

AQUACULTURE



Gentle Fish Handling for Sustainable Aquaculture

We specialize in advanced live fish handling technologies, offering gentle transfer systems, precise counting and sorting mechanisms, and reliable pumping solutions for marine and land-based aquaculture (RAS) operations.

Our solutions are designed to protect fish welfare, maximize operational efficiency, and support sustainable production.

UNIQUE TECHNOLOGY FOR FISH WELFARE AND EFFICIENCY

CONSTANT AND ADJUSTABLE FLOW:

OUR SYSTEMS DELIVER AN ABSOLUTE CONSTANT, STEADY, AND FULLY ADJUSTABLE FLOW, REDUCING FISH STRESS AND PROTECTING FISH QUALITY DURING TRANSFER.

LOW-STRESS HANDLING ACROSS ALL SIZES:

GENTLE PUMPING AND PRECISE SORTING MINIMIZE PHYSICAL IMPACT, EVEN FOR LARGE SPECIES UP TO 15 KG.

FLEXIBLE INSTALLATION OPTIONS:

SYSTEMS CONFIGURED FOR ONSHORE, SUBMERGED, MOBILE, AND COMPACT INSTALLATIONS, ADAPTABLE TO THE CUSTOMER'S FACILITY DESIGN.

PROVEN EXPERIENCE ACROSS SPECIES AND FACILITIES: BROODSTOCK, SMOLT, POST-SMOLT, GROW-OUT, AND RESEARCH INSTALLATIONS; SPECIES INCLUDING SALMON, TROUT, COD, KINGFISH YELLOWTAIL, SEABASS, SEABREAM, AND MORE.

ADAPTED FOR RAS AND FLOW-THROUGH SYSTEMS: SPECIALIZED DESIGNS FOR BOTH FRESH AND SALTWATER APPLICATIONS, ENSURING CONSISTENT AND RELIABLE PERFORMANCE.

Different configurations according to needs

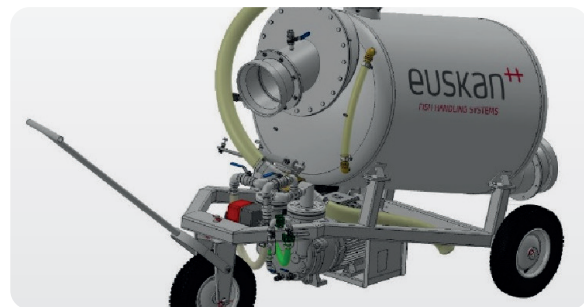
SINGLE TANK SYSTEMS:

Compact designs for intermittent flow operations.



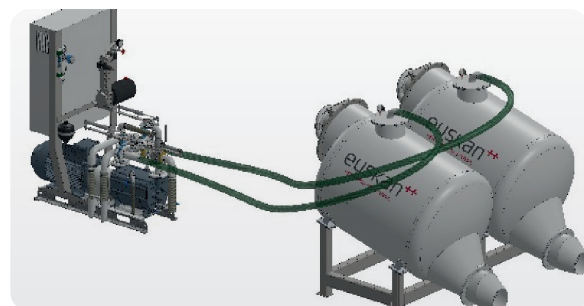
MOBILE SYSTEMS:

Easy-to-transport units for flexible live fish handling in hatcheries and farms.



DOUBLE TANK SYSTEMS:

Fully constant suction with laminar flow for high-capacity, continuous operations.



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System Models and Capacities
Typical system models and performance parameters:

	VSBT MICRO NONOCS	VSBT500MONO CS-11KW	DOUBLE VSB1500-37KW	VSBT3000MONO CS-55KW	DOUBLE VSB4500-75KW	DOUBLE VSB6000-110KW
Volume	80 L	500 L	1500 L	3000 L	4500 L	6000 L
Diameter	2 1/2 "	6"	10"	12"	14"	16"
Electrical equipment	3 kW	11 kW	37 kW	55 kW	75 kW	110 kW
Max. suction height	4 M	4 M	4 M	4 M	4 M	4 M
Max. discharge height	5 M	5 M	10 M	5 M	10 M	12 M
Capacity*	10 m³/h	120 m³/h	200 m³/h	300 m³/h	500 m³/h	650 m³/h
Max. fish size	0,1 kG	0,75 kG	4 kG	6 kG	10 kG	15 kG
Tank dimensions (mm) L / W / H	1150/850/1110	2550/1150/1350	2500/2150/1900	2950/2650/2200	3110/3050/2575	4820/3550/2950
Equipment dimensions (mm) L / W / H	500/605/600	1250/400/1400	1900/1900/1760	1900/600/2065	1900/1900/2275	2500/1900/2275

*Depending on working conditions.

Technical Features

- FLOW CAPACITIES:
Systems from 40 m³/h to 6000 m³/h, handling fish sizes up to 15 kg.
- SUB-WATER LEVEL OPERATION:
Continuous suction even below the suction point height.
- ADJUSTABLE SPEEDS:
Independent adjustment of suction and discharge speeds.
- WIRELESS REMOTE CONTROL:
IP65-rated remote operation for start, stop, and standby.
- SYNCHRONIZATION KITS:
Optimized performance for double tank/double pump setups.
- AIR TRAPS AND HYDROPHORE SYSTEMS:
For laminar water flow and stable pipeline performance.
- CE CERTIFIED:
Built to meet international quality and safety standards.

Customized Solutions

With decades of experience in gentle live fish handling, our technical team offers flexible and customized solutions adapted to the specific needs of aquaculture operations.
Our expertise in constant flow systems, RAS facilities, and sustainable fish logistics allows us to deliver designs that maximize fish welfare and operational efficiency.



Contact our technical office to discuss a tailored solution for your facility.
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