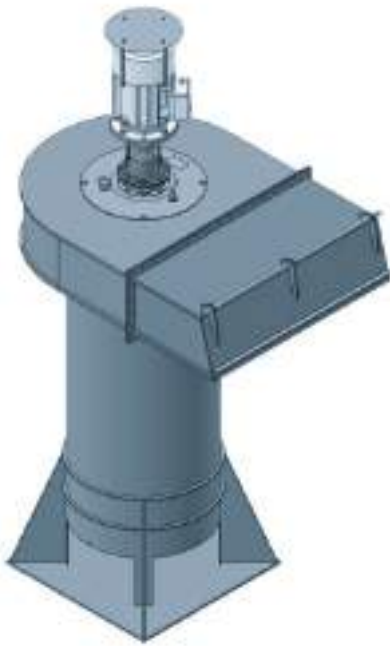


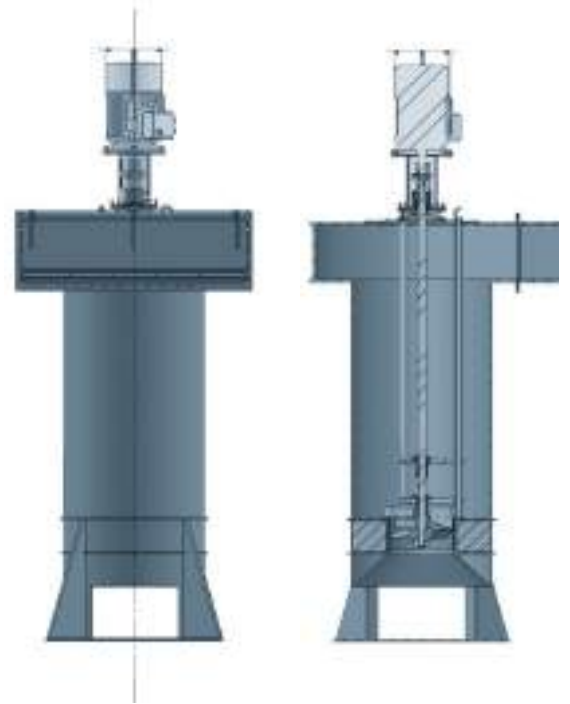
# Propeller Pumps

AUTOMATED FEEDING SYSTEMS FOR AQUACULTURE





Our pumps have been specifically developed for RAS and the reuse of water in aquaculture farms. They produce large flows at low elevation. Their HDPE combined stand and impulsion pipe is unique.



## Technical Features

- A light three legs stainless steel structure links the motor supporting plate and the propeller cage.
- An HDPE stand supports the pump body and channelizes the water flow.
- Water cannot spill over the upper parts of the pump (bearings box and motor).
- External position of the motor reduces maintenance.
- Non-return valve configuration available at the pump mouth.
- Designed for very low submergence of the propeller-minimum water level from the supporting slab: 0.5-0.7m according to models.

## Materials

Pump body is made from AISI 316L resisting to seawater up to 40 ppt and 30°C. Propeller machined in synthetic resin.

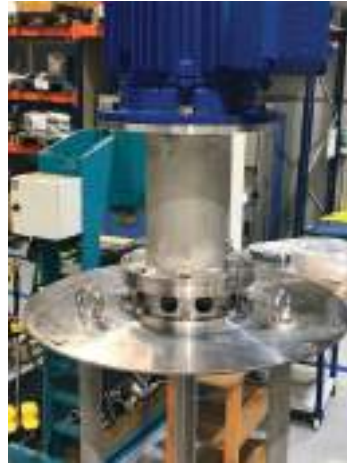
## Main Models

V4-P-100:	designed for 100 l/sec at an elevation of 1.2 m - 3 kW
V4-P-200:	designed for 200 l/sec at an elevation of 1.2 m - 5.5 kW
V4-P-250:	designed for 250 l/sec at an elevation of 1.2 m - 7.5 kW

Other configurations on request.

## Applications

- Developed on purpose for fish, oyster or shrimp RAS.
- Applied in water treatment units into aquaculture facilities when stable continuous flow at constant elevation is required.



## Advantages

- Its robust construction allows for minimized maintenance and continuous operation.
- Easy integration into civil works at farms using the combined stand-impulsion pipe.
- Hydraulic head losses are minimized by design and reduce the energy consumption.
- High machining quality makes the pump very silent and allows for maintenance free sealed bearings.
- During maintenance operations the stand remains in place and only the inner AISI 316 structure of the pump moves out.
- The discharge mouth can be connected into a channel wall or be extended by a rectangular trough for discharging at a distance.
- The HDPE stand is indestructible though 100% recyclable. It can resist to any seawater condition.
- Low rotation speed motors allow for longer life span.



## FEEDING SYSTEMS



Live feed

### HATCHERIES

Pellet 50-800  $\mu$   
 $\varnothing$  Pipe 20 mm



Dry feed



### PRE-GROW

Pellet 1-4 mm  
 $\varnothing$  Pipe 25-40 mm



### ONGROWING

Pellet 4-20 mm  
 $\varnothing$  Pipe 50-90 mm



## EQUIPMENT



Propeller Pumps



Spreaders



Immersion Vaccinator

