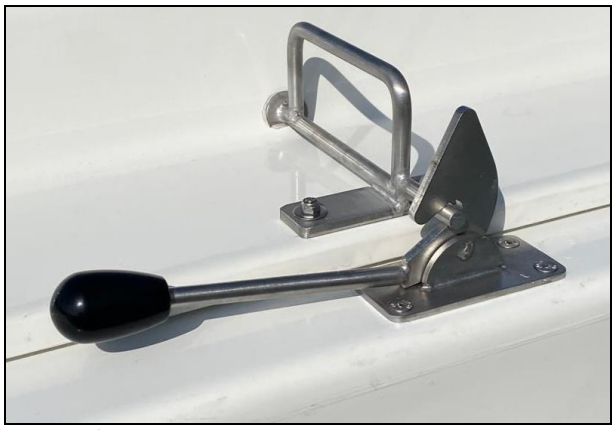
Properties



Splash-proof cover and outlet sluice



Cover arresting and cover closure

Slide gate (optionally) and diffuser (accessory)

Quality for reasonable prices!

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Accessories

Rubber diffuser and pressure hoses

Rubber matt and mounting corners

Outlet chute or outlet funnel

If questions please contact:

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Fish Transport Tanks

Alternatives

Transport tanks to individual dimensions

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Examples

Consulting:

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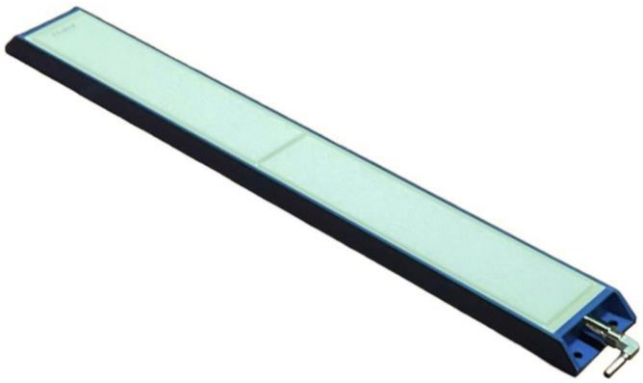
Oxygen Diffusers

Selection

Rubber Diffuser



Ceramic Diffuser

Specifications

Model	**Rubber Diffusers**									
Type/Form	**Frame**									
Length (cm)	50	70	70	80	90	100	80	100	120	150
Wide (cm)	40	40	55	55	55	55	70	70	70	70
Hose (mm)	25									
Connection (mm)	6									
Pressure (bar)	1,0-2,0									
Options	flappable frame, sloping corner, individual dimensions									

Model	**Ceramic Diffusers**				
Type/Form	**Plate**				
Length (cm)	17	27	37	47	67
Wide (cm)	8	8	8	8	8
Plate (mm)[x]	100x60x10	200x60x10	300x60x10	400x60x10	600x60x10
Connection (mm)	8				
Pressure (bar)	1,5-2,5				
Capacity (l/min)*	1,3	2,6	4,0	5,2	8,0
Weight (kg)	0,5	0,8	1,0	1,4	2,0
Options	non				

*Capacity is maximum: Recommended is just ¼ to ½ (as lower the flow as smaller the bubbles).
[x]The two larger diffusers consist of two smaller plates.
All data are average (±10 %).

Quality to reasonable prices!

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