

2023

# Live stock Management products



**FAIVRE**



New catalog is new presentation: Our range of machines is extensive. We have presented, through this catalog, our material by fish size. The tabs on the right side of the pages let you know the size fish with which the series matches. We have also renamed certain products in order to be able to easily distinguish each Series. So the 10 Series corresponds to small fish and the 60 Series to the largest. There are 5 distinct Series: 10, 30, 40, 50 and 60. Thus, it is extremely simple to create a set of mutually compatible products. For example : A Pescamotion 10 pump allows you to work with a Helios 10 or 100 grader and Pescavision 10 counters! Go to page 10 and 11 to see the classification of our products by Series.



Claude FAIVRE, founder of the company in 1958

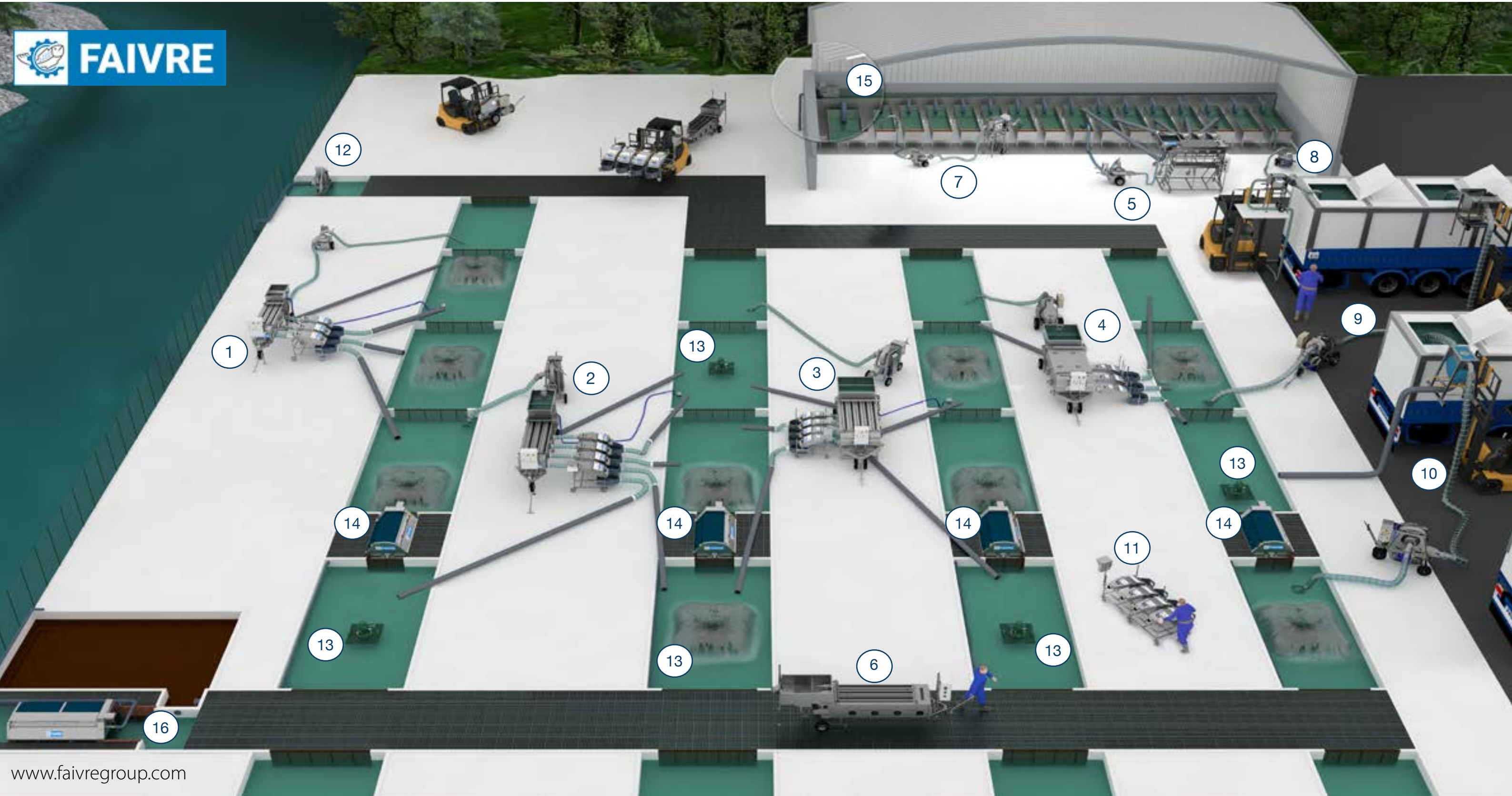
Faivre is a French company, and one of the world leaders in the conception, manufacture and production of aquaculture machines. We employ more than 45 people. Since 1958, thanks to our knowledge of the market and our strong experience in aquaculture, the Faivre company has developed high quality products to satisfy all of your needs, from one product to the full installation. Strength, effectiveness and simplicity are our production values. Let us realize your projects !

Since 1958,  
the Faivre story is ongoing.

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# Example of equipment working on a land based farm



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Catalogue / Catalog  
Live stock management  
Gestion de production

**Harvesting Transfer pack 50**  
Pack chargement gros poissons  
Pour poissons / for fish : 100g - 3,5kg  
Ref.pump : **PV0801** (page 104)  
Ref.dewatering : **TD0801** (page 107)

1

**Grow out Standard pack 30**  
Pack tri base grossissement  
Pour poissons / for fish : 40g - 700g  
3 sizes/3 tailles  
2 - 3 tonnes/hour  
Ref.: **GPST3** (page 66 - 67)

10

**Grow out Transfer pack 40**  
Pack chargement rapide  
Pour poissons / for fish : 100g - 1,5 kg  
Ref. pump : **PH0803** (page 74)  
Ref. dewatering : **TD0801** (page 78)

2

**Grow out Standard pack 40**  
Pack tri ultra grossissement  
Pour poissons / for fish : 40g - 1,5 kg  
4 sizes/4 tailles  
3 - 4 tonnes/hour  
Ref.: **GPST4** (page 98 - 99)

11

**Counting station**  
Station de comptage  
Pour poissons / for fish 5g to 4,5kg  
Ref.: **PESCATROL** (page 164)

3

**Grow out High Capacity pack 40**  
Pack tri super rapide grossissement  
Pour poissons / for fish : 40g - 1,5 kg  
4 sizes/4 tailles  
4 - 6 tonnes/hour  
Ref.: **GPHC4** (page 100 - 101)

4

**Harvesting High Capacity pack 60**  
Pack tri récolte pour gros poissons  
Pour poissons / for fish : 400g - 3,5kg  
3 sizes/3 tailles  
4 - 6 tonnes/hour  
Ref.: **HPHC6** (page 160 - 161)

Catalogue / Catalog  
Water management  
Traitement de l'eau

5

**Hatchery Standard Pack 10**  
Pack tri pour alevinage  
Pour poissons / for fish : 5g - 40g  
4 sizes/4 tailles  
3 - 4 tonnes/hour  
Ref.: **NPST1** (page 36 - 37)

13

**Flobull aerators 0,75kW**  
Aérateur Flobull 0,75kW  
Ref.: **APF0101**

6

**Helios 40 grader**  
Trieur Helios 40  
Pour poissons / for fish : 5g - 1,5 kg  
4 sizes/4 tailles  
3 - 5 tonnes/hour  
Ref.: **TH4436** (page 80)

14

**Drum filter 24 - 160 with frame**  
Filtre à tambour 24 - 160 sur bati  
Mesh / maille 63µ  
Ref.: **FT16024B6A**

7

**Hatchery transfer pack 10**  
Pack Transfer alevinage  
Pour poissons / for fish : 0,2g - 20g  
Ref.: **NPTL1** (page 40 - 41)

15

**Drum filter 2 - 60 on tank**  
Filtre à tambour 2 - 60 avec réservoir  
Mesh / maille 36µ  
Ref.: **FT06002B6A**

8

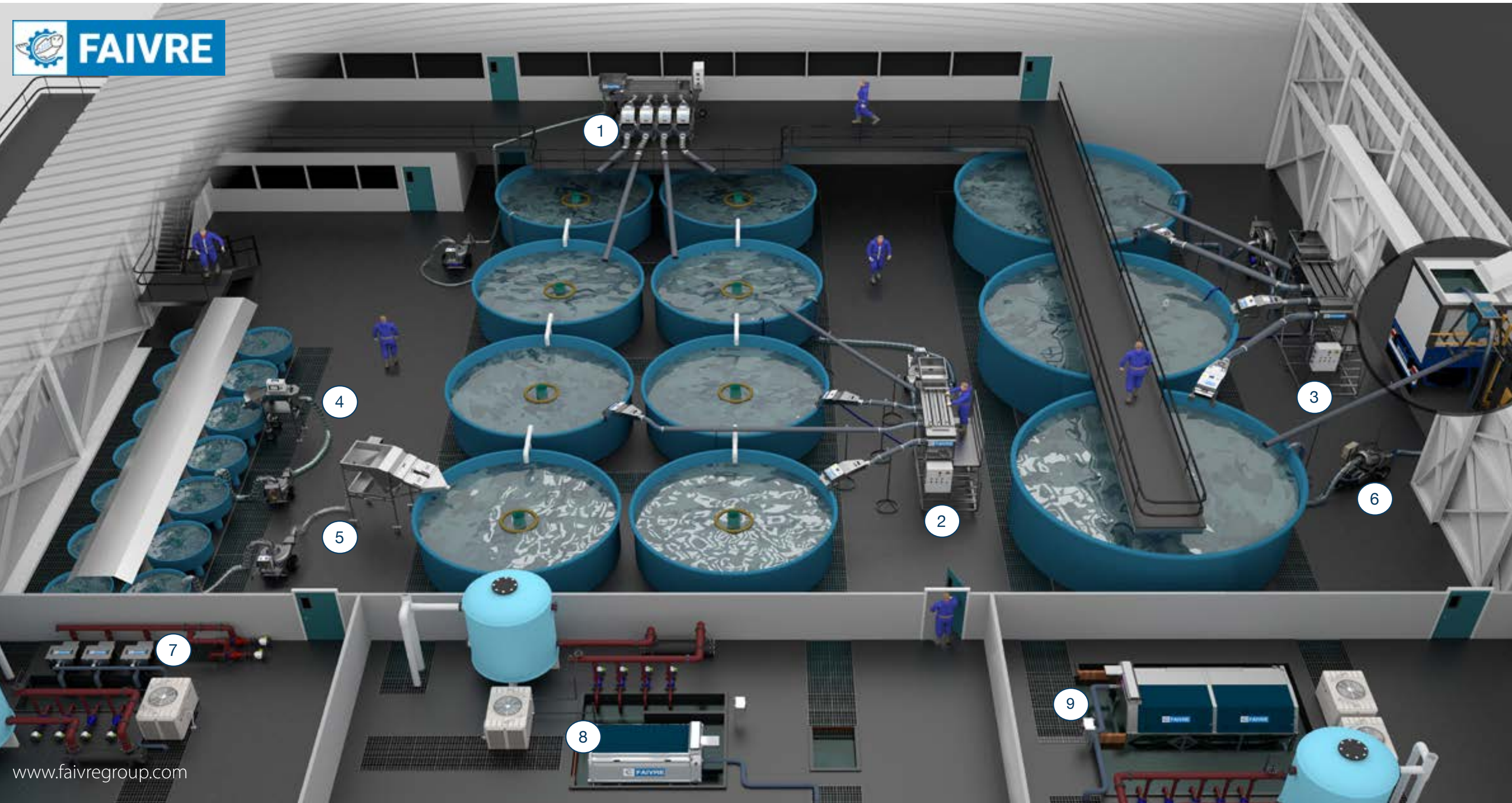
**Hatchery transfer pack 10**  
Pack chargement alevinage  
Pour poissons / for fish : 0,2g - 20g  
Ref.: **NPTL1** (page 40 - 41)

16

**Drum filter 40 - 200 with frame**  
Filtre à tambour 40 - 200 sur bati  
Mesh / maille 80µ  
Ref.: **FT20040B6A**



# Example of equipment working on a RAS farm



1

**Hatchery Standard Pack 10**  
Pack tri pour alevinage  
Pour poissons / for fish : 1g - 120g  
4 sizes/4 tailles  
3 - 4 tonnes/hour  
Ref. : **NPST1** (page 36 - 37)

2

**Grow out standard pack 30**  
Pack tri base grossissement  
Pour poissons / for fish : 40g - 700g  
3 sizes/3 tailles  
2 - 3 tonnes/hour  
Ref. : **GPST3** (page 66 - 67)

3

**Grow out standard pack 40**  
Pack tri rapide grossissement  
Pour poissons / for fish : 40g - 1,5 kg  
4 sizes/4 tailles  
3 - 4 tonnes/hour  
Ref. : **GPST4** (page 98 - 99)

4

**Transfer & counting pack**  
Pack Transfer comptage  
Pour poissons / for fish : 0,2g - 20g  
Ref. : **NPTL1** (page 40 - 41)

5

**Transfer & counting pack**  
Pack transfert comptage  
Pour poissons / for fish : 40g - 700g  
7 - 9 tonnes/hour  
Ref. : **GPTL3** (page70 - 71)

6

**Fish Pump Pescavac 50**  
Pack chargement gros poissons  
Pour poissons / for fish :100g - 3,5kg  
ref. : **PV0801** (page 104)

7

**Drum filter 2 - 60 on tank**  
Filtre à tambour 2 - 60 avec réservoir  
Mesh / maille 36µ  
Ref. : **FT06002C4A**

8

**Drum filter 24 - 160 with frame**  
Filtre à tambour 24 -160 sur bati  
Mesh / maille 63µ  
Ref. : **FT16024B4A**

9

**Drum filter 40 - 200 with frame**  
Filtre à tambour40 - 200 sur bati  
Mesh / maille 80µ  
Ref. : **FTB20040B4A**

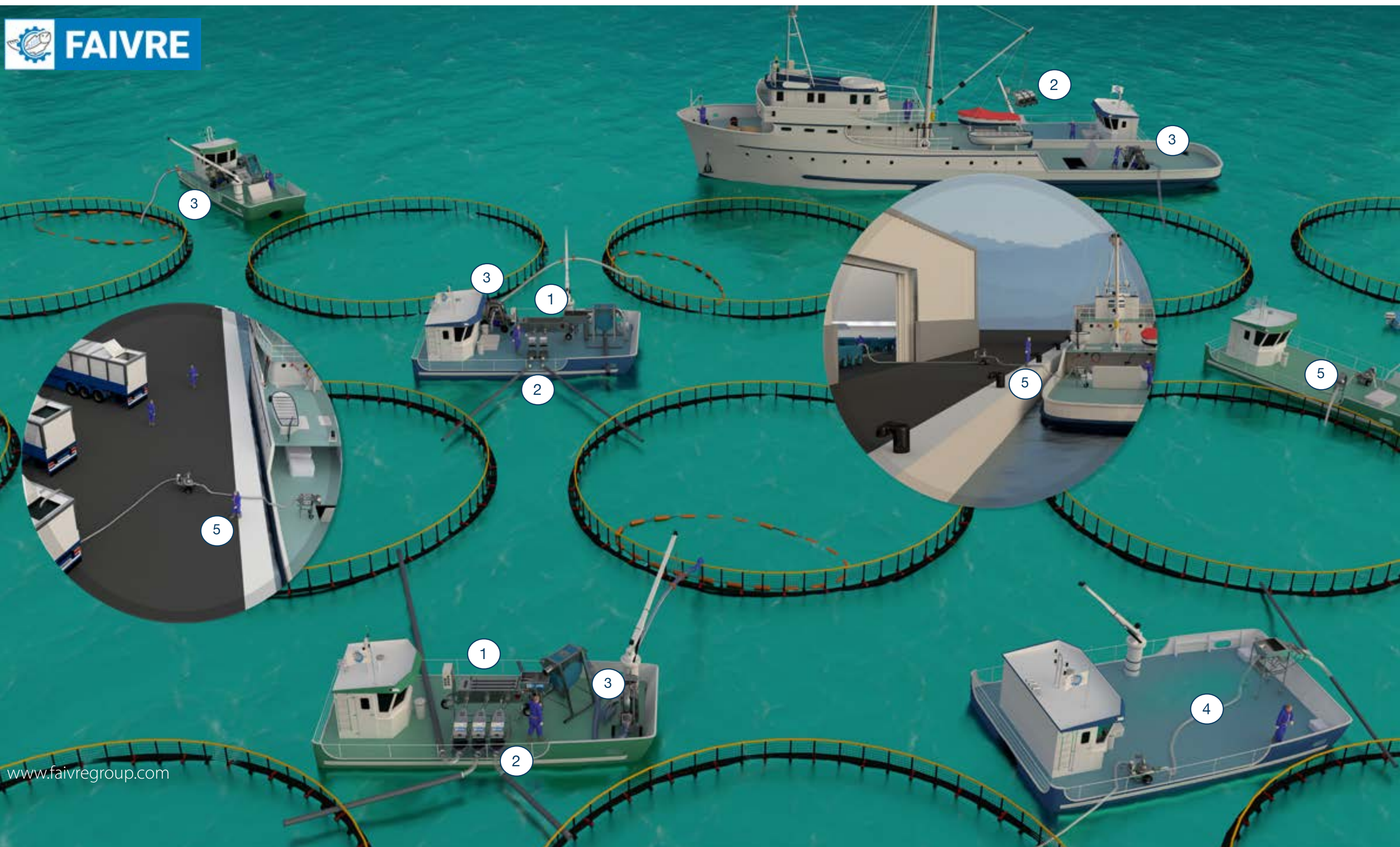
[www.faivregroup.com](http://www.faivregroup.com)

Catalogue / Catalog  
Live stock management  
Gestion de production

Catalogue / Catalog  
Water management  
Traitement de l'eau



# Example of equipment working on a sea farm



www.faivregroup.com

1

Catalogue / Catalog  
Live stock management  
Gestion de production

**Trieur/Helios grader 30**  
Pour poissons / for fish : 5g - 800g  
3 sizes/3 tailles  
3 - 5 tonnes/hour  
Ref. : **TH3036** (page 50)

2

**Counting station**  
Station de comptage  
Pour poissons / for fish 40g to 3,5kg  
Ref. : **PESCATROL** (page 164)

3

**Fish Pump Pescamotion 40**  
Pour poissons / for fish : 40g - 1,5 kg  
4 - 6 tonnes/hour  
Ref. : **PH0803** (page 74)






























4

**Transfer & counting pack**  
Pack Transfer comptage  
Pour poissons / for fish : 40g - 700g  
7 - 9 tonnes/hour  
Ref. : **GPTL3** (page 70 - 71)

5

**Transfer & counting pack**  
Pack Transfer comptage  
Pour poissons / for fish : 0,2g - 20g  
Ref. : **NPTL1** (page 40 - 41)







	Fish pumps			Fish graders			Fish counters	
	<div>PESCAMOTION Propeller fish pump</div>	<div>PESCAVAC Vaccum fish pump</div>	<div>DEWAT Full dewatering</div>	<div>HELIOS Live fish grader Standard</div>	<div>HELIOS Live fish grader High Capacity</div>	<div>HELIOVISION Fish grader</div>	<div>PESCAVISION Led fish counter Standard</div>	<div>Pescasight Camera fish counter Transfer</div>
● Series 10	<div>P.13</div>  <div>Pescamotion 10 (2,5")</div>			<div>P.19</div>  <div>Helios 10</div>	<div>P.19</div>  <div>Helios 100</div>		<div>P.26</div>  <div>Pescavision 10</div>	<div>P.31</div>  <div>Pescasight 100</div>
● Series 30	<div>P.43</div>  <div>Pescamotion 30 (6")</div>		<div>P.48</div>  <div>Dewat 30 (6")</div>	<div>P.49</div>  <div>Helios 30</div>	<div>P.49</div>  <div>Helios 300</div>		<div>P.56</div>  <div>Pescavision 30</div>	<div>P.61</div>  <div>Pescavision 300</div>
● Series 40	<div>P.73</div>  <div>Pescamotion 40 (8")</div>		<div>P.78</div>  <div>Dewat 40 (6" or 8")</div>	<div>P.79</div>  <div>Helios 40</div>	<div>P.79</div>  <div>Helios 400</div>	<div>P.87</div>  <div>Heliovision 40</div>	<div>P.92</div>  <div>Pescavision 40</div>	
● Series 50	<div>P.109</div>  <div>Pescamotion 50 (10")</div>	<div>P.103</div>  <div>Pescavac 50 (8")</div>	<div>P.114</div>  <div>Dewat 50 (8" or 10")</div>	<div>P.115</div>  <div>Helios 50</div>	<div>P.115</div>  <div>Helios 500</div>	<div>P.123</div>  <div>Heliovision 50</div>	<div>P.128</div>  <div>Pescavision 50</div>	<div>P.133</div>  <div>Pescavision 500</div>
● Series 60		<div>P.143</div>  <div>Pescavac 60 (10")</div>	<div>P.147</div>  <div>Dewat 60 (10")</div>	<div>P.149</div>  <div>Helios 60</div>	<div>P.149</div>  <div>Helios 600</div>			
							<div></div> <div></div> <div></div> <div>Compatible with Series</div>	



# 10

## Series

### Hatchery Nursery

- **Salmon / Trout**  ..... 1 g to 40g
- **Tilapia**  ..... 1 g to 40 g
- **Sea Bream**  ..... 1 g to 25g
- **Sea Bass**  ..... 1 g to 25 g

# PESCAMOTION

Propeller fish pump



2,5"



• Pescamotion 10

Page 13



• Helios 10 / 100

Page 19



• Pescavision 10

Page 26



• Pescasight 100

Page 31



• Pack Standard 10

Page 36



• Pack High Capacity 10

Page 38



• Pack Transfer Counting 10

Page 40

Fish Pump

2,5"

10 Series

30 Series

40 Series

50 Series

60 Series



### Pescamotion 10

A new 2,5" (60 mm) fish pump that is light-weight, compact, convenient, and with high performance.

FAIVRE company has developed a new model of Pescamotion to transfer live fish up to 40g\* (Salmonids) and up to 6g with shrimps. The Pescamotion 10 is simply the best small fish pump. Our design team worked for 12 months to develop and optimize the design of the new pump housing and its propeller.

**Ideal for supplying a grader, or transferring from a tank or loading lorries.**

The Pescamotion 10 pump can be easily adapted to every situation.

**Hygiene and disinfection with a "Zero Retention" housing:**

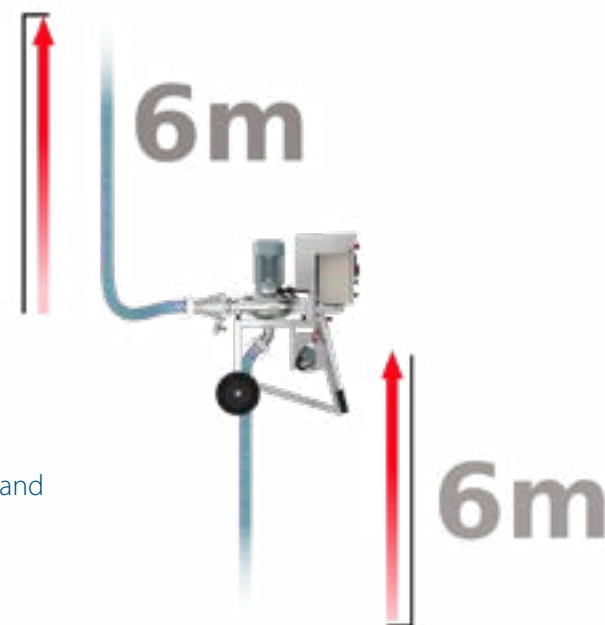
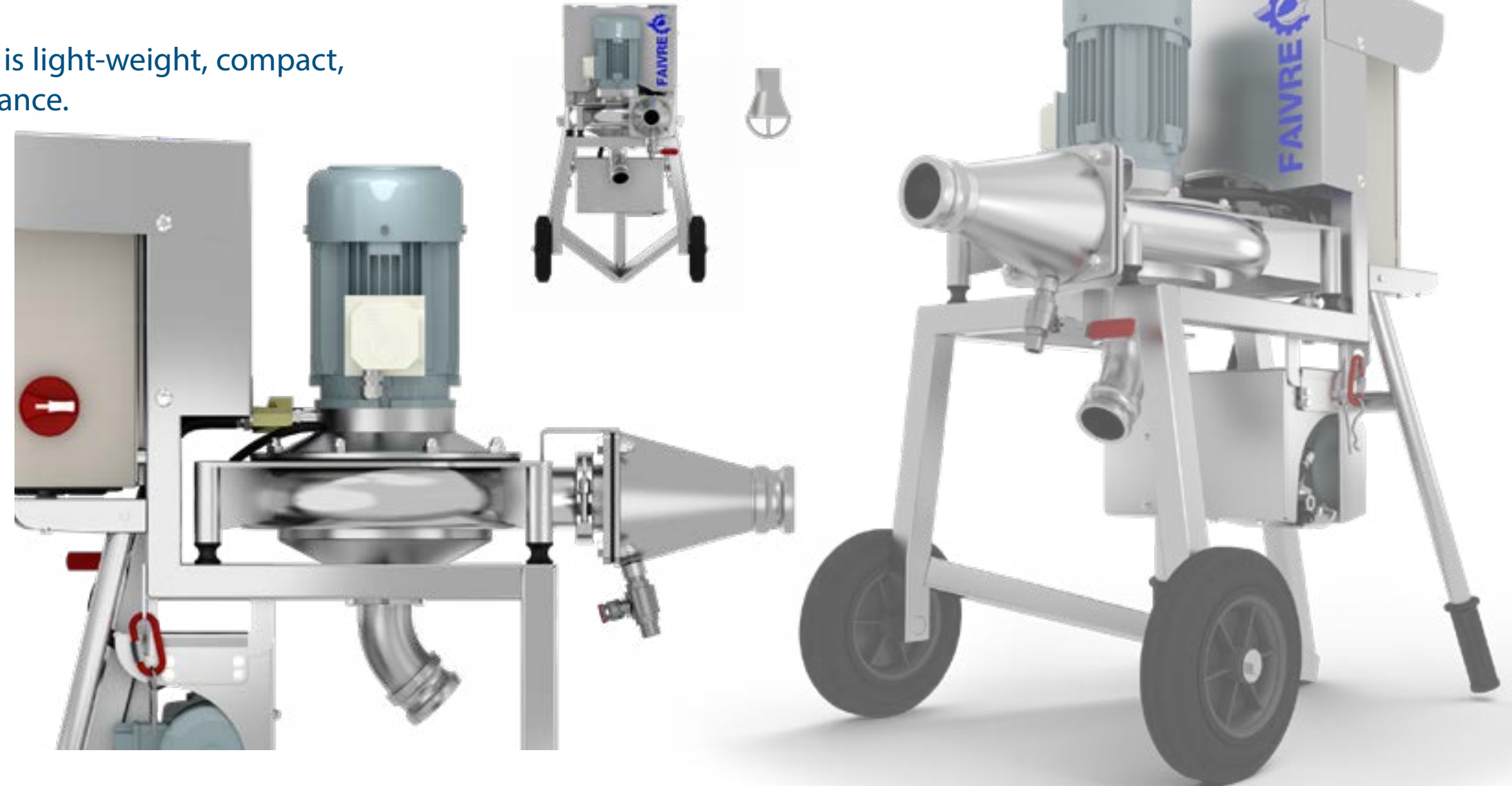
The Pescamotion 10 is intended for hatcheries. We designed it from the start, so that it is very easy to disinfect; this is why the fish outlet is made on the bottom of the pump housing, and not on the top. The outlet on the bottom allowed us to make a drawing of the pump body with zero water retention. Between 2 uses, the empty pump housing dries, which guarantees impeccable hygiene of the pump housing. Disinfection is also greatly facilitated with this design, making the rinsing of the pump body merely a formality.

#### Key benefits :

- ✓ High capacity up to 4 tons/hour
- ✓ For fish up to 40 g (Salmonids)
- ✓ Total dynamic head : 12 m
- ✓ Light and convenient : 92 kg - 445 lbs
- ✓ Remote control optional (200 m - 650 ft)
- ✓ New "Full Auto" priming system
- ✓ Free maintenance with "Direct drive system" pump

Warning : The pump performance may vary according to the height and weight of the fish.

The pump is delivered as standard with a suction cone.



Box Control Full schneider electrique



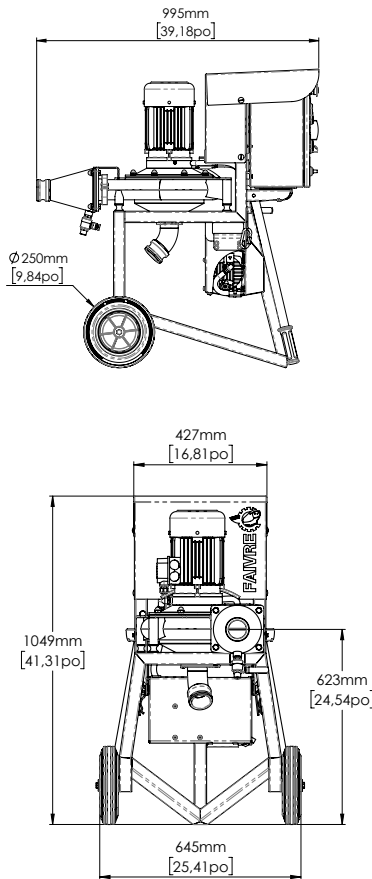
Description

- 1 Electrical main motor
- 2 AISI 316L Stainless steel pump housing
- 3 Intlet fish pump (Ø 2,5" - 63 mm)
- 4 AISI 316L Stainless steel frame
- 5 Forklift system
- 6 Folding handles on hinge
- 7 Control box
- 8 Speed variator
- 9 Outlet fish pump (Ø 2,5" - 63 mm)



Specifications

Fish pump model	PESCAMOTION 10
Main drive motor power	1,5 kW
Main drive control	Frequency variator
Priming pump	300 W
Inlet Ø	(60 mm) 2,5" male cam lock
Outlet Ø	(60 mm) 2,5" male cam lock
Total dynamic head	12 m - 39 ft
Fish weight max.	40 g Trout/Salmon
Fish weight max.	30 g Bass
Fish weight max.	25 g Bream, Tilapia
Pump speed	Up to 1400 rpm
Water flow	42 m3/h - 184 gpm
Weight	90 kg - 445 lbs
Reference (3 x 304 - 528 V 50/60 Hz)	PH0202
Reference (3 x 180 - 264 V 50/60 Hz)	PH0203
Reference (1 x 200 - 240 V 50/60 Hz)	PH0204



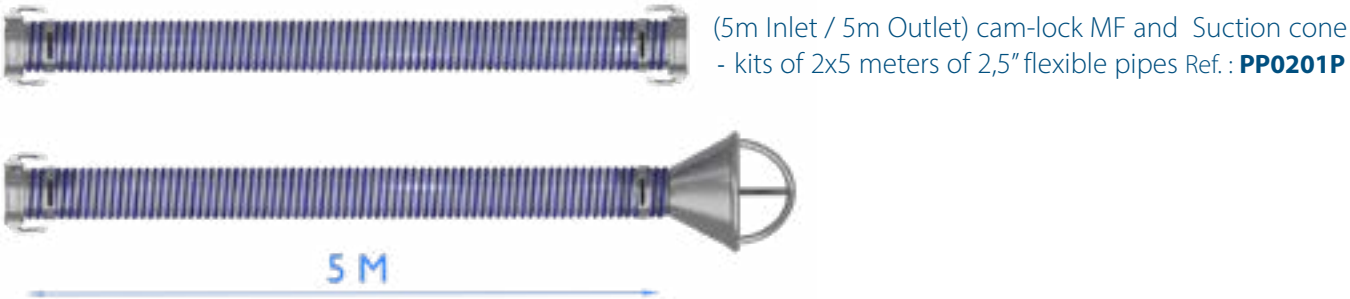
OPTIONS

Remote control

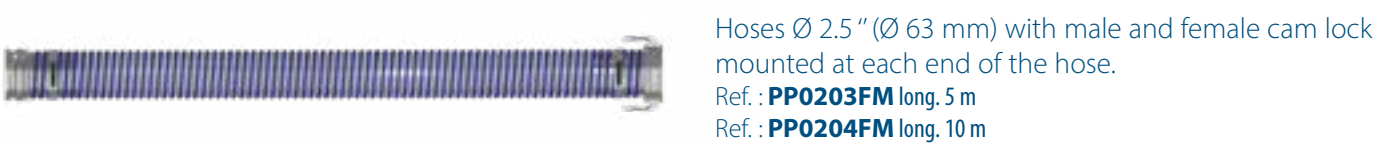
200 meters IP 67 remote control, supplied as an option. Allows a full control of the pump (stop / start, pump priming, pump motor, and speed control)  
Belt clip and docking station included.  
Ref. : **PH00REM2**



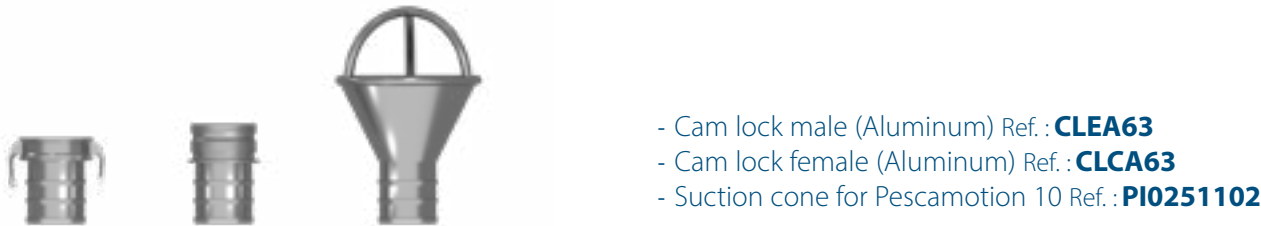
Pack 2,5" Starter kits pack fish pump 2,5"



Semi - transparent, flexible hoses



Option parts for fish pump 2,5"







HELIOS

Live fish grader



• Helios 100



• Helios 10

Fish Grader

2,5"

Series

10

Series

30

Series

40

Series

50

Series

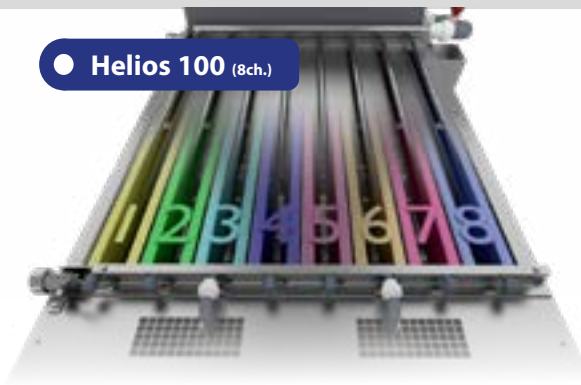
60

8-10"





● Helios 10 (5ch.)



● Helios 100 (8ch.)

## HELIOS 10 - 100 GRADER : for alevin and small fish

1 g - 120 g  
5 or 8 channels  
4 sizes

HELIOS 10 - 100 is a high precision grader with a huge capacity. It is made to efficiently grade smolts, Sea Bream, Sea Bass, Tilapia...  
Light and easy to handle, HELIOS 10 - 100 is adapted to every situation.  
It is made to meet the needs of hatchery farms.

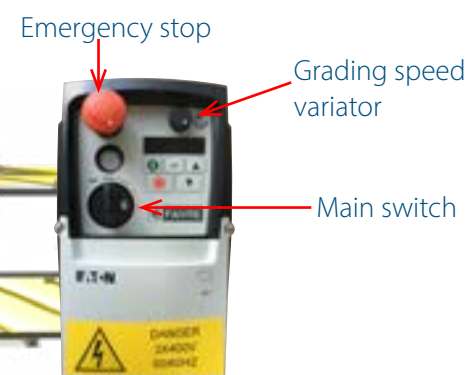
Compact and light graders:

- ✓ 5 or 8 grading channels of 1600mm length.
- ✓ 8 x Ø 125 mm outlets on both side.
- ✓ Made of polyester and AISI 316L/AISI 304L Stainless steel.
- ✓ An elaborate watering system fitted with adjustment gates.
- ✓ A grader fitted with the performing SPS Technology made for a high speed grading and without injury.
- ✓ Electronic adjustable grading speed.

Reception tank for Pescavision :  
- Ø 200 mm Ref. : **CBRC200**  
- Ø 250 mm Ref. : **CBRC250**



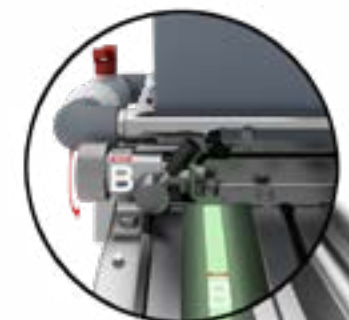
Helios 10 working in Sea Bass hatchery



Fish grader IP 67 electric panel.



Accurate adjustment vernier.





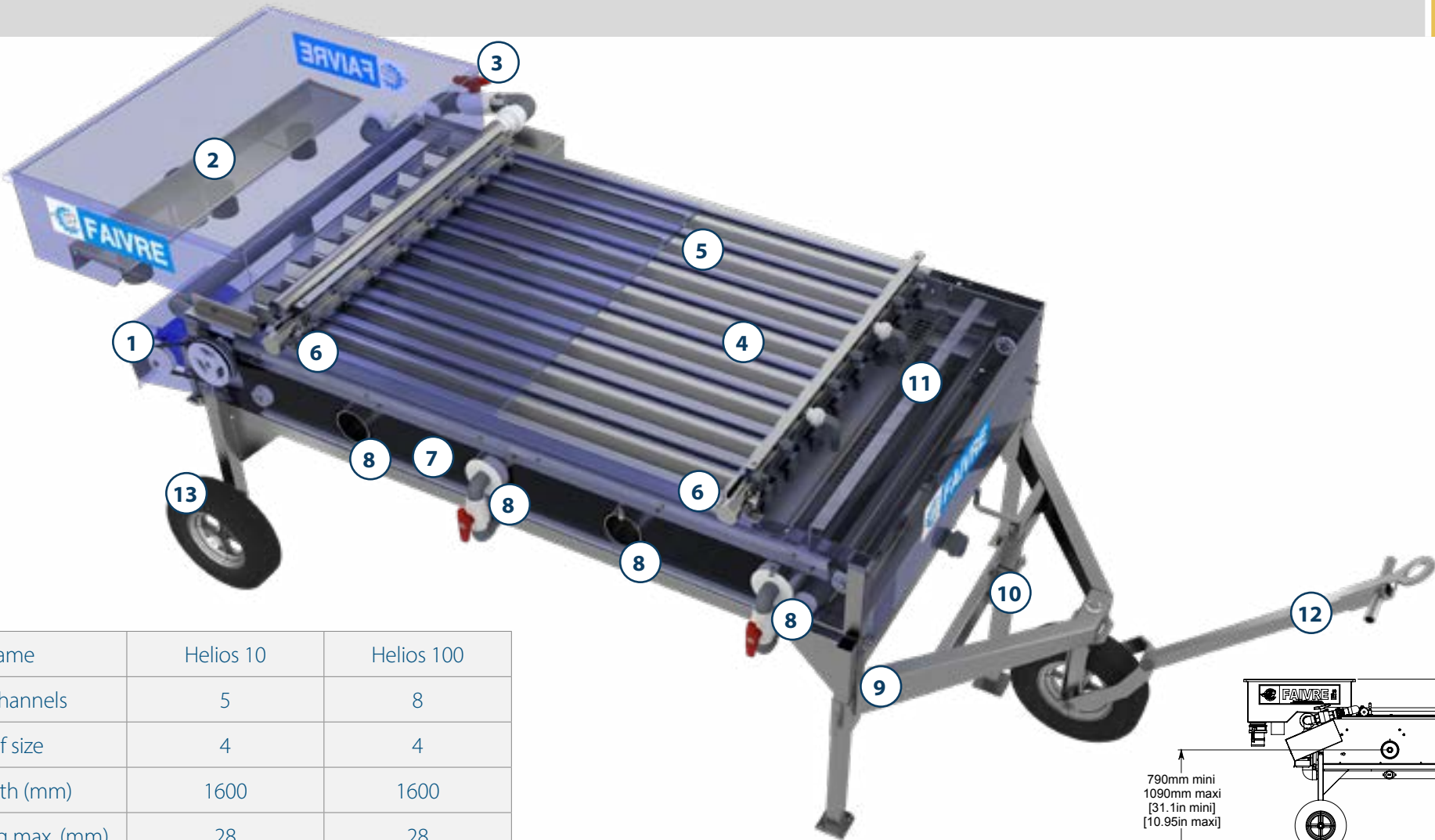
- IP 55 geared motor and drive belt
- Fish inlet hopper
- Water supply to channels, adjustable with a valve
- Grading plane
- Water ramp into each channel for watering fish
- Channel adjustment vernier (x2)
- Receiving hoppers
- Fish outlets
- AISI 316L Stainless steel frame
- Front lifting jack
- Fish conveying fingers
- Towbar
- Inflatable tires Ø 400 mm (16in)

Specifications

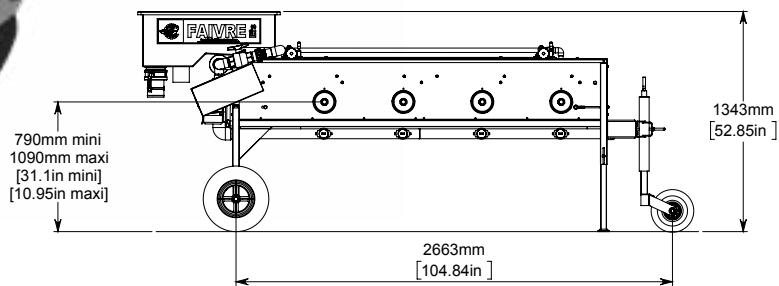
Grader name	Helios 10	Helios 100
Number of channels	5	8
Number of size	4	4
Channel length (mm)	1600	1600
Channels opening max. (mm)	28	28
Number of outlets	8 x 125 mm	8 x 125 mm
Weight min. - max. Trout/Salmon	1 g - 120 g	1 g - 120 g
Weight min. - max. Bass/Bream	1 g - 50 g	1 g - 50 g
Weight min. - max. Tilapia	0,5 g - 50 g	0,5 g - 50 g
Hourly capacity (fish/h) of 1 g	about 100.000	about 120.000
Hourly capacity (fish/h) of 5 g	about 60.000	about 100.000
Approx. weight	280kg	520kg
Motor power (50 Hz)	0,25 kW	0,25 kW
Water pump need flow (m³/h)	20	20
References sea water	TH1056	TH1086

The grader motors are available in 4 supply voltages (add the desired voltage reference to the grader reference for your requests):

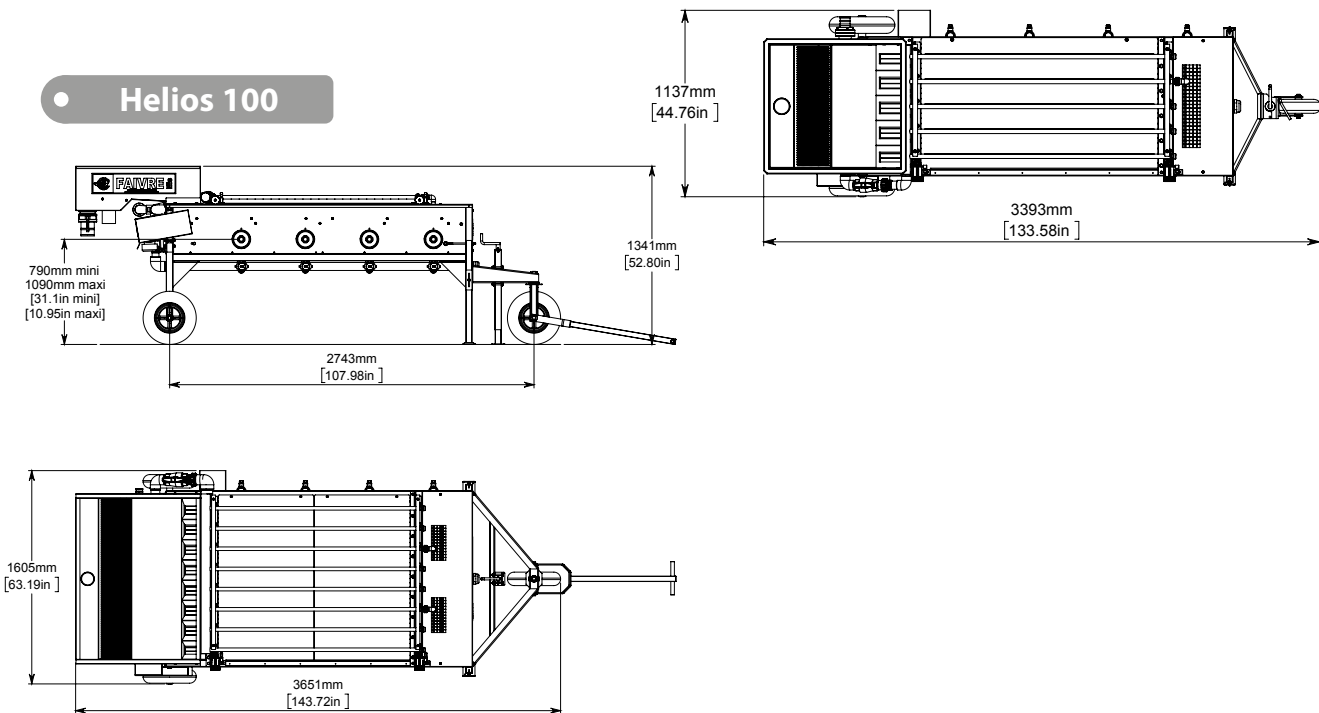
- Three phases 342 - 528 V 50/60 Hz      Ref. : **400T**
- Three phases 180 - 264 V 50/60 Hz      Ref. : **230T**
- Single phase 180 - 264 V 50/60 Hz      Ref. : **230M**
- Single phase 110 V 50/60 Hz              Ref. : **110M**



Helios 10



Helios 100





## OPTIONS

### Control box «Packcontrol»

This option considerably reduces the cables left on the ground. Each equipment can be directly connected to this electrical cabinet, which is attached to the sorter. The box allows you to connect and control:

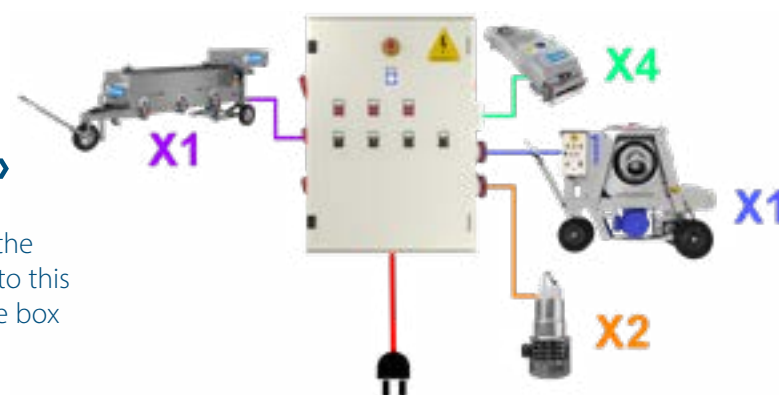
- 1 grader
- 2 water pumps
- 1 fish pump
- 4 counters.

The front panel switches allow each device to be turned on or turned off separately. Thermal circuit breakers ensure the protection of each piece of equipment. A differential switch protects the operators.

Ref. :

- 3 x 342 - 525 V 50/60 Hz inlet voltage Ref. : **THC0024**
- 3 x 164 - 264 V 50/60 Hz inlet voltage Ref. : **THC0022**
- 1 x 230 V 50/60 Hz inlet voltage Ref. : **THC004\***

\* water pump max. 2,2kW with a single phase



### Dewatering hopper

Inlet hopper to plug a fish pump fitted hoses and dewatering box system regulated by slide gate valve.

For Helios 10 grader :

- Ø fish pump pipe 4" (hopper included in the grader price) Ref. : **TH105DEWU**

For Helios 100 grader :

- Ø fish pump pipe 4"

Ref. : **TH108DEWU**



### Water pump for grader

A suitable water pump must be connected to the grader in order to grade the fish without damage. We can offer you a Stainless steel submersible pump adapted to your machine. This pump has a Stainless steel strainer to suck the fish, it is delivered with 2.5m flexible hose and fittings, adapted to the grader.

For Helios 10 grader

- Pump flow 20 m³/h supply voltage 1 x 230 V 50 Hz Ref. : **TPOW10I6M5**
- Pump flow 20 m³/h supply voltage 3 x 400 V 50 Hz Ref. : **TPOW10I6T5**

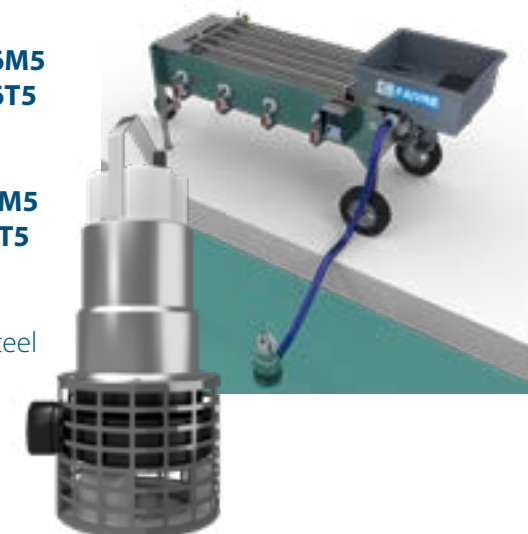
For Helios 100 grader

- Pump flow 30 m³/h supply voltage 1 x 230 V 50 Hz Ref. : **TPOW30I6M5**
- Pump flow 30 m³/h supply voltage 3 x 400 V 50 Hz Ref. : **TPOW30I6T5**

Accessories

- 5 m flexible hose Ø 50 mm (2 ") and storz fitting plus 90 ° Stainless steel elbow to connect the pump to the grader Ref. : **TPOHLINK50**

60 Hz pump on request.



### Brushes for fish graders (for grading delicat fish)

For Helios 10 grader :

- 36 brushes ( inclined) Ref. : **TH150330**
- 36 brushes ( straight) Ref. : **TH150331**

For Helios 100 grader :

- 36 brushes ( inclined) Ref. : **TH180330**
- 36 brushes ( straight) Ref. : **TH180331**



### Adapter cam lock 4" to 2,5"

- 4" female to 2.5" male aluminum reduction Ref. : **PH041111**



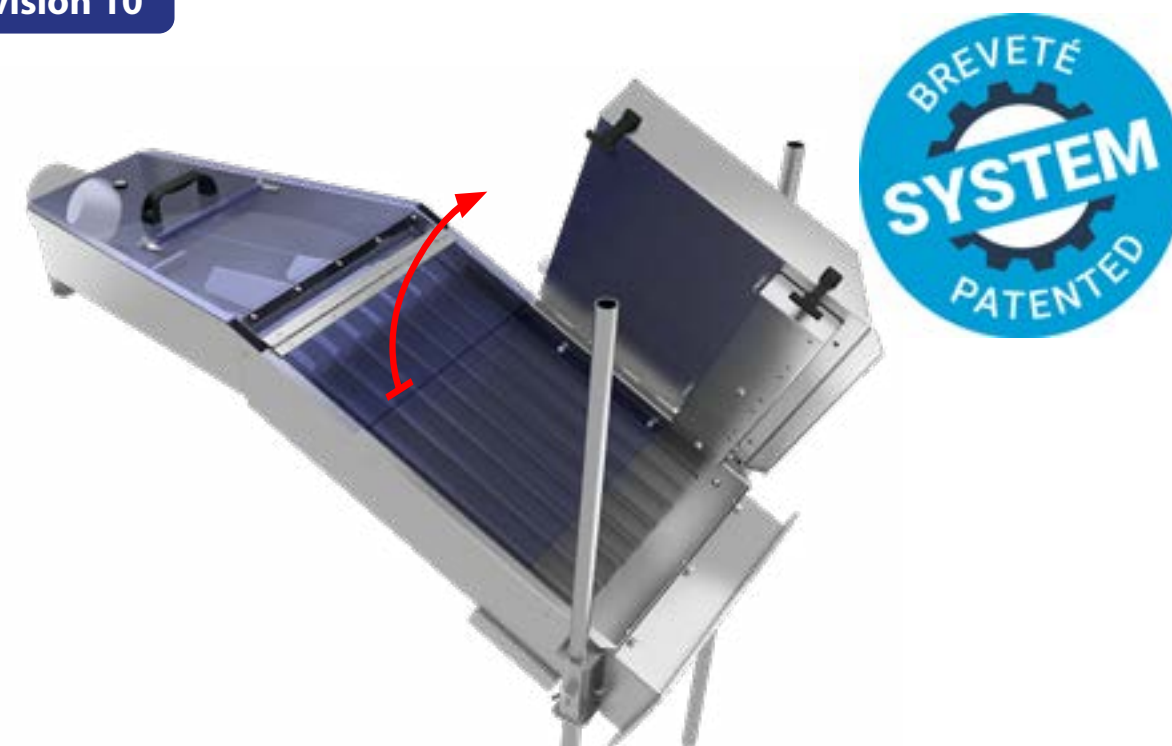


# PESCAVISION

## Led fish counter



### Pescavision 10



The Pescavision 10 has an easy-to-open access to the 8 channels. For example, to clean the electronic photo sensors.

# PESCAVISION

## Led fish counter

### Fish counters for counting Fish weight 5 g to 150 g.

They offer an unparalleled ease of use.. It can be installed very quickly.

The Pescavision 10 model meets the needs to count the fish ranging from 5g to 150g.

It is designed to be placed at the outlet of the grading machine, thereby centralizing the equipment and reducing the installation time. With this system, no more counters at the end of the pipes.

Our Pescavision can count many fish species, including:

- Trout
- Salmon
- Tilapia
- Carp
- Perch
- Sea Bass
- Sea Bream
- Etc...





## Fish counter Pescavision 10



Hatchery/Nursery  
equipment  
10 Series



The principle behind this counter is simple. A beam emitted by a LED crosses each channel. The fish that go through the beam give a counting pulse. The fish dividers ensure that the fish go through the beam one by one.



The NEW optional control box can centralize counting information up to 4 fish counters  
Ref : **PESCA4CO**



A Helios 10 grader coupled with four (4) Pescamotion 10 fish counters and a reception tank.

Reception tank for Pescavision :  
- Ø 200 mm Ref : **CBRC200**



Easy to use !  
Large touch screen counter display.  
All information in a single display:

- Number of fish for each counter
- Total number of fish
- History of the 5 last counting sessions
- Counting time



\*Download the counting report on your PC with the USB key.

(\*Control Box only)

Fish Counter

2,5"

10 Series

6"

30 Series

40 Series 6-8"

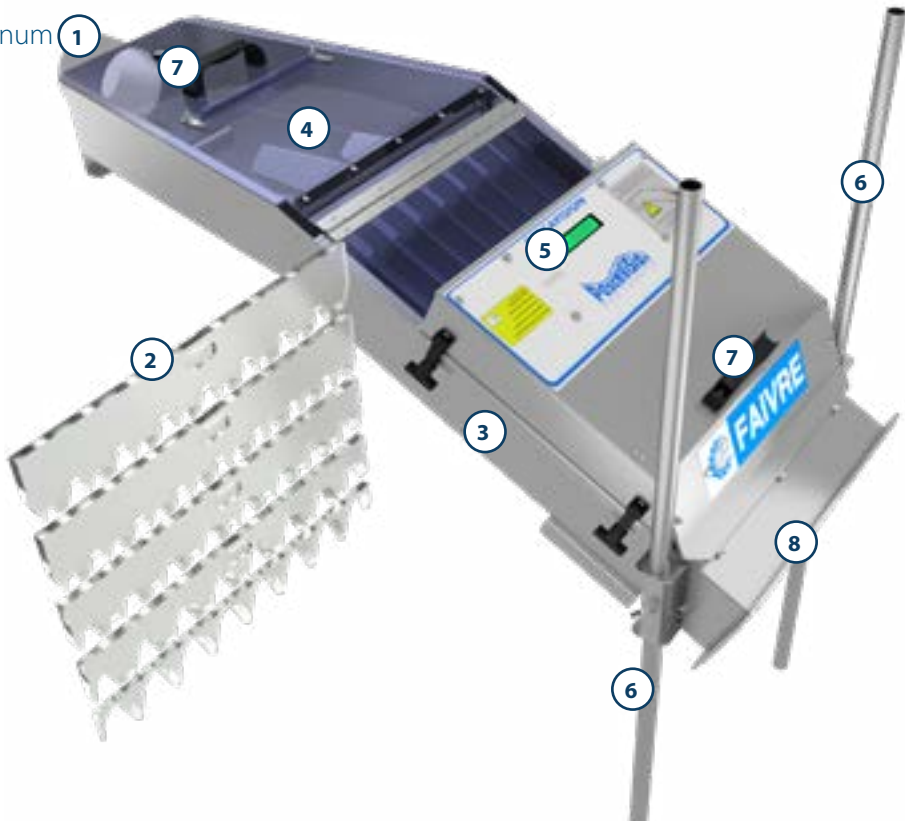
50 Series 8"

60 Series 8-10"



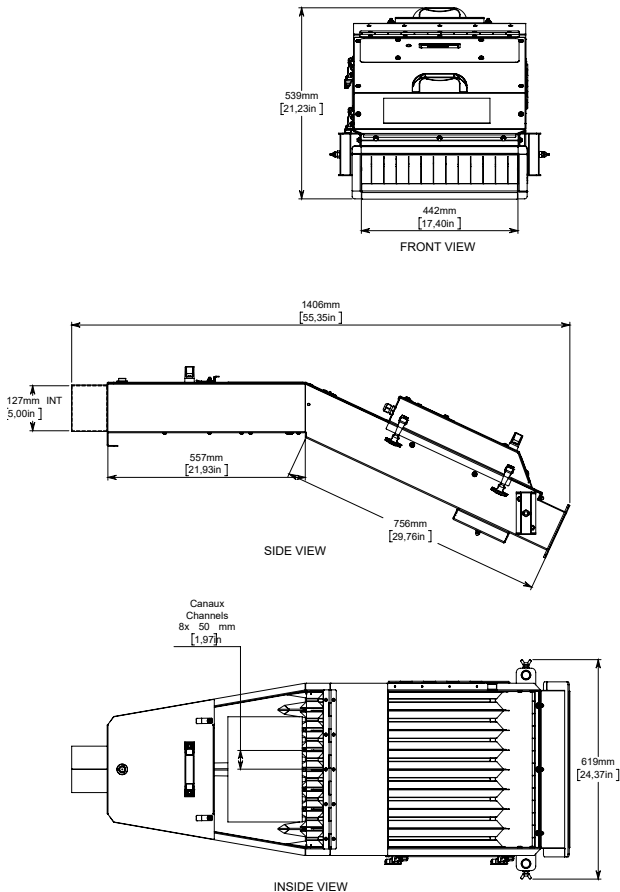
Description

- ① Fish counter inlet female Ø 125 mm
- ② Fish dividers (Our fish counter is delivered with 5 fish dividers)
- ③ Fish counter body in marine grade aluminum
- ④ Channel access with cover
- ⑤ LCD display : number of fish
- ⑥ Counter feet
- ⑦ Carry handles
- ⑧ Fish counter outlet



Specifications

Fish counter model	PESCAVISION 10	
Fish species	Trout Salmon Bass	Bream/Tilapia
Fish weight	5 g to 150 g	5 g to 30 g
Capacity (maxi)	1,5 t/h 35 000 fish/hour	
Number of channels	8	
Channel width	50 mm	
Connection diameter	125 mm	
Accuracy	98% - 100%	
Weight	25 kg - 55 lbs	
Voltage 50/60 Hz	Delivered with 110 - 240 V/24 V power supply	
Reference (Fresh and sea water)	PESCA10	



Pescasight

Camera fish counter





## Counting Fish weight 0,2 g to 20 g.

Designed to be placed at the outlet of a fish pump, for loading trucks or fish transfer.

This fish counter has the latest technology and its ease of use is unparalleled. Its installation on site is quickly made.. Expected to cover the counting needs from 0,2 g to 20 g with fish and 1g to 6g with shrimps. Maximum hourly flow of 650 000 fish per hour with 0,5 g fish.

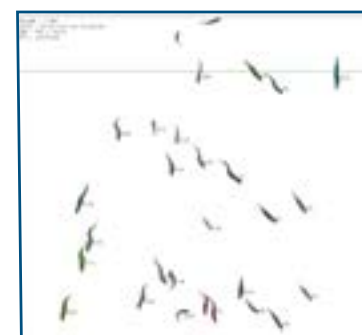
Our technology allows for average weight fish during the counting.

At the end of the counting operation, it is possible to connect a USB key to save the counting report and the video for verification purposes.

Designed to be placed at the outlet of a fish pump for loading trucks or fish transfer.



Pescasight 100 working in Sea Bream hatchery



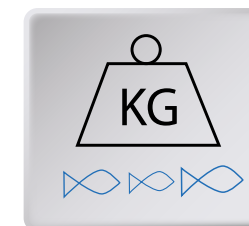
Video for verification



A large touch screen allows the operators to check the counter and to display information.



Counting report

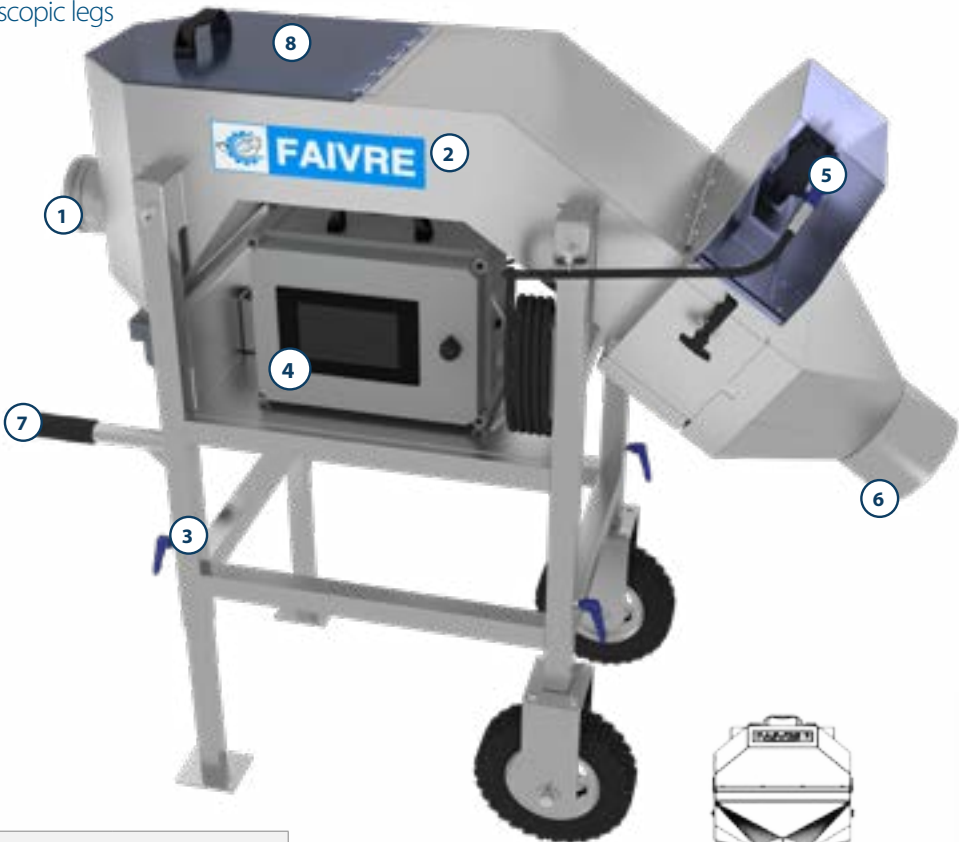


Average fish weight as standard



Description

- 1 Fish counter inlet female Ø 63 mm - 2,5 in male camlock
- 2 Fish counter body in marine grade AISI316L stainless steel
- 3 AISI 316L stainless steel frame with 4 telescopic legs
- 4 12"Touch screen control unit
- 5 Counting unit with camera
- 6 AISI 316L Ø 150 mm fish outlet
- 7 Carry handles
- 8 Chanel Acces cover



PESCAVISION

Led fish counter

Pescasight

Camera fish counter

HELiOS

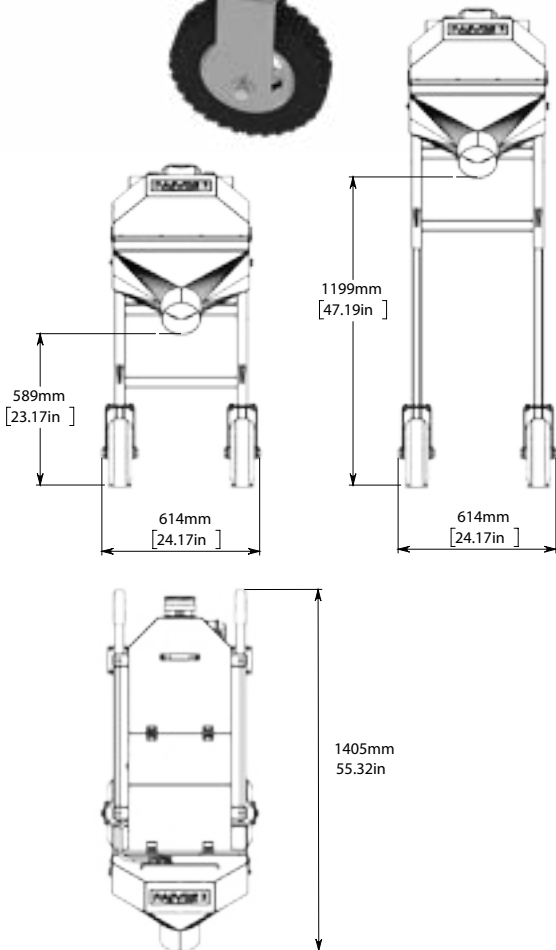
Live fish grader

PESCAMOTION

Propeller fish pump

Specifications

Fish counter model	Pescasight 100	
Species	Trout Salmon	Bass/Bream/Tilapia/Carps/Perch
Size	0,2 g to 20 g	0,2 g to 20 g
Hourly flow (maxi) with 0,5 g fish	650 000 fish/h	650 000 fish/h
Hourly flow (maxi) with 1 g fish	350 000 fish/h	350 000 fish/h
Channel quantity	1	
Counting channel width	400 mm	
Inlet connection	2,5" male cam lock (60 mm)	
Outlet connection	125 mm	
Accuracy	98% - 100%	
Average fish weight	Included	
Video verification	Included	
Weight	Approx. 75 kg	
Voltage 50/60 Hz	100 - 240 V single phase	
References	PESIG100	





Standard Pack

Up to 1000 kg/hour

- 4 sizes :
- 1 Pescamotion 10 fish pump(0,2 g - 40 g)
  - 1 Helios grader 10 (1 g - 40 g) / 5 channels
  - 1 Water pump 20 m³/h
  - 1 Control box THC002
  - 4 Pescavision 10 fish counters (5 g - 150 g)
  - 4 Reception tanks CBRC 200

Fresh and Sea water pack

Ref. : **NPST1**

5g to 40g



Trout / Salmon

5g to 25g



Tilapia

5g to 25g

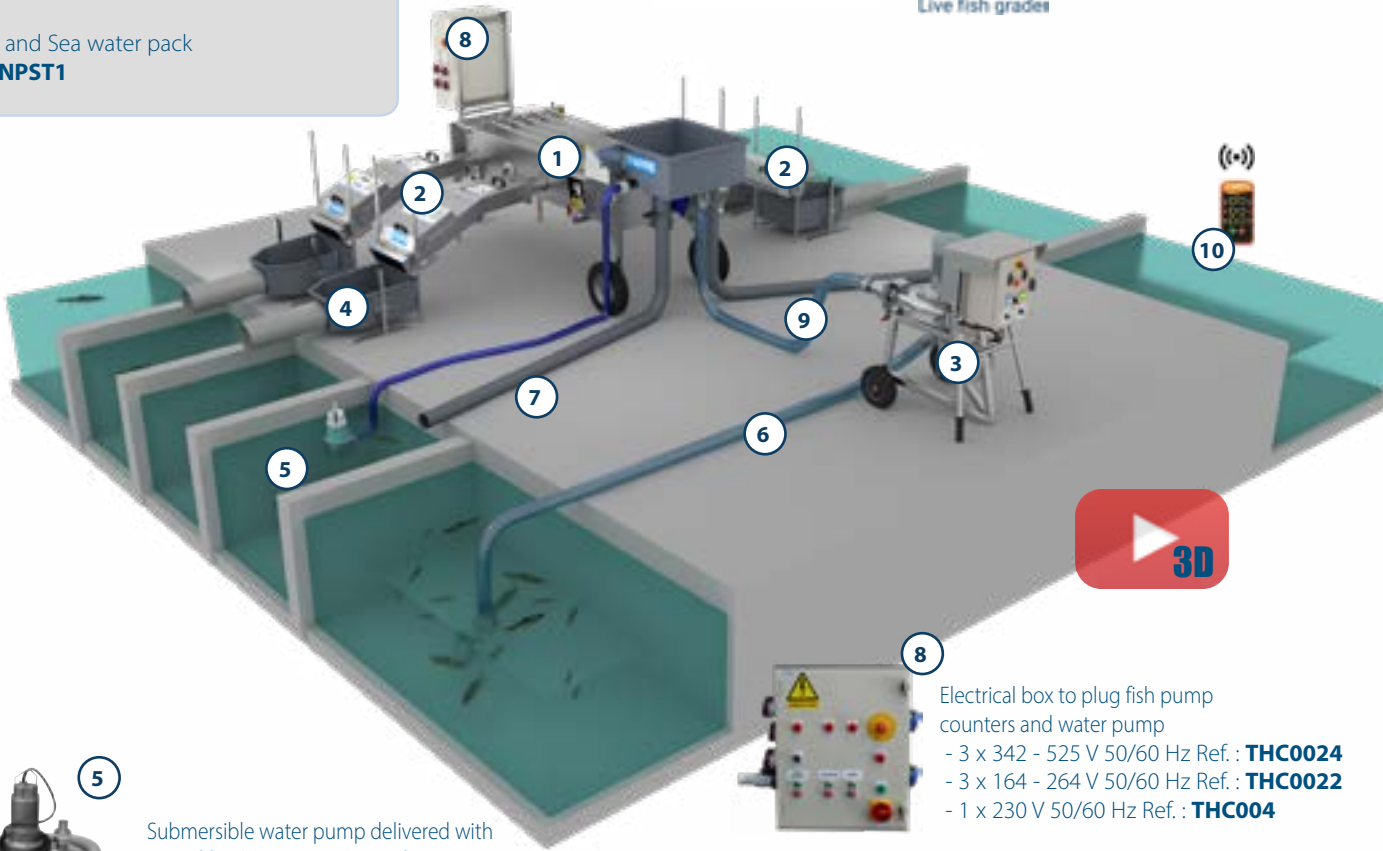


Sea Bream

5g to 30g



Sea Bass

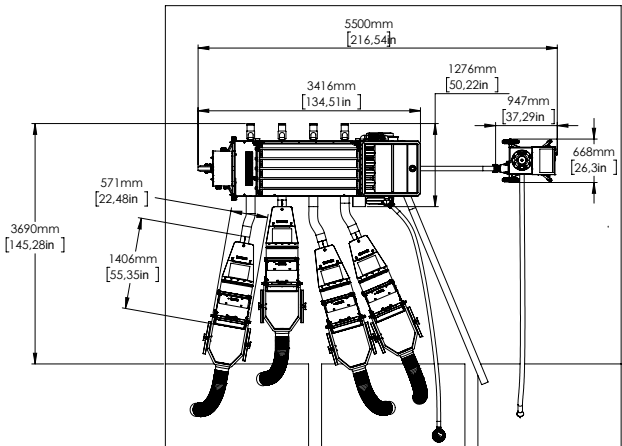
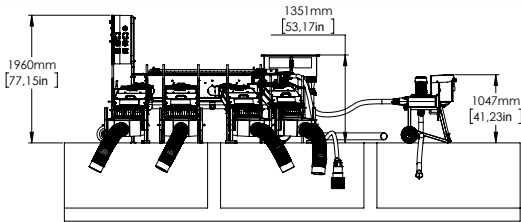


Submersible water pump delivered with 5 m of flexible pipe and storz fittings to plug at the grader

Ref. (Sea water 316L) : **TPOW10I6T5**

Electrical box to plug fish pump counters and water pump

- 3 x 342 - 525 V 50/60 Hz Ref. : **THC0024**
- 3 x 164 - 264 V 50/60 Hz Ref. : **THC0022**
- 1 x 230 V 50/60 Hz Ref. : **THC004**



- ① Helios fish grader 10
- ② 4 Pescavision 10 fish counters
- ③ Fish pump Pescamotion 10 (Ø 63mm - 2,5 in)
- ④ 4 Reception tanks outlet Ø 200 mm
- ⑤ Submersible water pump 20 m3/h
- ⑥ 5 m suction flexible pipes Ø 63 mm (2,5 in)
- ⑦ 5 m dewatering pipes Ø 150 mm (6 in)
- ⑧ Grader Control box
- ⑨ 5 m discharge flexible pipes Ø 60 mm (2,5 in)
- ⑩ Fish pump remote control

Pescavision 10



Specifications

Fish counter model	PESCAVISION 10	
Fish species	Trout Salmon / Bass	Bream/Tilapia
Fish weight	5 g to 150 g	5 g to 30g
Capacity (maxi)	1,5 t/h 35.000 fish/hour	1,5 t/h 35.000 fish/hour
Number of channels	8	8
Channel width	50 mm	50 mm
Connection diameter	125 mm	125 mm
Accuracy	98% - 100%	98% - 100%
Reference (Fresh and sea water)	<b>PESCA10</b>	

Pescamotion 10



Specifications

Fish pump model	PESCAMOTION 10
Main drive control	Frequency variator
Prime drive motor	0,3 kW
Inlet Ø	(60 mm) 2,5" male cam lock
Outlet Ø	(60 mm) 2,5" male cam lock
Total dynamic head	12 m - 40 ft (6 m suction and 6 m discharge)
Fish weight max. (Trout/Salmon)	40 g
Fish weight max. (Bass/Bream/Tilapia)	25/30 g
Water flow	45 m³/h - 198 gpm
Reference (Fresh and sea water)	<b>PH0202</b>

Helios 10



Specifications

Grader model	HELIOS 10
Nbr of channels	5
Nbr of size	4
Length of grading channels (mm)	1600
Max. channels opening (mm)	28
Nbr of outlets Ø (mm)	8 x Ø 125
Weight min. - max. Trout/Salmon	1 g - 120 g
Weight min. - max. Bass/Bream	1 g - 50 g
Weight min. - max. Tilapia	0,5 g - 50 g
Hourly rate (tons/hour)	1
Reference (Sea water 316L)	<b>TH1056</b>

Power ratings and weights summary

Machines	Power	Weight
Helios fish grader 10	0,25 kW	260 kg - 445 lbs
Fish pump Pescamotion 10	1,5 kW	90 kg - 198 lbs
Fish counter Pescavision 10 (one unit)	0,05 kW	24 kg - 53 lbs
Water pump 20 m3/h	0,55 kW	20 kg - 44 lbs

All packs are given as an example and can be modified according to the customer needs



High capacity Pack

Up to 1500 kg/hour

- 4 sizes :
- 1 Pescamotion 10 fish pump(0,2 g - 40 g)
  - 1 Helios grader 100 (1 g -120 g) /5 channels
  - 1 Water pump 20m³/h
  - 1 Control box THC002
  - 4 Pescasight 15 fish counter (0,2 g - 20 g)
  - 4 Reception tanks

Fresh and Sea water pack

Ref. : **NPHC1**

1g to 20g

Trout / Salmon

0.5g to 20g

Tilapia

1g to 20g

Sea Bream

1g to 20g

Sea Bass

Pescasight  
Camera fish counter

HELIOS  
Live fish grader

PESCAMOTION  
Propeller fish pump

Pescasight 15

Specifications

Fish counter model	PESCASIGHT 15	
Fish species	Trout Salmon	Bass/Bream/Tilapia/Carps/Perch
Fish weight	0,2 g to 20 g	0,2 g to 20 g
Number of channels	1	1
Channel width	400 mm	400 mm
Connection diameter	125 mm	125 mm
Accuracy	98% - 100%	98% - 100%
Voltage 50/60 Hz	100 - 240 V Single phase	
Reference (Fresh and sea water)	<b>PSIG15</b>	

Pescamotion 10

Specifications

Fish pump model	PESCAMOTION 10
Main drive control	Frequency variator
Prime drive motor	0,3 kW
Inlet Ø	(60 mm) 2,5" male cam lock
Outlet Ø	(60 mm) 2,5" male cam lock
Total dynamic head	12 m - 40 ft (6 m suction and 6 m discharge)
Fish weight max. (Trout/Salmon)	40 g
Fish weight max. (Bass/Bream/Tilapia)	25/30 g
Water flow	45 m³/h - 198 gpm
Reference (Fresh and sea water)	<b>PH0202</b>

Power ratings and weights summary

Machines	Power	Weight
Helios fish grader 100	0,25 kW	520 kg - 1146 lbs
Fish pump Pescamotion 10	1,5 kW	90 kg - 198 lbs
Fish counter (one unit)	0,05 kW	75 kg - 53 lbs
Water pump 20 m³/h	0,55 kW	20 kg - 44 lbs

Helios 100

Specifications

Grader model	HELIOS 100
Nbr of channels	8
Nbr of size	4
Length of grading channels (mm)	1600
Max. channels opening (mm)	28
Nbr of outlets Ø (mm)	8 x Ø 125
Weight min. - max. Trout/Salmon	1 g - 120 g
Weight min. - max. Bass/Bream	1 g - 50 g
Weight min. - max. Tilapia	0,5 g - 50 g
Hourly rate (tons/hour)	1
Height (m)	1,40
Reference (Sea water 316L)	<b>TH1086</b>

All packs are given as an example and can be modified according to the customer's needs

- Helios fish grader 100
- 4 Pescasight 15 fish counters
- Fish pump Pescamotion 10 (Ø 63mm - 2,5 in)
- 4 Reception tanks outlet Ø 200 mm
- Submersible water pump 20 m3/h
- 5 m suction flexible pipes Ø 63 mm (2,5 in)
- 5 m dewatering pipes Ø 150 mm (6 in)
- Grader Control box
- 5 m discharge flexible pipes Ø 60 mm (2,5 in)
- Fish pump remote control



Transfer counting Pack

Up to 600 000 fishes/hour (0,5 g)  
- 1 Pescamotion 10 fish pump 2,5" (0,5 - 40 g)  
- 2 x 5 m flexible pipes Ø 63 mm (2,5")  
- 1 Pescasight 100 fish counter (0,2 g - 20 g)

Fresh and Sea water pack  
Ref. : **NPTL1**

0,5g to 20g



Trout / Salmon

0,5g to 20g



Tilapia

0,5g to 20g



Sea Bream

0,5g to 20g



Sea Bass

**Pescasight**  
Camera fish counter

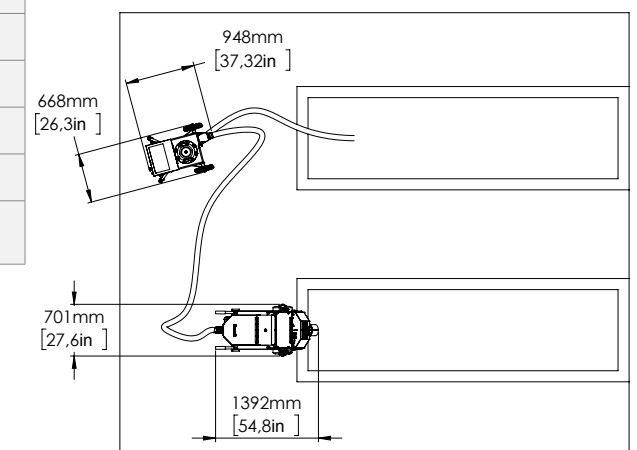
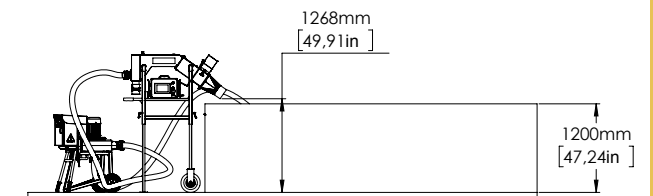
**PESCAMOTION**  
Propeller fish pump

Pescasight 100



Specifications

Fish counter model	PESCASIGHT 100	
Fish species	Trout Salmon	Bass/Bream/Tilapia/Carps/Perch
Fish weight	0,2 g to 20 g	0,2 g to 20 g
Hourly flow (maxi) with 0,5 g fish	650 000 fish/h	650 000 fish/h
Hourly flow (maxi) with 1 g fish	350 000 fish/h	350 000 fish/h
Number of channels	1	1
Channel width	400 mm	400 mm
Connection diameter	125 mm	125 mm
Accuracy	98% - 100%	98% - 100%
Voltage 50/60 Hz	100 - 240 V Single phase	
Reference (Fresh and sea water)	<b>PSIG100</b>	

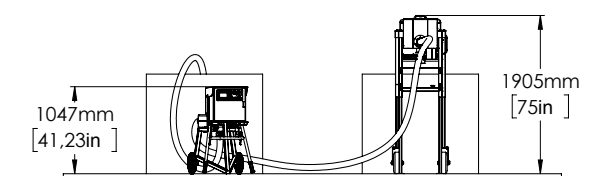


Pescamotion 10



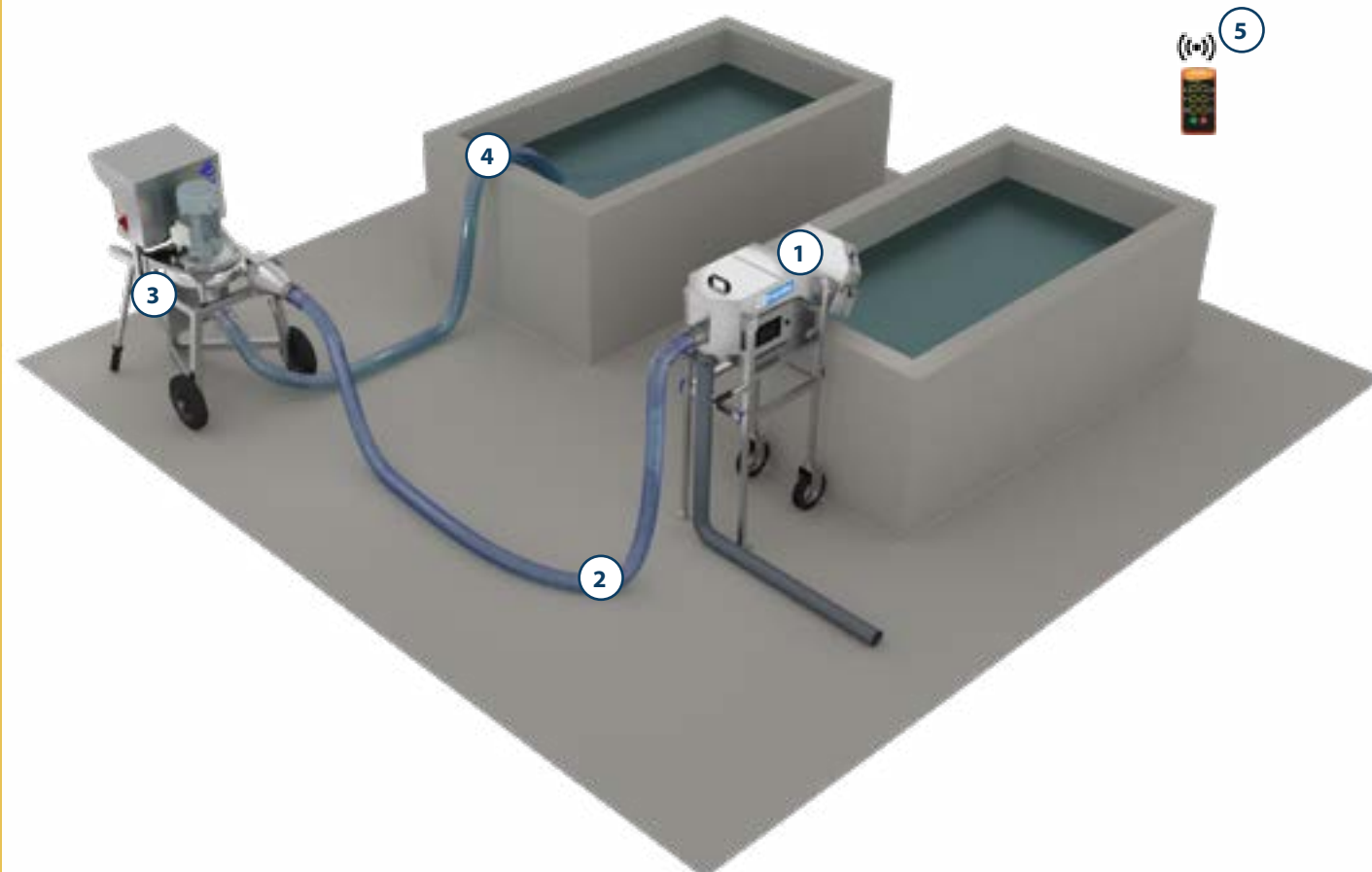
Specifications

Fish pump model	PESCAMOTION 10
Main drive control	Frequency variator
Prime drive motor	0,3 kW
Inlet Ø	(60 mm) 2,5" male cam lock
Outlet Ø	(60 mm) 2,5" male cam lock
Total dynamic head	12 m - 40 ft (6 m suction and 6 m discharge)
Fish weight max. (Trout/Salmon)	40 g
Water flow	45 m³/h - 198 gpm
Reference (Fresh and sea water)	<b>PH0202</b>



Power ratings and weights summary

Machines	Power	Weight
Fish pump Pescamotion 10	1,5 kW	92 kg - 202 lbs
Fish counter Pescasight 100	0,1 kW	75 kg - 53 lbs







- 1 Pescasight 100 fish counter
- 2 5 m discharge flexible pipes Ø 60 mm (2,5 in)
- 3 Fish pump Pescamotion 10 (Ø 63mm - 2,5 in)
- 4 5 m suction flexible pipes Ø 63 mm (2,5 in)
- 5 Fish pump remote control (optional)

All packs are given as an example and can be modified according to the customer needs



# 30

## Series Grow out Equipment

- **Salmon / Trout**  ..... 40 g to 700 g
- **Tilapia**  ..... 30 g to 400 g
- **Sea Bream**  ..... 40 g to 400 g
- **Sea Bass**  ..... 30 g to 400 g



● Pescamotion 30

Page 43



● Helios 30 / 300

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● Pescavision 30

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● Pescavision 300

Page 61



● Pack Standard 30

Page 66



● Pack High Capacity 30

Page 68



● Pack Transfer Counting 30

Page 70

# PESCAMOTION

## Propeller fish pump



6"

Fish pump

2,5"

10 Series

6"

30 Series

6-8"

40 Series

8"

50 Series

8-10"

60 Series



### A new 6" (150 mm) fish pump that is light weight, handy. and with better performance.

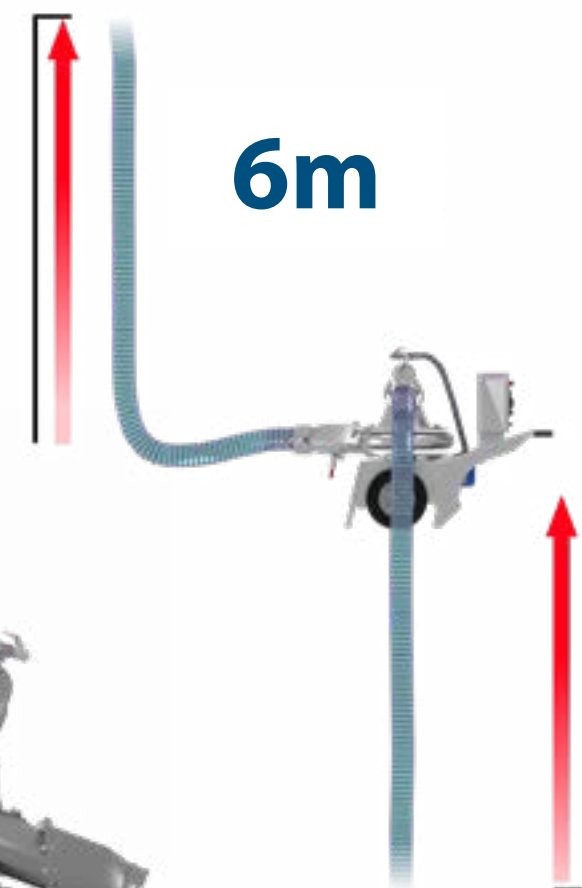
Ideal for supplying a grader, for transferring fish to a tank or loading lorries.  
The Pescamotion 30 pump can easily be adapted to every situation.

- New design for better performance
- Up to 700 g\* Trout Salmon
  - Up to 500 g\* Sea Bass and Sea Bream
  - Up to 50 g\* Shrimp
  - Up to 12 m total dynamic head.

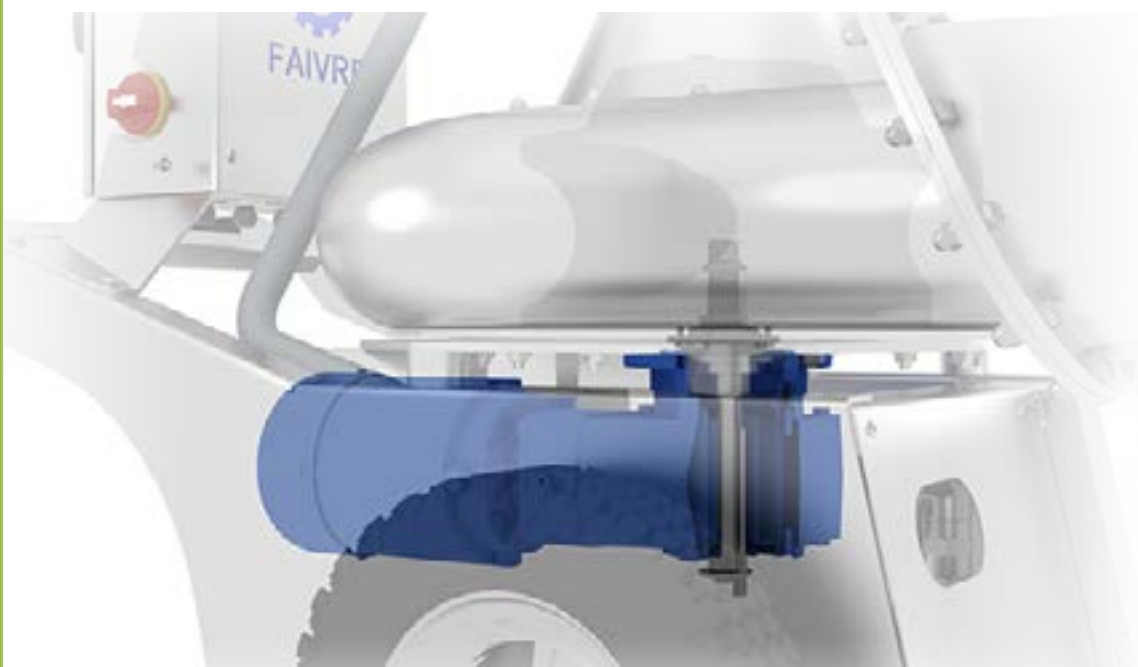
#### Key benefits :

- ✓ High capacity, up to 20 tons/hour
- ✓ For fish up to 700 g\* (Salmonids)
- ✓ Total dynamic head : 12 m
- ✓ Light and handy : 202 kg - 440 lbs
- ✓ Remote control as option (200 m - 650 ft)
- ✓ New "Auto stop" priming system
- ✓ Free maintenance with "Direct drive system" pump
- ✓ Pump housing in Stainless steel 316L (ready to use in sea water)

\* Warning : The maximum size of the fish conveyed by the pump can greatly vary depending on the pump speed and the lifting height of the fish.



Inflatable tires Ø 400 mm for an easy moving of the pump in the farm.





Description



- ① Electrical box with speed variator
- ② AISI 316L Stainless steel Adjustable suction elbow
- ③ Handle
- ④ Wheelbarrow frame in marine aluminum
- ⑤ Direct drive geared motor
- ⑥ Inflatable tire Ø 400 mm
- ⑦ Pump outlet valve
- ⑧ Stainless steel pump housing
- ⑨ Ø 150 mm (6") discharge connection
- ⑩ Stabiliser foot
- ⑪ Priming pump



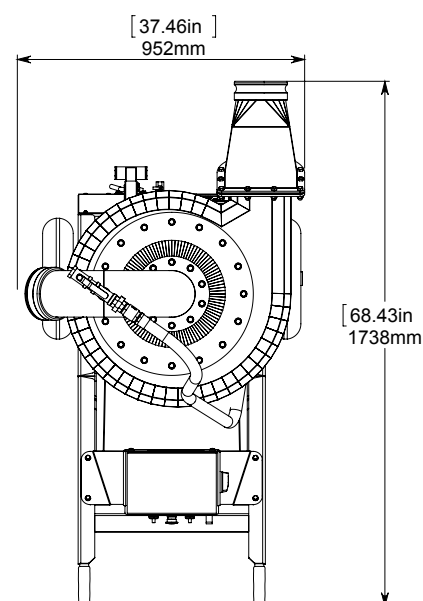
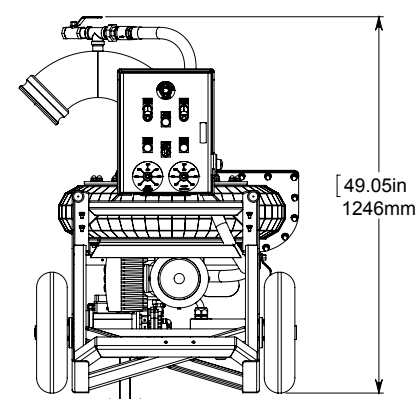
The pump is delivered as standard with a suction cone.

Specifications

Model	PESCAMOTION 30
Main drive motor	3 or 5 kW
Main drive motor control	Frequency variator
Prime drive motor	0,3 kW
Inlet Ø	(152 mm) 6 in male cam lock
Outlet Ø	(152 mm) 6 in male cam lock
Total dynamic head	12 m (3 m suction and 9 m discharge)
Fish weight max. (Trout/Salmon)	700 g*
Fish weight max.(Bass/Bream/Tilapias)	400g
Shrimp weight max (Vannamei)	35g
Pump speed	200 to 600 rpm
Water flow max. (470 rpm, 2 m vertical head discharge)	232 m³/h - 1021 gpm
Weight	202 kg - 445 lbs
Reference 3 kW 3 x 360 - 480 V 50/60 Hz	<b>PH0602</b>
Reference 5,5 kW** 3 x 360 - 480 V 50/60 Hz	<b>PH0603</b>
Reference 3 kW 3 x 200 - 240 V 50/60 Hz	<b>PH0604</b>
Reference 3 kW 1x200 - 230 V 50/60 Hz	<b>PH0605</b>

\* Warning : The maximum size of the fish conveyed by the pump can greatly vary depending on the pump speed and the lifting height of the fish.

\*\*The pump with 5.5kW (ref. : PH0603) motor is made to transport fish over long distances. (> 500m) For example, shrimp farms use this pump motor power



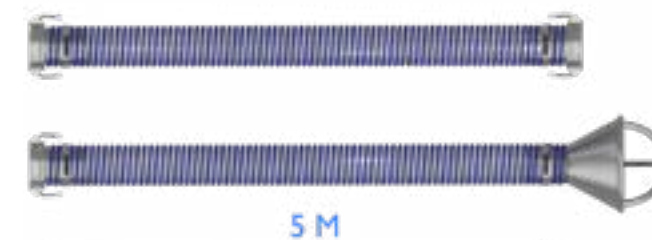
OPTIONS

Remote control

200 meters IP67 remote control, supplied as an option.  
Allows a full control of the pump (stop / start, pump priming, pump motor, and speed control)  
Belt clip and docking station included  
Ref. : **PH00REM2**



Kit starter Pack 6'''



5m Inlet / 5m Outlet cam-lock MF and Suction cone  
- kits of 2x5 meters of 6" flexible pipes (PT0601 + PT0602)  
Ref. : **PP0601P**

Kit starter Pack 6" to 4"



5m Inlet / 5m Outlet and 4" Suction cone  
- 2 female 6" to male 4" aluminum reductions and 2 x 5m of 4" flexible pipes (PT0401 + PT0402 + 2xPH061102)  
Ref. : **PP0401PR**

Semi - transparent, flexible hoses

Ø 4" (Ø 100 mm) hoses with male and female cam lock mounted at each end of the hose  
Ref. : **PP0403FM** leng. 5 m  
Ref. : **PP0404FM** leng. 10 m



Ø 6" (Ø 150 mm) hoses with male and female cam lock mounted at each end of the hose  
Ref. : **PP0603FM** leng. 5 m  
Ref. : **PP0604FM** leng. 10 m





• OPTIONS

Option parts for fish pump :



OPTION PARTS FOR FISH PUMP 6"

- Cam lock male (Aluminum) Ref. : **CLEA150**
- Cam lock female (Aluminum) Ref. : **CLCA150**
- 6" Suction cone for PH0602 Ref. : **PH061103**

OPTION PARTS FOR FISH PUMP 6" - 4"

- Female to 4" male aluminum reduction (one unit) Ref. : **PH061102**
- Cam lock male (Aluminum) Ref. : **CLEA100**
- Cam lock female (Aluminum) Ref. : **CLCA100**
- 4" Suction cone Ref. : **PH0411013**

Adapter cam lock 6" to 4"



Thanks to a 4" reduction of its inlet and outlet, Pescamotion 30 is adapted to pump small fish. This solution allows you to use your Pescamotion 30 in a nursery and to transfer your fish with a low water flow. Ref. : **PH061102**

4" (100 mm) male



6" (150 mm) female

Dewatering hopper Dewat 30 (6")

The Dewat 30 (5mm grid) suitable for the Pescamotion 30 pump and the Helios 30 grader. Delivered with Ø200mm slide gate valve and 2m flexible pipe Ref. : **TD0602**



# HELIOS

## Live fish grader



• Helios 300



• Helios 30

Fish Grader

2,5"

10 Series

6"

30 Series

6-8"

40 Series

8"

50 Series

8-10"

60 Series

49



Helios 30 (3ch.)

Helios 300 (5ch.)

### HELIOS 30 - 300 grader : for smolts

5 g - 800 g  
3 or 5 channels  
3 or 4 sizes

HELIOS 30 - 300 is a high precision grader with a huge capacity. It is made to efficiently grade smolts, Sea Bass, Sea Bream, Tilapia, Trout, etc...  
Light and easy to handle, HELIOS 30 - 300 is adapted to every situation.  
An essential machine for every fish farm.

Compact and light graders

- ✓ 3 or 5 grading channels of 2000 mm length.
- ✓ 6 or 8 x Ø 160 mm outlets on both side.
- ✓ Made of polyester and AISI 316L/AISI 304L Stainless steel.
- ✓ An elaborate watering system fitted with adjustment valves.
- ✓ A grader fitted with the performing SPS Technology made for a high speed grading without injury.
- ✓ Electronic adjustable grading speed



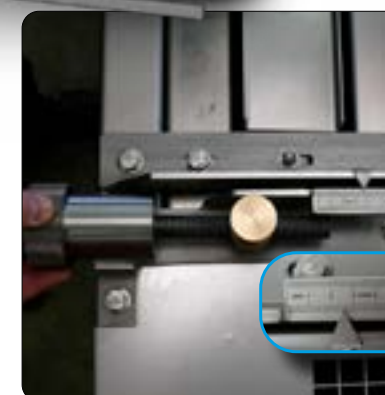
Emergency stop

Grading speed

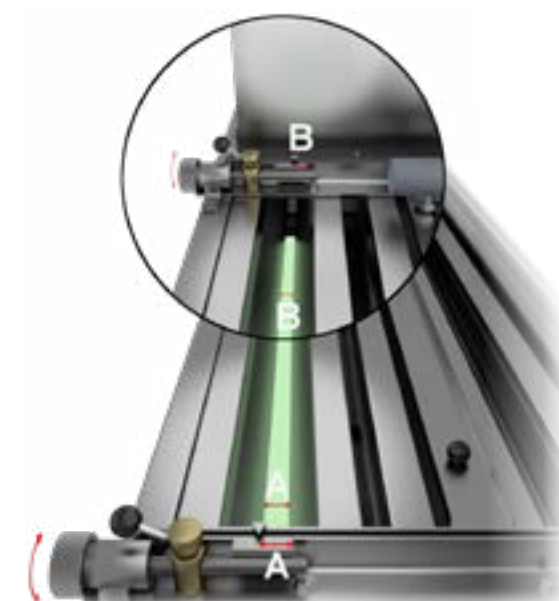
Main switch

Fish grader IP 67 electric panel.

Helios 30 working on sea cages



Accurate adjustment vernier



Fish Grader

2,5"

10 Series

6"

30 Series

6-8"

40 Series

8"

50 Series

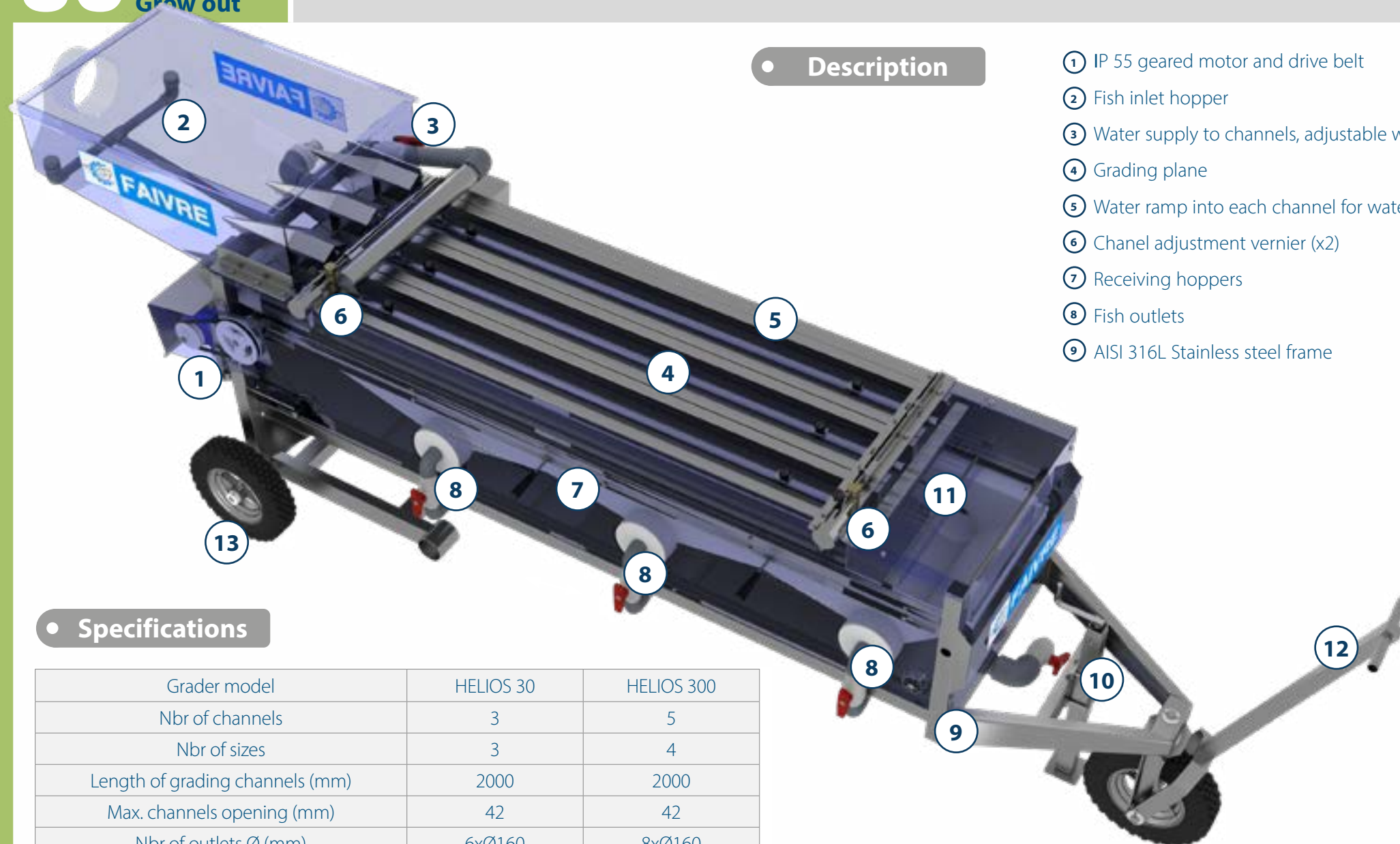
8-10"

60 Series



## Description

- ① IP 55 geared motor and drive belt
- ② Fish inlet hopper
- ③ Water supply to channels, adjustable with a valve
- ④ Grading plane
- ⑤ Water ramp into each channel for watering fish
- ⑥ Chanel adjustment vernier (x2)
- ⑦ Receiving hoppers
- ⑧ Fish outlets
- ⑨ AISI 316L Stainless steel frame
- ⑩ Front lifting jack
- ⑪ Fish conveying fingers
- ⑫ Towbar
- ⑬ Inflatable tires Ø400mm



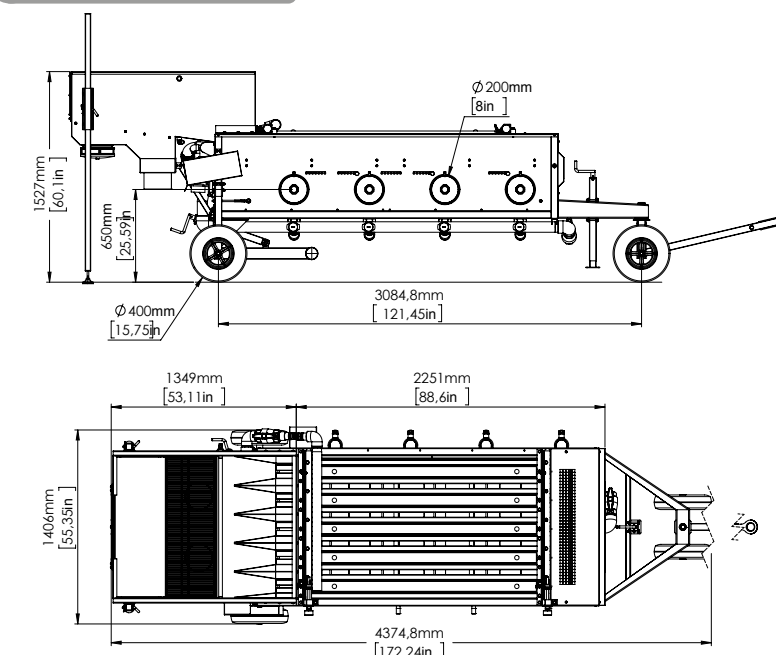
## Specifications

Grader model	HELIOS 30	HELIOS 300
Nbr of channels	3	5
Nbr of sizes	3	4
Length of grading channels (mm)	2000	2000
Max. channels opening (mm)	42	42
Nbr of outlets Ø (mm)	6xØ160	8xØ160
Weight min. - max. (Trout/Salmon)	5 g - 800 g	5 g - 800 g
Weight min. - max. (Bass/Bream/Tilapia/Carp)	5 g - 400 g	5 g - 400 g
Hourly rate (tons/hour)	2 - 4	3 - 6
Grader weight (kg)	430	620
Height (m)	1,3	1,5
Motor power 220 V 1ph (50 Hz/60 Hz) / 380 V 3ph (50 Hz/60 Hz)	0,25 kW	0,37 kW
Advice pump flow (m3/h)	30	40
Reference	<b>TH3036</b>	<b>TH3056</b>

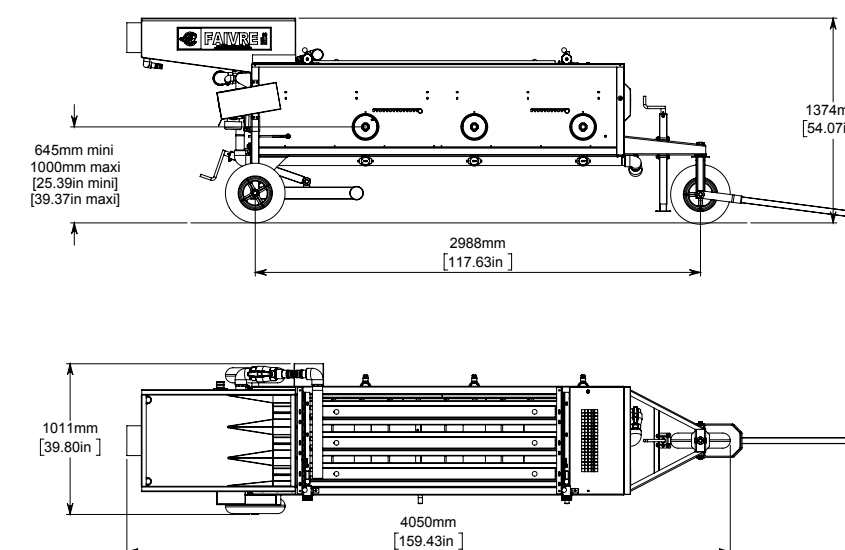
The grader motors are available in 4 supply voltages (add the desired voltage reference to the grader reference for your requests):

- Three phases 342 - 528 V 50/60 Hz Ref. : **400T**
- Three phases 180 - 264 V 50/60 Hz Ref. : **230T**
- Single phase 180 - 264 V 50/60 Hz Ref. : **230M**
- Single phase 110 V 50/60 Hz Ref. : **110M**

## Helios 300



## Helios 30





OPTIONS

## Control box «Packcontrol»

This option considerably reduces the cables left on the ground. Each equipment can be directly connected to this electrical cabinet, which is attached to the sorter. The box allows you to connect and control:

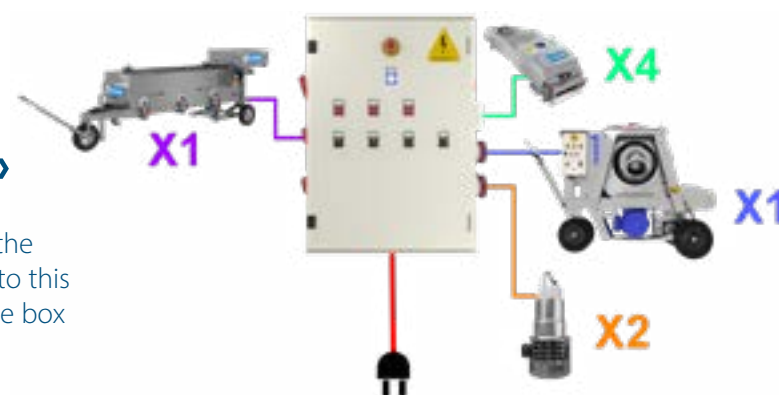
- 1 grader
- 2 water pumps
- 1 fish pump
- 4 counters.

The front panel switches allow each device to be turned on or turned off separately. Thermal circuit breakers ensure the protection of each piece of equipment. A differential switch protects the operators.

Ref. :

- 3 x 342 - 525 V 50/60 Hz inlet voltage Ref. : **THC0024**
- 3 x 164 - 264 V 50/60 Hz inlet voltage Ref. : **THC0022**
- 1 x 230 V 50/60 Hz inlet voltage Ref. : **THC004\***

\* water pump max. 2,2kW with a single phase



## Universal dewatering hopper

This universal dewatering hopper allows you to connect a Pescavac pump or an elevator or a Pescamotion pump.

For Helios 30 grader :  
- Ø fish pump pipe 6"  
Ref. : **TH303DEWU**

For Helios 300 grader :  
- Ø fish pump pipe 6"  
Ref. : **TH305DEWU**



## Water pump for grader

A suitable water pump must be connected to the grader in order to grade the fish without damage. We can offer you a Stainless steel submersible pump adapted to your machine. This pump has a Stainless steel strainer to suck the fish, it is delivered with 2.5 m of flexible hose and fittings adapted to the grader.

For Helios 30 grader

- Pump flow 30 m³/h supply voltage 0,75 kW 1 x 230 V 50 Hz Ref. : **TPOW30I6M5**
- Pump flow 30 m³/h supply voltage 0,75 kW 3 x 400 V 50 Hz Ref. : **TPOW30I6T5**

Accessories

- 5m flexible hose Ø50mm (2 ") and storz fitting plus 90 ° Stainless steel elbow to connect the pump to the grader Ref. : **TPOHLINK50**

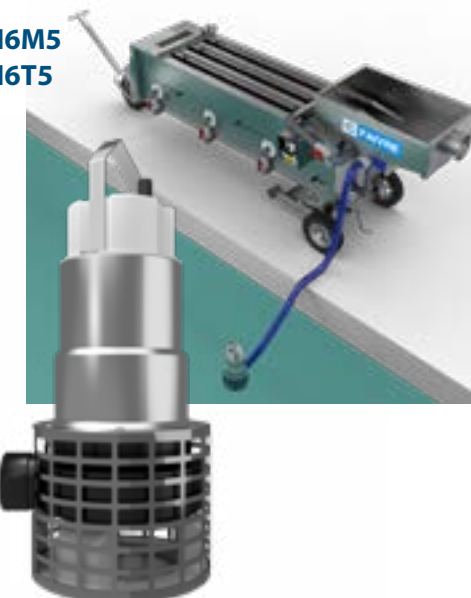
For Helios 300 grader

- Pump flow 40 m³/h supply voltage 1,1kW 1 x 230 V 50 Hz Ref. : **TPOW40I6M5**
- Pump flow 40 m³/h supply voltage 1,1kW 3 x 400 V 50 Hz Ref. : **TPOW40I6T5**

Accessories

- 5m flexible hose Ø60 mm (2,5 ") and storz fitting plus 90 ° Stainless steel elbow to connect the pump to the grader Ref. : **TPOHLINK60**

60 Hz pump on request



## Adapters

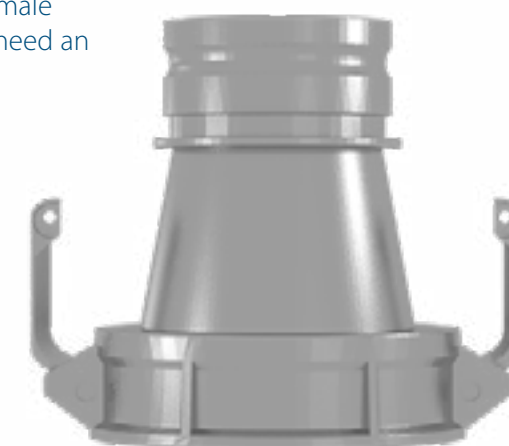
The inlet of the dewatering hopper of the graders is a 6" (150 mm) male cam lock. If you want to connect a 4" or 8" hose to this hopper, you need an adapter.

To connect a 4" (100mm) pipe to the dewatering hopper

- 6" female to 4" male aluminum reduction Ref. : **PH061102**

To connect an 8" (200 mm) pipe to the dewatering hopper

- 8" female to 6" male aluminum reduction Ref. : **PH061111**





# PESCAVISION

## Led fish counter



### Pescavision 30

## Fish counters for counting Fish weight from 40g to 1kg

They offer an unparalleled ease of use. They can be installed very quickly.  
The Pescavision 30 model cover counting needs extending from 40g to 1kg.

It is designed to be placed at the outlet of the grading machine, thereby centralizing the equipment and reducing the installation time. With this system, no more counters at the end of the pipes.

Our Pescavision count many fish species such as:

- Trout
- Salmon
- Tilapia
- Carps
- Perch
- Sea Bass
- Sea Bream
- Etc...



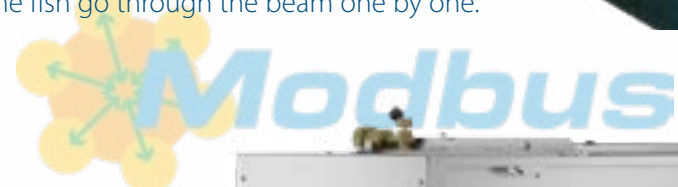
The Pescavision 30 as 4 counting channels.







The principle behind this counter is simple. A beam emitted by a LED crosses each channel. The fish that go through the beam give a counting pulse. The fish dividers ensure that the fish go through the beam one by one.

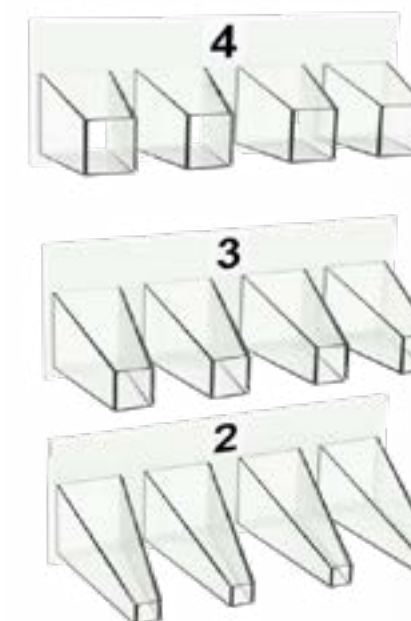


**CBRC200**

Helios grader coupled with three (3) Pescavision 30 counters and a reception tank.

Reception tank for Pescavision :  
- Ø 200 mm Ref. : **CBRC200**

Easy to install on the farm with our new counting station with four (4) Pescavision fish counters and a reception tank.  
Ref. : **PESCATROL** (see page 164)



A NEW optional control box to centralize counting information up to 4 fish counters  
Ref. : **PESCA4CO**



Easy to use !  
Large touch screen counter display.  
All information in a single display:  
- Number of fish for each counter  
- Total number of fish  
- History of the 5 last counting sessions  
- Counting time



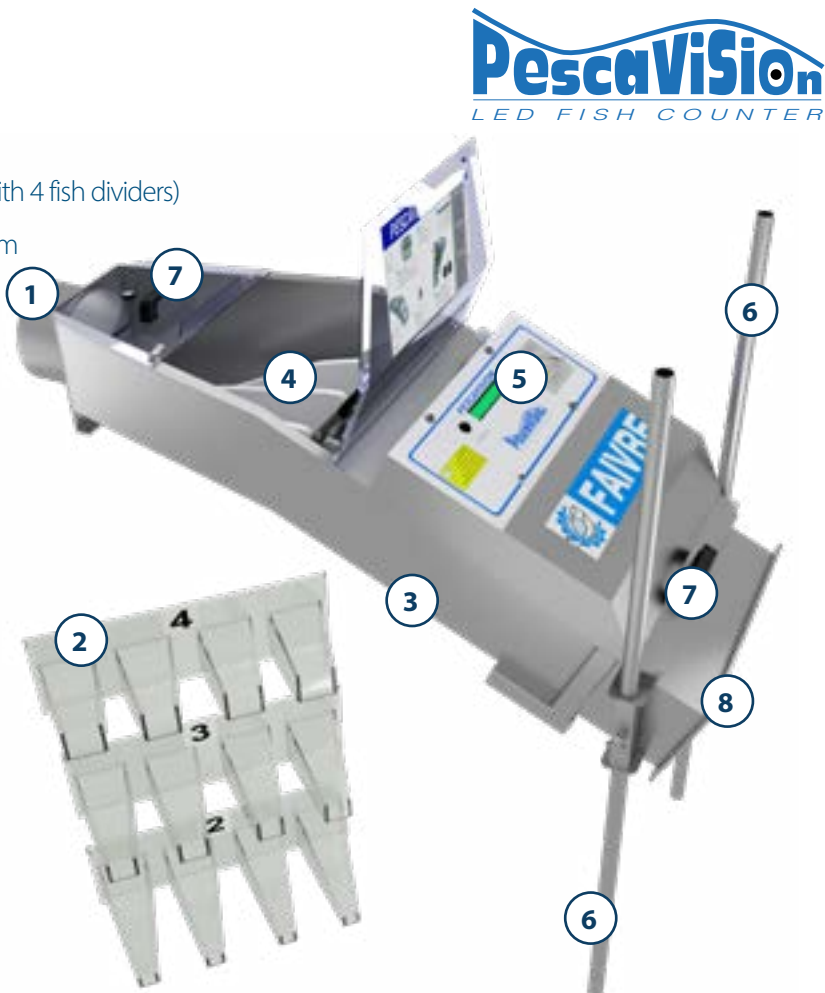
\*Download the counting report on your PC with the USB key.

(\*Control Box only)



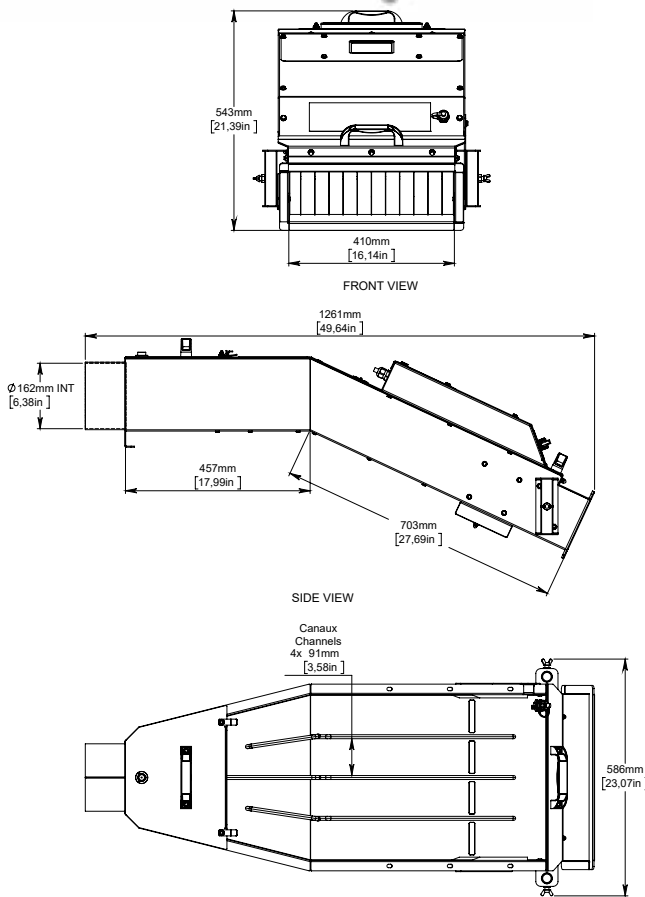
Description

- ① Fish counter inlet female Ø 160 mm
- ② Fish dividers (Our fish counter is delivered with 4 fish dividers)
- ③ Fish counter body in marine grade aluminum
- ④ Channel access with cover
- ⑤ LCD display : number of fish
- ⑥ Counter feet
- ⑦ Carry handles
- ⑧ Fish counter outlet



Specifications

Fish counter model	PESCAVISION 30	
Fish species	Trout Salmon/Bass	Bream/Tilapia
Fish weight	40 g to 1 kg	40 g to 400 g
Capacity (maxi)	3 t/h	
Number of channels	4	
Channel width	91 mm	
Connection diameter	160 mm	
Accuracy	98% - 100%	
Weight	24 kg	
Voltage 50/60 Hz	Delivered with 110-240 V/24 V power supply	
Reference (Fresh and sea water)	PESCA30	

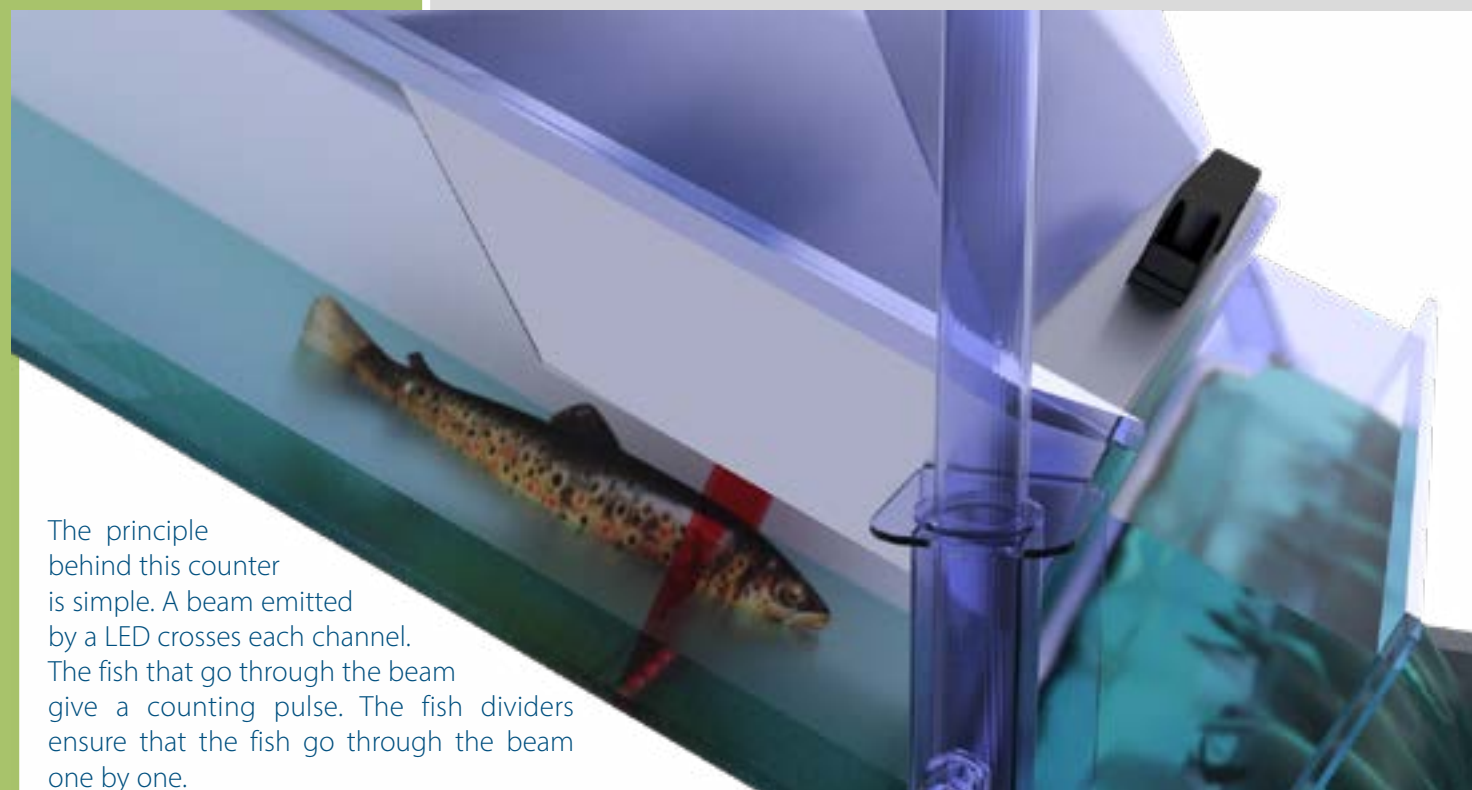


# PESCAVISION

## Led fish counter







The principle behind this counter is simple. A beam emitted by a LED crosses each channel. The fish that go through the beam give a counting pulse. The fish dividers ensure that the fish go through the beam one by one.

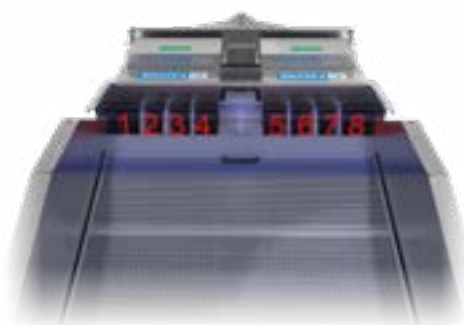
**40 g - 1 kg**  
**8 channels**

● **Pescavision 300**

For trout and salmon from 40 g up to 1 kg.

Designed to be placed at the outlet of a fish pump for loading trucks or fish transfer.

At the end of the counting operation, you can connect a USB key to save the counting report.



Counting report



Installation with Pescamotion 30  
Pescavision 300



Download the counting report on your PC with the USB key.

Pescavision		09 : 32 : 05
G1	00113250	774  774
G2	00112520	Total 00225770
Q1		View history
Q2		View settings

A large touch screen allows to check the counter and to display information.



The double outlet will allow you to distribute evenly the fish in 2 different cages or raceways during the counting.  
Ref. : **P300L80502**





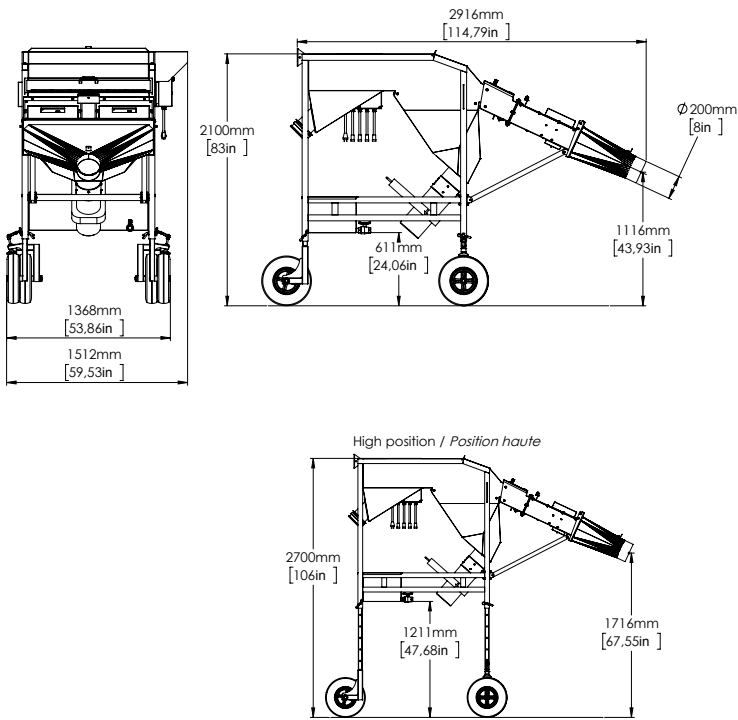
Description

- 1
- Fish counter inlet female Ø 150 mm - 6 in male camlock
- 2
- Fish counter body in marine grade aluminum
- 3
- Frame with telescopic legs
- 4
- 7 in Touch screen control unit
- 5
- Counting units
- 6
- Ø 200 mm fish outlet
- 7
- Fish separator cover
- 8
- Dewatering outlet valve



Specifications

Fish counter model	Pescavision 300	
Species	Trout Salmon	Bass/Bream/ Tilapia/Carps/ Perch
Fish weight	40 g to 1kg	40 g to 400 g
Hourly flow (maxi) at 300g	7 - 9 tons/h	
Channel nbr	8	
Counting channel width	91 mm	
Inlet connection	6" male camlock (150 mm)	
Outlet connection	200 mm	
Dewatering connection	200 mm	
Accuracy	98% - 100%	
Weight	Approx. 150 kg	
Voltage	1x110-240 V 50/60 Hz	
References	PVIS300	





Standard Pack

Up to 2 - 3 tons/hour

3 sizes :

- 1 Pescamotion 30 fish pump (3 g - 700 g)
- 1 Helios 30 grader (5 g - 800 g) /3 channels
- 1 Water pump 30m³/h
- 1 Control box
- 1 Pescavision 10 fish counter (5 g - 150 g)
- 2 Pescavision 30 fish counters (40 g - 1k g)
- 3 Reception tanks

Fresh and Sea water pack  
Ref. : **GPST3**

5g to 700g



Trout / Salmon

5g to 400g



Tilapia

5g to 400g



Sea Bream

5g to 400g



Sea Bass

PESCAVISION  
Lad fish counter

HELIOS  
Live fish grader

PESCAMOTION  
Propeller fish pump

Pescamotion 30



Specifications

Fish pump model	PESCAMOTION 30
Main drive motor	3 kW
Prime control	Frequency variator
Prime drive motor	0,3 kW
Inlet Ø	(152 mm) 6" male camlock
Outlet Ø	(152 mm) 6" male camlock
Total dynamic head	12 m - 40 ft (3m suction and 9 m discharge)
Fish weight max.	700 g Trout/Salmon
Pump speed	200 to 600 rpm
Water flow	232 m³/h - 1021 gpm
Reference (Fresh and sea water)	<b>PH0602</b>

Pescavision 10&30



Specifications

Fish counter model	PESCAVISION 10		PESCAVISION 30	
Fish species	Trout Salmon/Bass	Bream/Tilapia	Trout Salmon	Bream/Bass-Tilapia
Fish weight	5 g to 150	5 g to 50 g	40 g to 1 kg	40 g to 400 g
Capacity (maxi)	1,5 t/h 35.000fish/hour	1,5 t/h 35.000fish/hour	3 t/h	3 t/h
Number of channels	8	8	4	4
Channel width	50 mm	50 mm	100 mm	100 mm
Connection diameter	160 mm	160 mm	160 mm	160 mm
Accuracy	98% - 100%	98% - 100%	98% - 100%	98% - 100%
Voltage	100 - 240 V/24 V		100 - 240 V/24 V	
Reference (Fresh and sea water)	<b>PESCA10</b>		<b>PESCA30</b>	

Helios 30

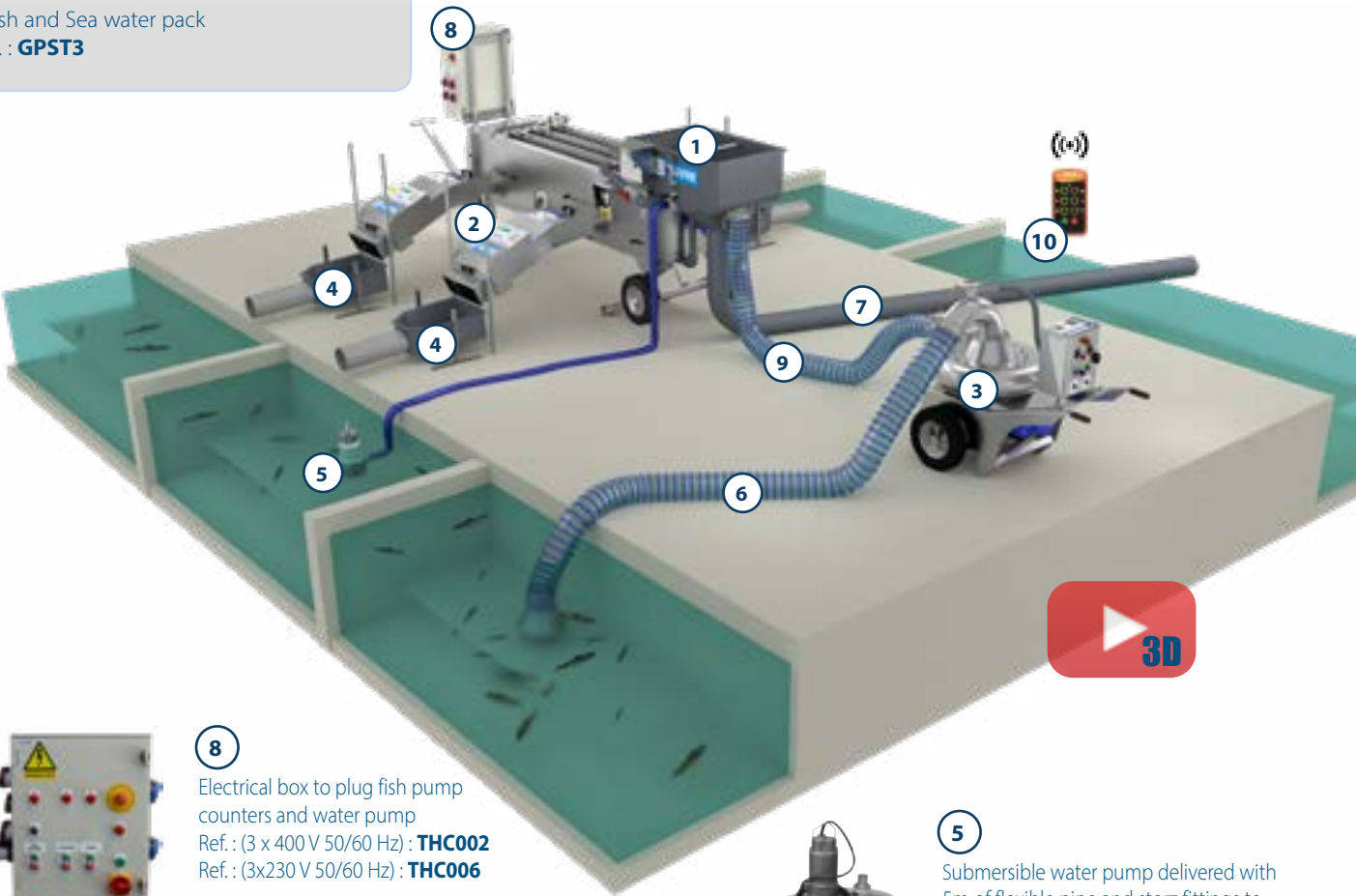
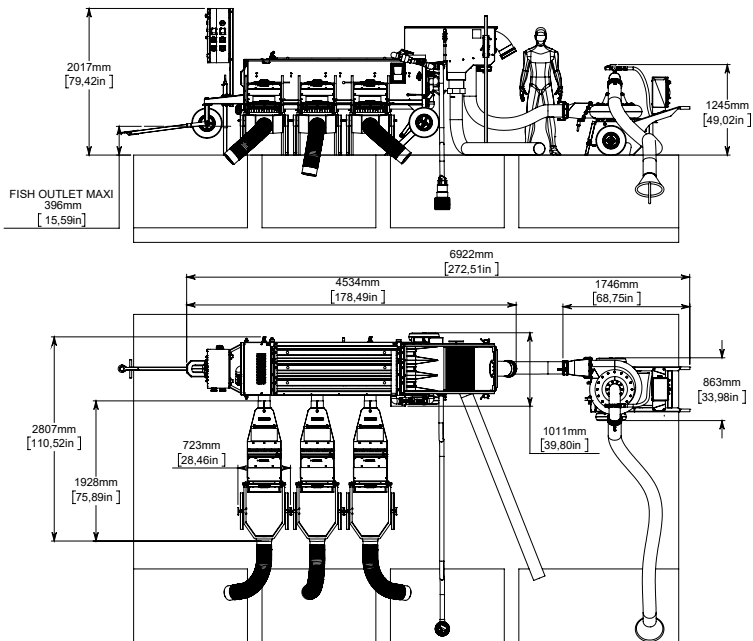


Specifications

Grader model	HELIOS 30
Nbr of channels	3
Nbr of size	3
Length of grading channels (mm)	2000
Max. channels opening (mm)	42
Nbr of outlets Ø (mm)	6 x Ø 160
Weight min. - max. Trout/Salmon/Bass	5 g - 800 g
Weight min. - max. Tilapia/Bream/Carp	5 g - 400 g
Hourly rate (tons/hour)	2 - 4
Height (m)	1,3
Advice pump flow (m³/h)	30
Reference (Sea water 316L)	<b>TH3036</b>

Power ratings and weights summary

Machines	Power	Weight
Helios fish grader 30	0,25 kW	430 kg - 948 lbs
Fish pump Pescamotion 30	3 kW	202 kg - 445 lbs
Fish counter (one unit)	0,05 kW	24 kg - 53 lbs
Water pump 30 m³/h	0,75 kW	20 kg - 44 lbs



8  
Electrical box to plug fish pump counters and water pump  
Ref. : (3 x 400 V 50/60 Hz) : **THC002**  
Ref. : (3x230 V 50/60 Hz) : **THC006**



5  
Submersible water pump delivered with 5m of flexible pipe and storz fittings to plug at the grader  
Ref. : (Sea water 316L) : **TPOW3016T5**

- 1 Helios fish grader 30
- 2 4 Pescavision 30 fish counters
- 3 Fish pump Pescamotion 30 (Ø 150mm - 6 in)
- 4 4 Reception tanks outlet Ø 200 mm
- 5 Submersible water pump 30 m3/h
- 6 5 m suction flexible pipes Ø 150mm (6 in)
- 7 5 m dewatering pipes Ø 200 mm (8 in)
- 8 Grader Control box
- 9 5 m discharge flexible pipes Ø 150 mm (6 in)
- 10 Fish pump remote control (optional)

All packs are given as an example and can be modified according to the customer needs

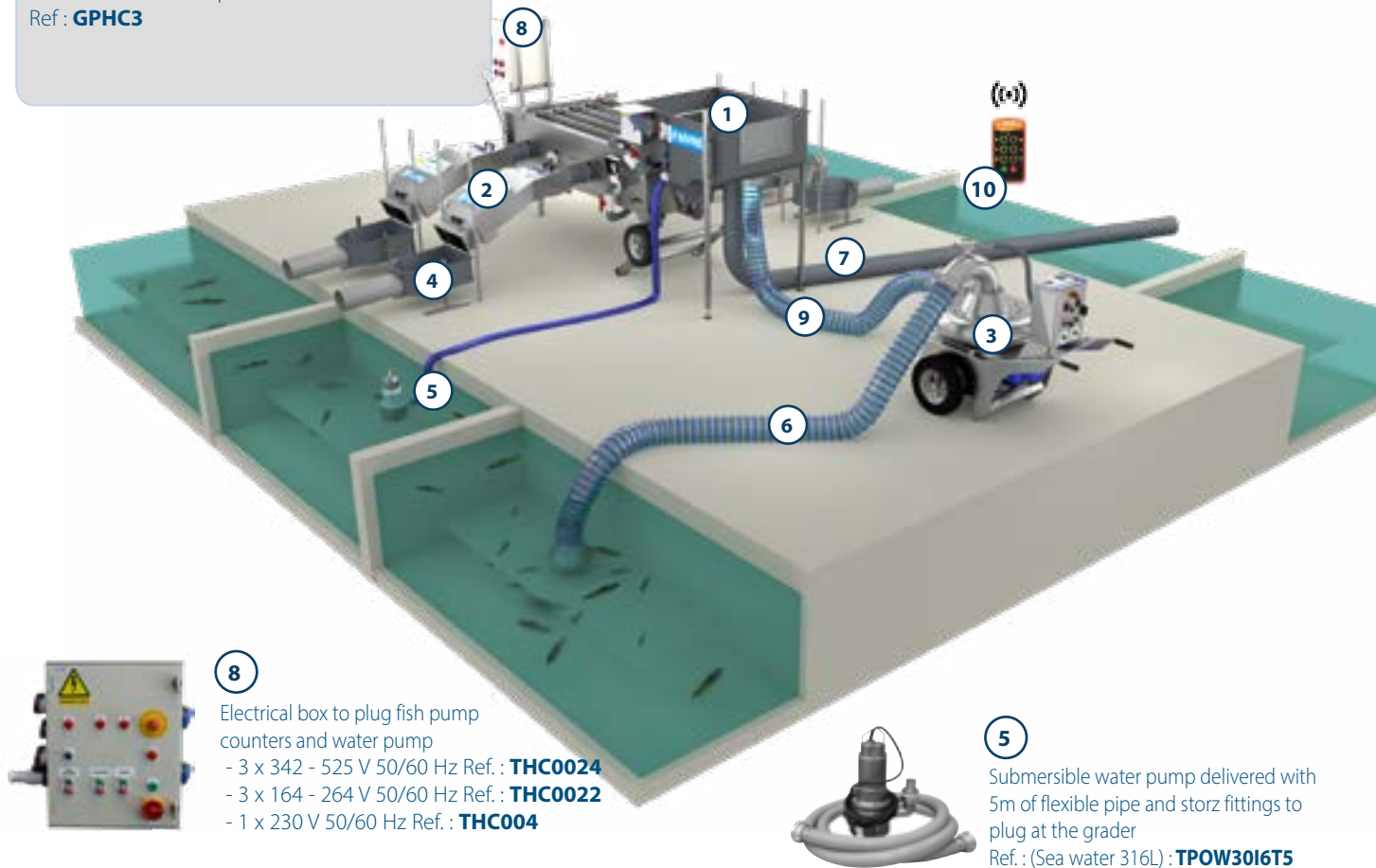


### High capacity Pack

- Up to 4 - 5 tons/hour
- 3 sizes :
- 1 Pescamotion 30 fish pump (3 g - 700 g)
  - 1 Helios 300 grader (5 g - 800 g)/5 channels
  - 1 Water pump 30 m³/h
  - 1 Control box
  - 1 Pescavision 10 fish counter (5 g - 150 g)
  - 3 Pescavision 30 fish counters (40 g - 1 kg)
  - 4 Reception tanks

Fresh and Sea water pack

Ref : **GPHC3**



8

Electrical box to plug fish pump counters and water pump

- 3 x 342 - 525 V 50/60 Hz Ref. : **THC0024**
- 3 x 164 - 264 V 50/60 Hz Ref. : **THC0022**
- 1 x 230 V 50/60 Hz Ref. : **THC004**



5

Submersible water pump delivered with 5m of flexible pipe and storz fittings to plug at the grader

Ref. : (Sea water 316L) : **TPOW30I6T5**

- 1 Helios 300 fish grader
- 2 4 Pescavision 30 fish counters
- 3 Fish pump Pescamotion 30 (Ø 150mm - 6 in)
- 4 4 Reception tanks outlet Ø 200 mm
- 5 Submersible water pump 40 m3/h
- 6 5 m suction flexible pipes Ø 150mm (6 in)
- 7 5 m dewatering pipes Ø 200 mm (8 in)
- 8 Grader Control box
- 9 5 m discharge flexible pipes Ø 150 mm (6 in)
- 10 Fish pump remote control (optional)

Pescamotion 30

Specifications



Specifications

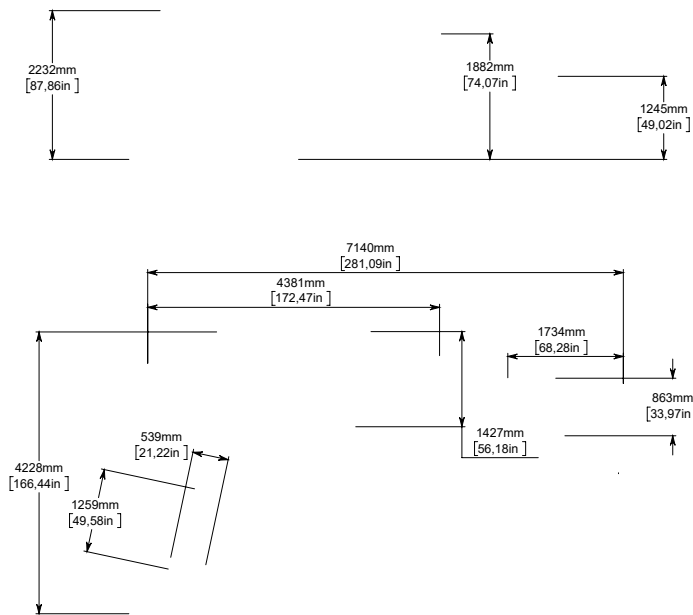


Helios 300

Specifications



Grader model	HELIOS 300
Nbr of channels	5
Nbr of size	4
Length of grading channels(mm)	2000
Max. channels opening (mm)	42
Nbr of outlets Ø (mm)	8 x Ø160
Weight min. - max. (Trout/Salmon)	5 g - 800 g
Weight min. - max. (Tilapia/Bream/Bass)	5 g - 400 g
Hourly rate (tons/hour)	3 - 5
Height (m)	1,5
Advice pump flow (m³/h)	40
Reference (Sea water 316L)	<b>TH3056</b>





Transfer Pack

Up to 6 - 9 tons/hour  
- 1 Pescamotion 30 fish pump (3 g - 700 g)  
- 1 Pescavision 300 fish counter (40 g - 1 kg)

Fresh and Sea water pack  
Ref : **GPTL3**

5g to 700g  
Trout / Salmon

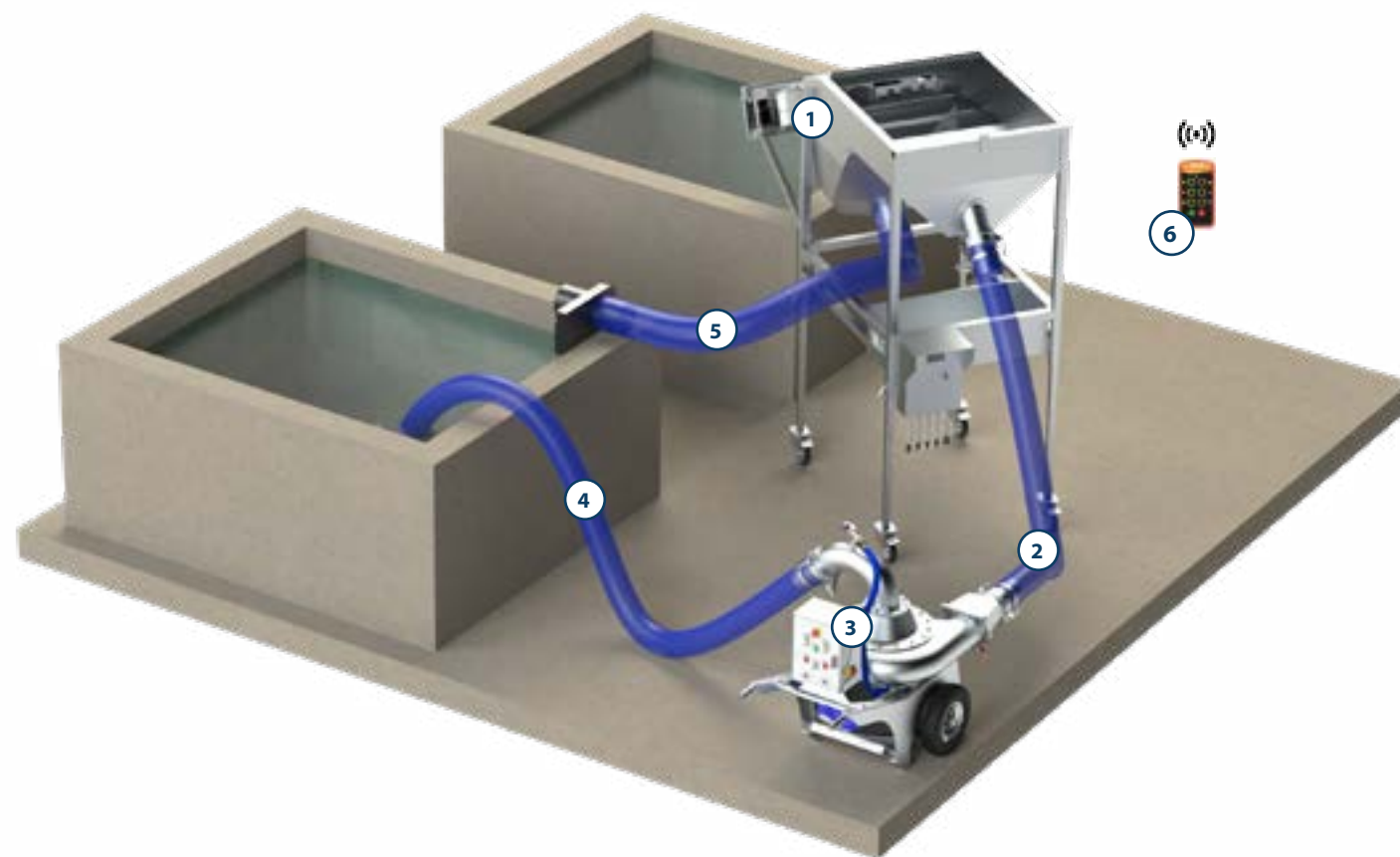
5g to 400g  
Tilapia

5g to 400g  
Sea Bream

5g to 400g  
Sea Bass

**PESCAVISION**  
Led fish counter

**PESCAMOTION**  
Propeller fish pump



- ① Pescavision 300 fish counter
- ② 5 m discharge flexible pipes Ø 150 mm (6 in)
- ③ Fish pump Pescamotion 30 (Ø 150mm - 6 in)
- ④ 5 m suction flexible pipes Ø 150mm (6 in)
- ⑤ 5 m dewatering pipes Ø 200 mm (8 in)
- ⑥ Fish pump remote control (optional)

Pescamotion 30



Specifications

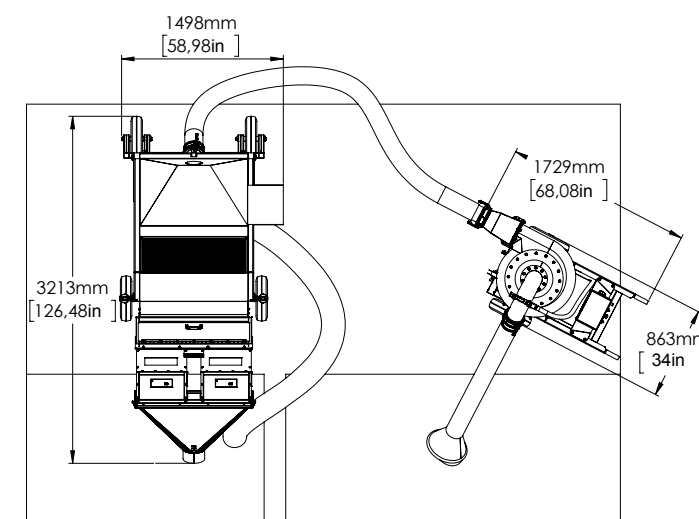
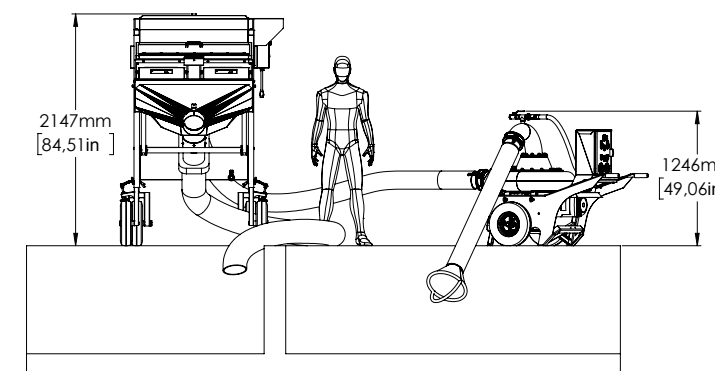
Fish pump model	PESCAMOTION 30
Main drive motor	3 kW
Prime control	Frequency variator
Prime drive motor	0,3 kW
Inlet Ø	(152 mm) 6" male camlock
Outlet Ø	(152 mm) 6" male camlock
Total dynamic head	12 m - 40 ft (3 m suction and 9 m discharge)
Fish weight max.	700 g Trout/Salmon
Pump speed	200 to 600 rpm
Water flow	232 m³/h - 1021 gpm
Reference (Fresh and sea water)	<b>PH0602</b>

Pescavision 300



Specifications

Fish counter model	PESCAVISION 300	
Fish species	Trout Salmon	Bass/Bream/Tilapia/Carps/Perch
Fish weight	40 g to 1kg	40 g to 400 g
Capacity (maxi)	9 t/h	
Number of channels	8	
Channel width	100 mm	
Connection diameter	6" male camlock (150 mm)	
Accuracy	98 % - 100 %	
Weight	150 kg - 330 lbs	
Voltage	Delivery with 110 - 240 V/24 V power supply	
Reference (Fresh and sea water)	<b>PESVIS300</b>	







All packs are given as an example and can be modified according to the customer needs



# 40

## Series Grow out Equipment

• Salmon / Trout		..... 40 g to 1500 g
• Tilapia		..... 40 g to 800 g
• Sea Bream		..... 40 g to 800 g
• Sea Bass		..... 40 g to 800 g



• Pescamotion 40  
Page 73



• Helios 40 / 400  
Page 79



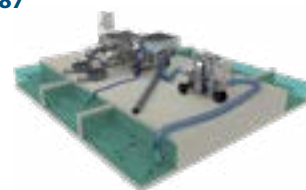
• Heliovision 40  
Page 87



• Pescavision 40  
Page 92



• Pack Standard 40  
Page 98



• Pack High Capacity 40  
Page 100

### Fish pump Pescamotion 40

Grow out equipment  
40 Series

## PESCAMOTION Propeller fish pump



8"

[www.faivregroup.com](http://www.faivregroup.com)

Pictures and technical data are not contractual. FAIVRE Sasu can make required modifications to its equipment, at any time.

Fish Pump

2,5"

10 Series

6"

30 Series

6-8"

40 Series

50 Series

8-10"

60 Series



### A new 8" (200 mm) fish pump that is light-weight, convenient, and with better performance.

#### Pescamotion 40

Ideal for supplying a grader, for transferring Fish to a tank or loading lorries.

The Pescamotion 40 pump can easily be adapted to every situation.

#### Premium performance :

- Up to 1500 g (Trout Salmon)
- Up to 800 g (Sea Bass and Sea Bream)
- Up to 11 m total dynamic head.

#### Key benefits :

- ✓ High capacity, up to 25 tons/hour
- ✓ For fish up to 1,5 kg on average weight (Salmonids)
- ✓ Total dynamic head : 12 m
- ✓ Light and handy : 502 kg - 440 lbs
- ✓ Remote control as option (200 m - 650 ft)
- ✓ New "Auto stop" priming system
- ✓ Free maintenance with "Belt drive system" pump
- ✓ Pump housing in Stainless steel 316L (ready to use in sea water)

Warning : The pump performance may vary according to the height and weight of the fish.

The pump is delivered as standard with two 8" female Cam lock units and suction cone

Electrical box central fitted with a frequency converter to control the pump speed.

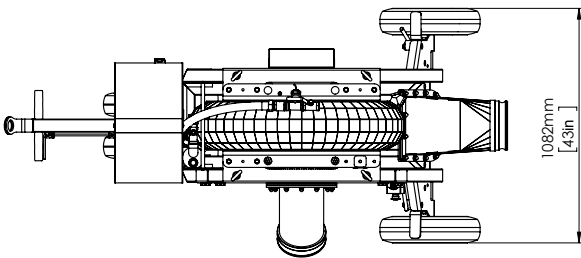
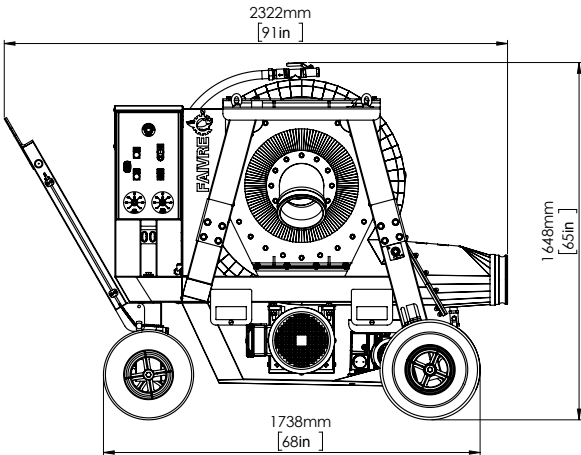
Optimized by powerful digital simulation tools, the performance of the Pescamotion 40 matches its exceptional design. Its 12 m total dynamic head allows its easy adaptation to every situation. Available in 11 kW power, it can transport your fish over long distances (> 1 km with its 11 kW motor).



- 1 Electrical box with speed variator
- 2 AISI 316L Stainless steel Adjustable suction elbow (8 in - 200 mm male camlock) intake pipe
- 3 Main pump motor
- 4 AISI 316L Stainless steel pump housing
- 5 AISI 316L Stainless steel frame
- 6 AISI 316L stainless steel pump outlet valve
- 7 Ø 200 mm (8 in - 200 mm male camlock)
- 8 Wheel Ø400mm
- 9 Hand break
- 10 Forklift handle system



Specifications



Model	PESCAMOTION 40
Main drive motor	11 kW
Main drive motor control	Frequency variator
Prime drive motor	1,1 kW
Inlet Ø	(203 mm) 8 in male cam lock
Outlet Ø	(203 mm) 8 in male cam lock
Total dynamic head	11 m - 36 ft
Fish weight max.	1500 g Trout/Salmon
Fish weight max.	800 g Bass/Bream
Pump speed	100 to 390 rpm
Water flow max. (390 rpm, 1m vertical head discharge)	550 m³/h
Weight	502 kg - 1100 lbs
Reference 3 x 380 - 480 V 50/60 Hz	PH0803
Reference 3 x 200 - 240 V 50/60 Hz	PH0804

Description

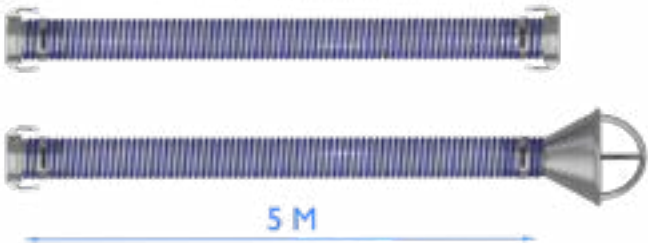
OPTIONS

Remote control

200 meters IP67 remote control, supplied as an option.  
Allows a full control of the pump (stop / start, pump priming, pump motor, and speed control)  
Belt clip and docking station included  
Ref. : **PH00REM2**



Kit starter Pack 8"



(5m Inlet / 5m Outlet) cam-lock MF and Suction cone  
- kits of 2x5 meters of 8" flexible pipes  
Ref. : **PP0801P**

Semi - transparent, flexible hoses

Ø 6" (Ø 150 mm) hoses with male and female cam lock mounted at each end of the hose  
Ref. : **PP0603FM** long. 5 m  
Ref. : **PP0604FM** long. 10 m



Ø 8" (Ø 200 mm) hoses with male and female cam lock mounted at each end of the hose  
Ref. : **PP0803FM** long. 5 m  
Ref. : **PP0804FM** long. 10 m



Option parts for fish pump



OPTION PARTS FOR FISH PUMP 8"

- Cam lock male (Aluminum) Ref. : **CLEA200**
- Cam lock female (Aluminum) Ref. : **CLCA200**
- 8" Suction cone Ref. : **PH080808M**



• OPTIONS

## Adapter cam lock 8" to 6"



A 6" reduction on the inlet and outlet of the pump enables its adaptation to every situation.  
Ref. : **PH061111**

6" (150 mm) male



8" (203 mm) female

## Dewatering hopper Dewat 40 (8")

The Dewat 40 (10mm grid as standard and 5mm as option) suitable for the Pescamotion 40 or Pescovac 50 pump and the Helios 40 or 50 grader.  
Delivered with Ø200mm slide gate valve and 2m flexible pipe.  
Ref. : **TD0801**



# HELIOS

## Live fish grader

• Helios 40

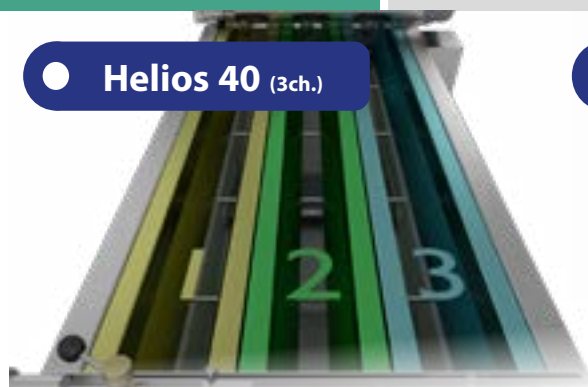


• Helios 400

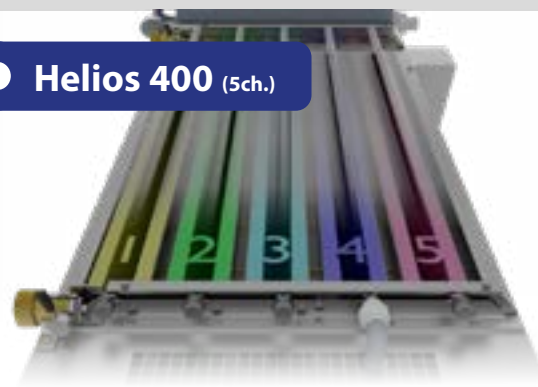




### Helios 40 (3ch.)



### Helios 400 (5ch.)



#### HELIOS 40 - 400 grader

5g - 1,5 kg  
3 or 5 channels  
4 sizes

#### General characteristics :

- 3 grading channels Helios 40.
- 5 grading channels Helios 400.
- 4 receipt hoppers with outlet on each side of the machine.
- Electronic adjustable grading speed
- Lifting jack.
- Made of aluminium AISI 316L Stainless steel.

#### Main advantages :

- ✓ A grader fitted with the performing Sps Technology made for a high speed
- ✓ grading and without injury.
- ✓ A machine entirely made of aluminium and Stainless steel.
- ✓ An easy and perfect adjustment thanks to its lifting jack.
- ✓ An elaborate watering system fitted with adjustment gates.

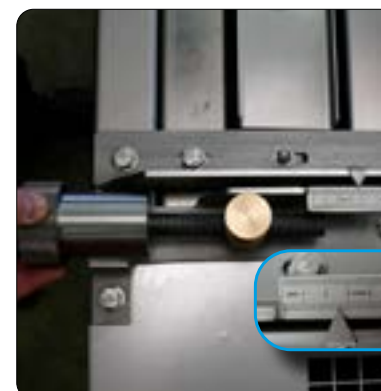


Emergency stop

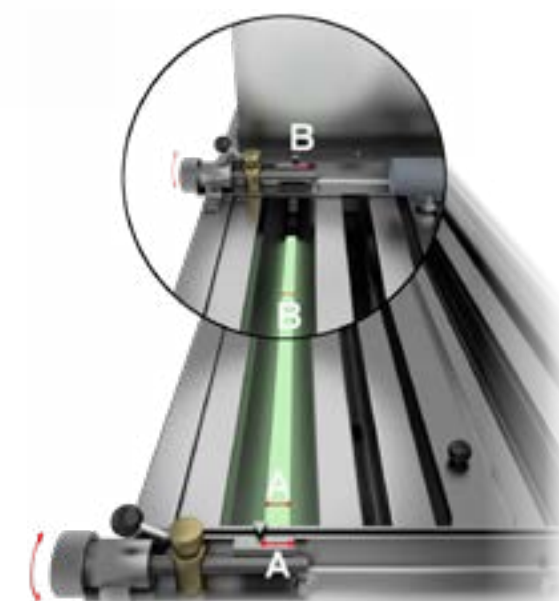
Grading speed variator

Main switch

Fish grader IP 67 electric panel.



Accurate adjustment vernier.





Description

- 1

IP 55 geared motor and drive belt
- 2

Fish inlet hopper
- 3

Water supply to channels, adjustable with a valve
- 4

Grading plane
- 5

Water ramp into each channel for watering fish
- 6

Adjustment vernier (x2)
- 7

Receiving hoppers
- 8

Fish outlets
- 9

AISI 316L Stainless steel frame
- 10

Front lifting jack
- 11

Stainless steel conveying finger drive chain
- 12

Fish conveying fingers
- 13

Towbar
- 14

Inflatable tires Ø 400 mm (16in)

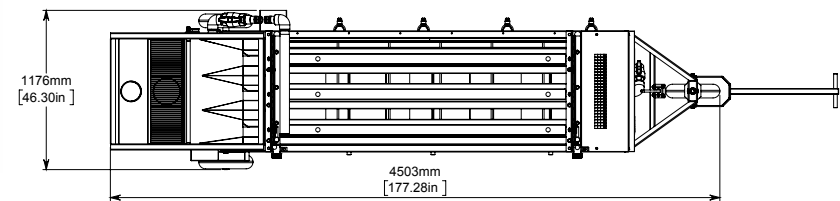
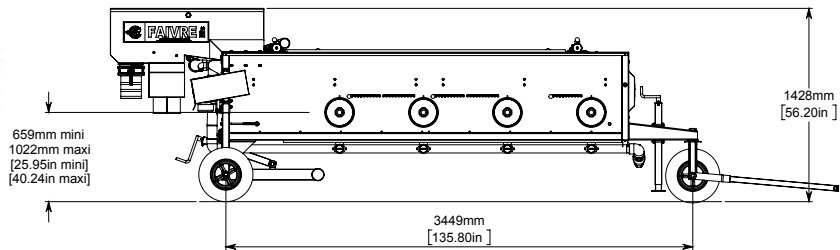
Specifications

Grader model	HELIOS 40	HELIOS 400
Nbr of channels	3	5
Nbr of sizes	4	4
Length of grading channels(mm)	2500	2500
Max. channels opening (mm)	65	65
Nbr of outlets Ø (mm)	8 x Ø 200	8 x Ø 200
Weight min.- max. (Trout/Salmon)	5g - 1,5 kg	5g - 1,5 kg
Weight min. - max. (Bass/Bream/Tilapia)	5 g - 800 g	5 g - 800 g
Hourly rate (tonnes/hour)	3 - 5	4 - 6
Grader weight (kg)	480	520
Height (m)	1,4	1,5
Motor power	0,37 kW	0,55 kW
Advice pump flow (m3/h)	40	50
Reference (Sea water 316L)	TH4036	TH4056

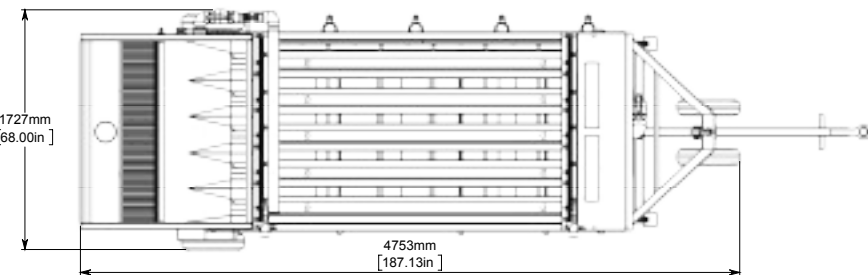
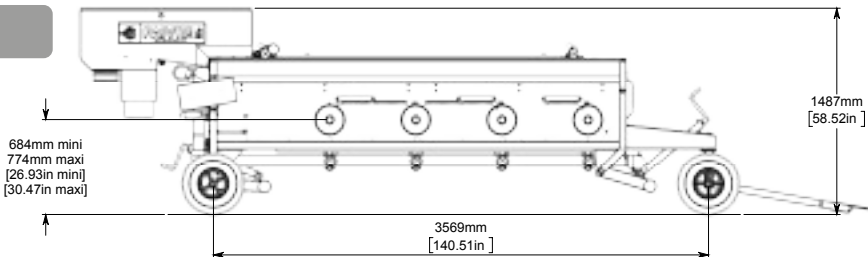
The grader motors are available in 4 supply voltages (add the desired voltage reference to the grader reference for your requests):

- Three phases 342 - 528 V 50/60 Hz Ref. : **400T**
- Three phases 180 - 264 V 50/60 Hz Ref. : **230T**
- Single phase 180 - 264 V 50/60 Hz Ref. : **230M**
- Single phase 110 V 50/60 Hz Ref. : **110M**

Helios 40



Helios 400





### OPTIONS

#### Control box «Packcontrol»

This option considerably reduces the cables left on the ground. Each equipment can be directly connected to this electrical cabinet, which is attached to the sorter. The box allows you to connect and control:

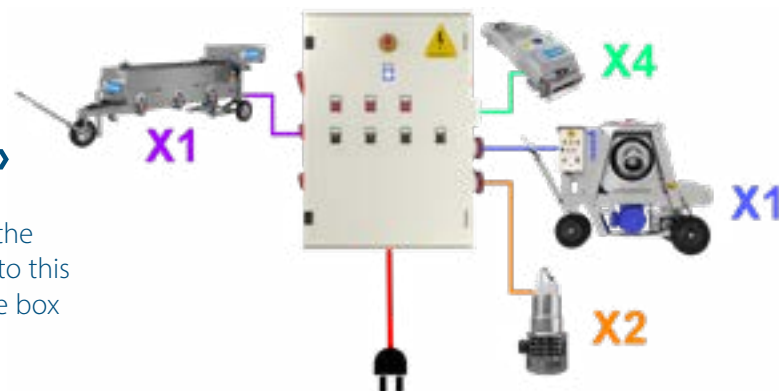
- 1 grader
- 2 water pumps
- 1 fish pump
- 4 counters.

The front panel switches allow each device to be turned on or turned off separately. Thermal circuit breakers ensure the protection of each piece of equipment. A differential switch protects the operators.

Ref. :

- 3 x 342 - 525V 50/60 Hz inlet voltage Ref. : **THC0024**
- 3 x 164 - 264V 50/60 Hz inlet voltage Ref. : **THC0022**
- 1 x 230v 50/60 Hz inlet voltage Ref. : **THC004\***

\* water pump max. 2,2kW with a single phase



#### Universal dewatering hopper

This universal dewatering hopper allows you to connect a Pescavac pump or an elevator or a Pescamotion pump.

For Helios 40 grader :  
- Ø fish pump pipe 8"  
Ref. : **TH403DEWU**

For Helios 400 grader :  
- Ø fish pump pipe 8"  
Ref. : **TH405DEWU**



#### Water pump for grader

A suitable water pump must be connected to the grader in order to grade the fish without damage. We can offer you a Stainless steel submersible pump adapted to your machine. This pump has a Stainless steel strainer to suck the fish, it is delivered with 2.5m flexible hose and fittings, adapted to the grader.

For Helios 40 grader

- Pump flow 40 m³/h supply voltage 1 x 230 V 50 Hz Ref. : **TPOW40I6M5**
- Pump flow 40 m³/h supply voltage 3 x 400 V 50 Hz Ref. : **TPOW40I6T5**

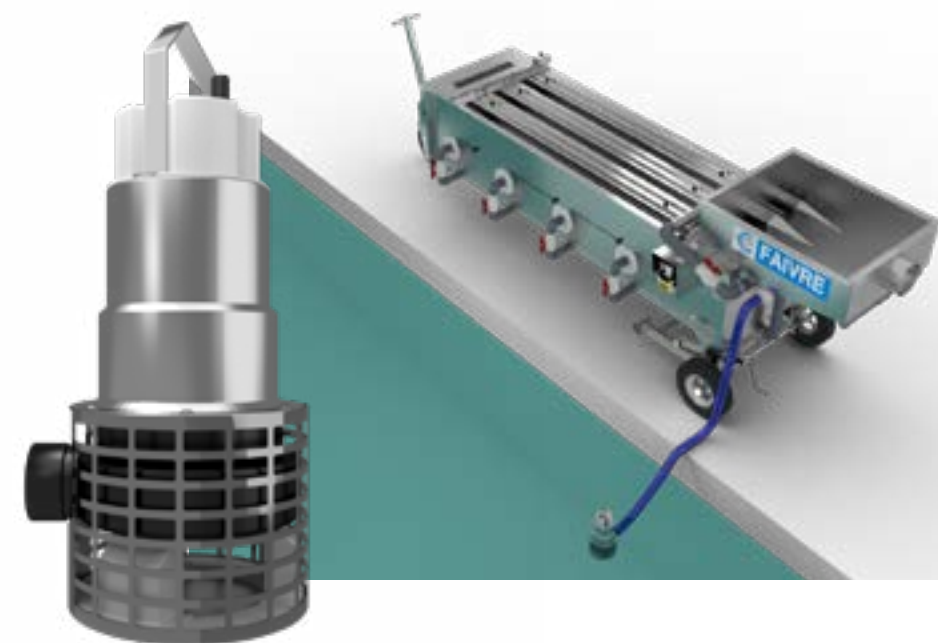
For Helios 400 grader

- Pump flow 50 m³/h supply voltage 3 x 400 V 50 Hz Ref. : **TPOW50I6T5**

Accessories

- 5 m flexible hose Ø 60 mm (2,5 ") and storz fitting plus 90 ° Stainless steel elbow to connect the pump to the grader Ref. : **TPOHLINK60**

60 Hz pump on request



#### Adapters :

The inlet of the dewatering hopper of the graders is an 8" (200 mm) male cam lock. If you want to connect a 6" or 10" hose to this hopper, you need an adapter.

To connect a 6" (150 mm) pipe to the dewatering hopper Helios 40 - 400  
- 8" female to 6" male aluminum reduction Ref. : **PH061111**

To connect a 10" (250mm) pipe to the dewatering hopper Helios 40 - 400  
- 10" female to 8" male aluminum reduction Ref. : **PI100101**







# HELIOVISION

Fish grader



- Grader / Counter
- 2,5"
  - 10 Series
  - 30 Series 6"
  - 40 Series 6-8"
  - 50 Series 8"
  - 60 Series 8-10"



**A new grader concept.**  
Boost your efficiency with the Heliovision grader !

## HELIOVISION

Fish grader

### Heliovision 40

**50 g - 1,5 kg**  
**Three channels**  
**Three grades**  
**Three counters**

Designed for Trout and Salmon up to 1,5 kg; Tilapia, Bass and Sea Bream up to 800 g.  
Large grading capacity, while offering high precision.

3 Possible configurations :

- 3 Pescavision 30

Ref. : **TC40304**

- 2 Pescavision 30 and 1 Pescavision 50

Ref. : **TC40214**

- 1 Pescavision 30 and 2 Pescavision 50

Ref. : **TC40124**

Heliovision		00 : 00 : 30
C1	0000235	C2 0000243
C3	0000238	Total 0000716
Quit		View history View settings

Easy to use !

Large touch screen and a counter display.

All informations in only one display :

- Number of fish for each counter
- Total number of fish
- History of the 5 last counting sessions
- Counting time

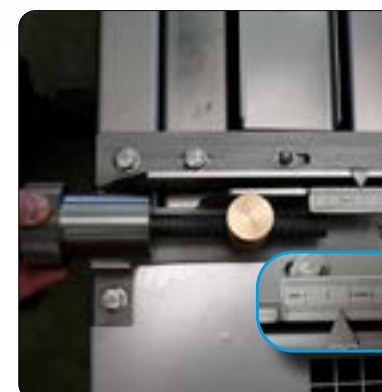


Emergency stop

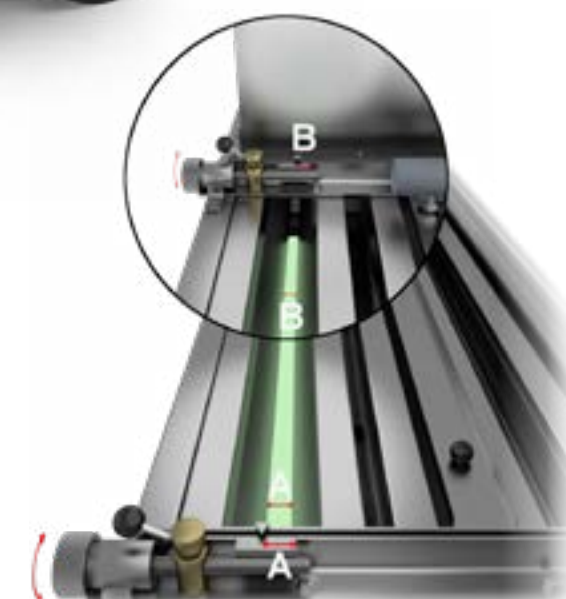
Grading speed variator

Main switch

Fish grader IP 67 electric panel.



Accurate adjustment vernier.



Grader / Counter

2,5"

10 Series

6"

30 Series

40 Series

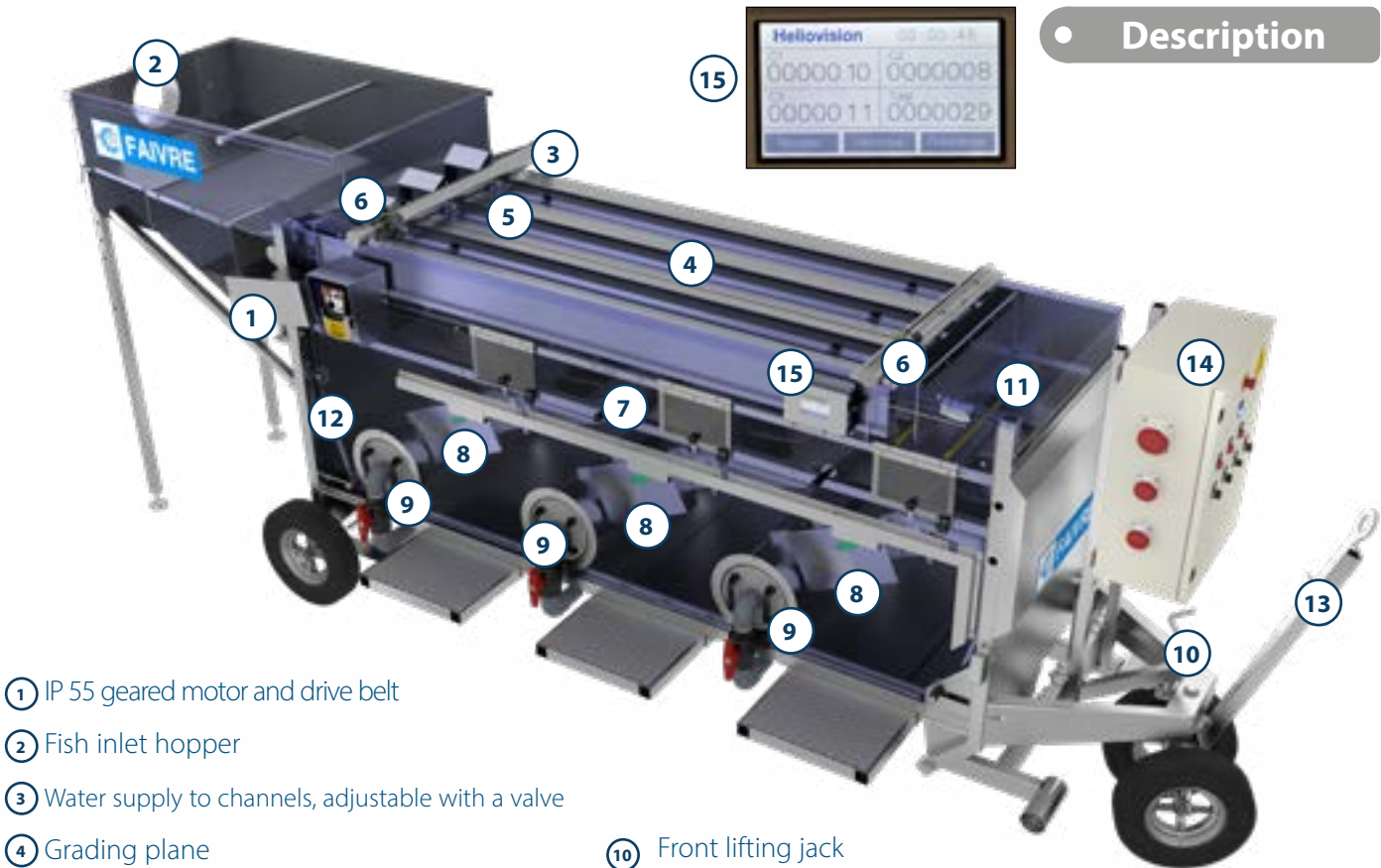
8"

50 Series

8-10"

60 Series





- 1

IP 55 geared motor and drive belt
- 2

Fish inlet hopper
- 3

Water supply to channels, adjustable with a valve
- 4

Grading plane
- 5

Water ramp into each channel for watering fish
- 6

Channel adjustment vernier (x2)
- 7

Receiving hoppers
- 8

Fish counters
- 9

Fish outlets
- 10

Front lifting jack
- 11

Fish conveying fingers
- 12

Conveying finger drive chain
- 13

Towbar
- 14

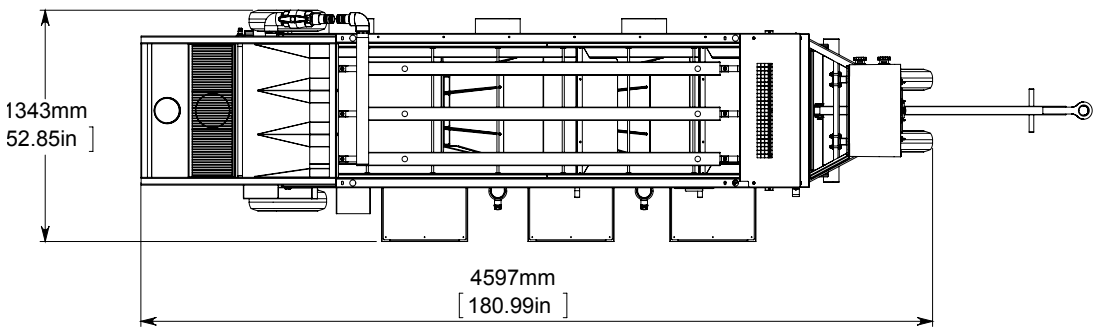
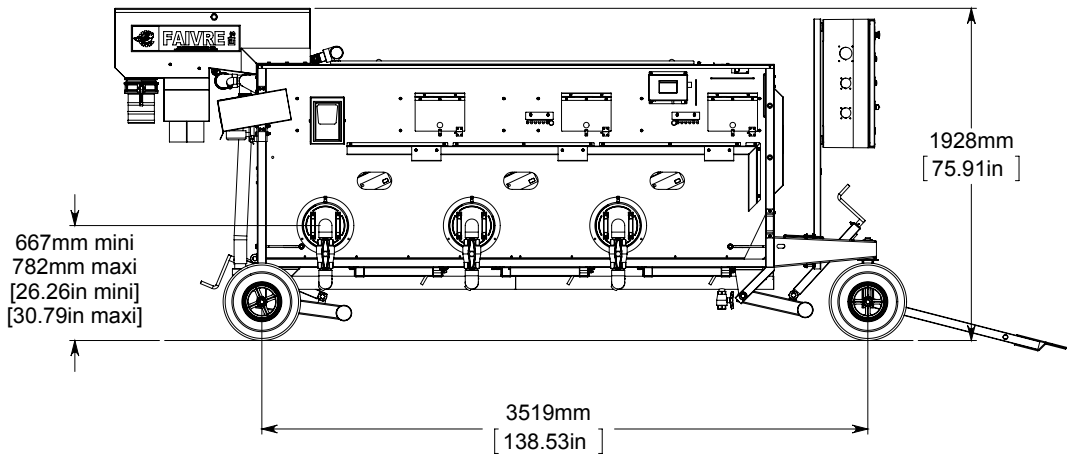
Control box
- 15

Fish counters touch screen display



Description

Specifications



Grader model	HELIOVISION 40		
Counters configuration	3 Pescavision 30	2 Pescavision 30 1 Pescavision 50	1 Pescavision 30 2 Pescavision 50
Number of channels	3	3	3
Number of grades	3	3	3
Number of counters (Pescavision 30 or 50)	3	3	3
Channel length (mm)	2500	2500	2500
Max. channel opening (mm)	65	65	65
Number of exits and Ø (mm)	6 x Ø 250	6 x Ø 250	6 x Ø 250
Min. max. weight (Trout/Salmon)	40 g - 1 kg	40 g - 1,5 kg	40 g - 1,5 kg
Hourly rate (tons/hour)	3 - 6	3 - 6	3 - 6
Weight (kg)	580	580	580
Weight (Lbs)	1278	1278	1278
Motor power	0.37 kW	0.37 kW	0.37 kW
References	TC40304	TC40214	TC40124



# PESCAVISION

## Led fish counter

### Pescavision 40

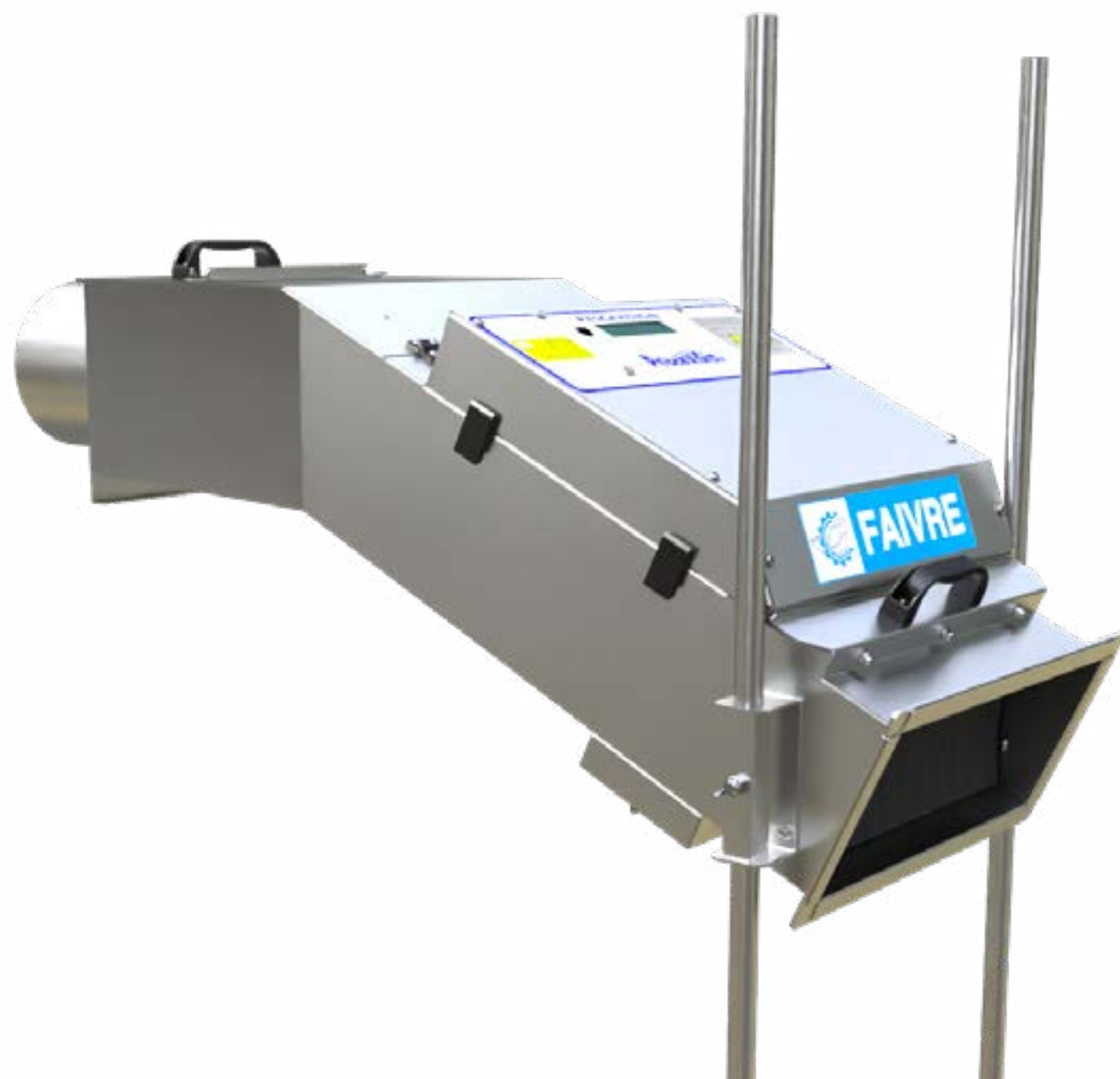
### Fish counters for counting Fish weight 40 g to 1,5 kg

They offer an unparalleled ease of use.. They can be installed very quickly.  
The Pescavision 40 model cover counting needs extending from 50 g to 1,5 kg.

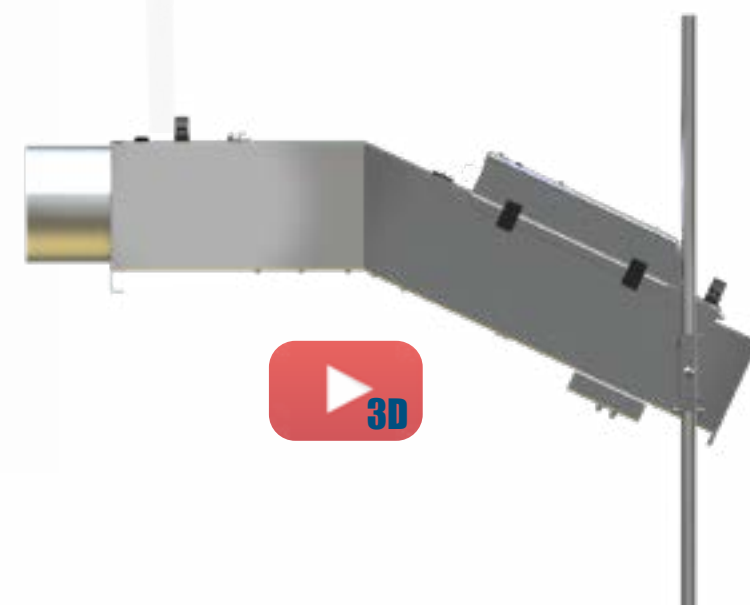
It is designed to be placed at the outlet of the grading machine, thereby centralizing the equipment and reducing the installation time. With this system, no more counters at the end of the pipes.

Our Pescavision count many fish species such as:

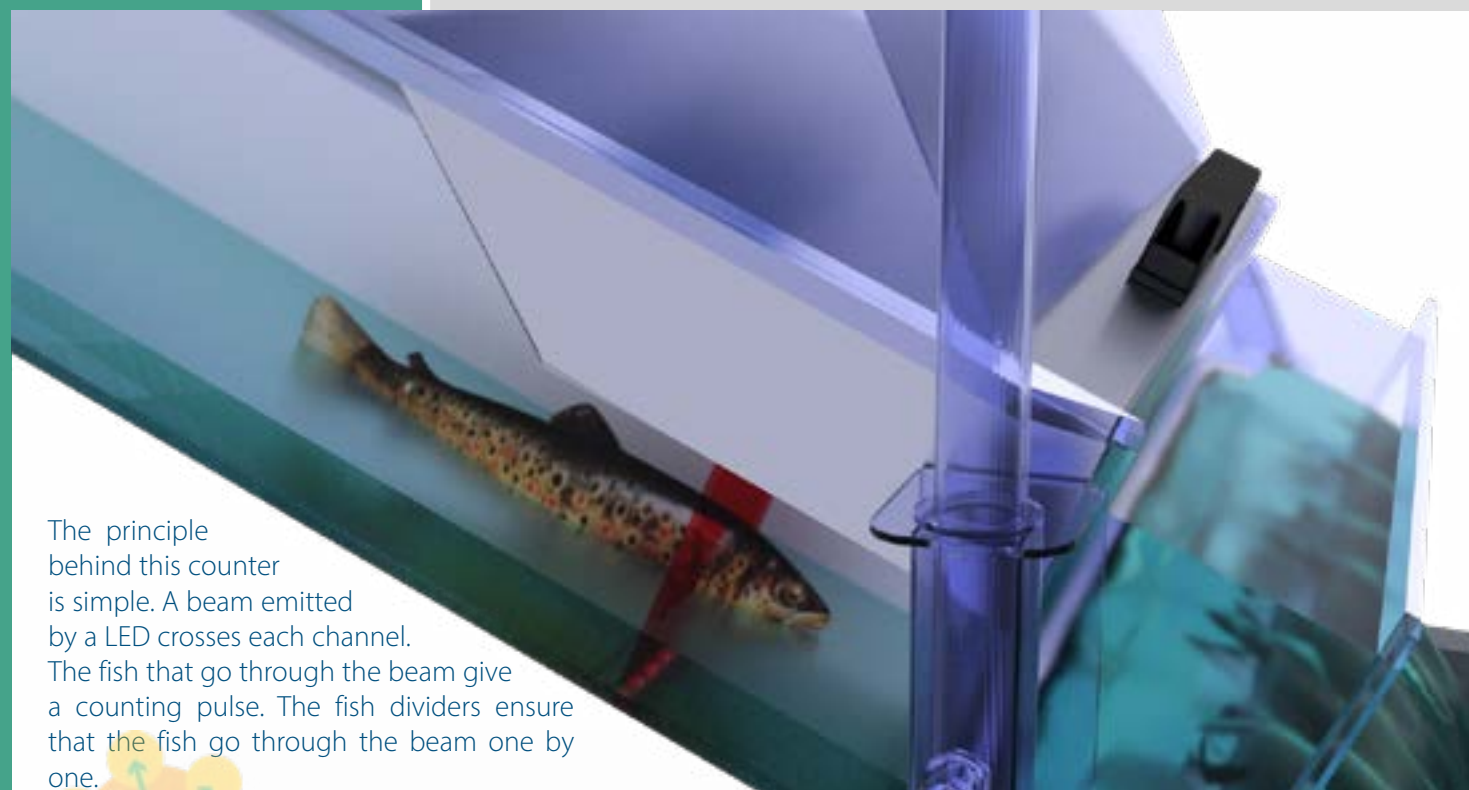
- Trout
- Salmon
- Tilapia
- Carps
- Perch
- Sea Bass
- Sea Bream
- Etc...



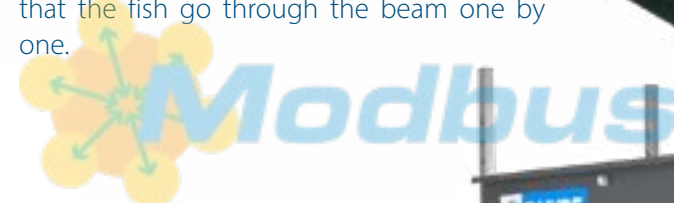
The Pescavision 40 as 3 counting channels







The principle behind this counter is simple. A beam emitted by a LED crosses each channel. The fish that go through the beam give a counting pulse. The fish dividers ensure that the fish go through the beam one by one.



Easy to install on the farm with our new counting station with four (4) Pescavision fish counters and a reception tank.  
Ref. : **PESCATROL** (see page 164)

A NEW optional control box to centralize counting information up to 4 fish counters  
Ref. : **PESCA4CO**



Helios grader coupled with four (4) Pescavision 40 fish counters and a reception tank

Reception tank for Pescavision :  
- Ø 200 mm Ref. : **CBRC200**  
- Ø 250 mm Ref. : **CBRC250**

**CBRC200**

**CBRC250**



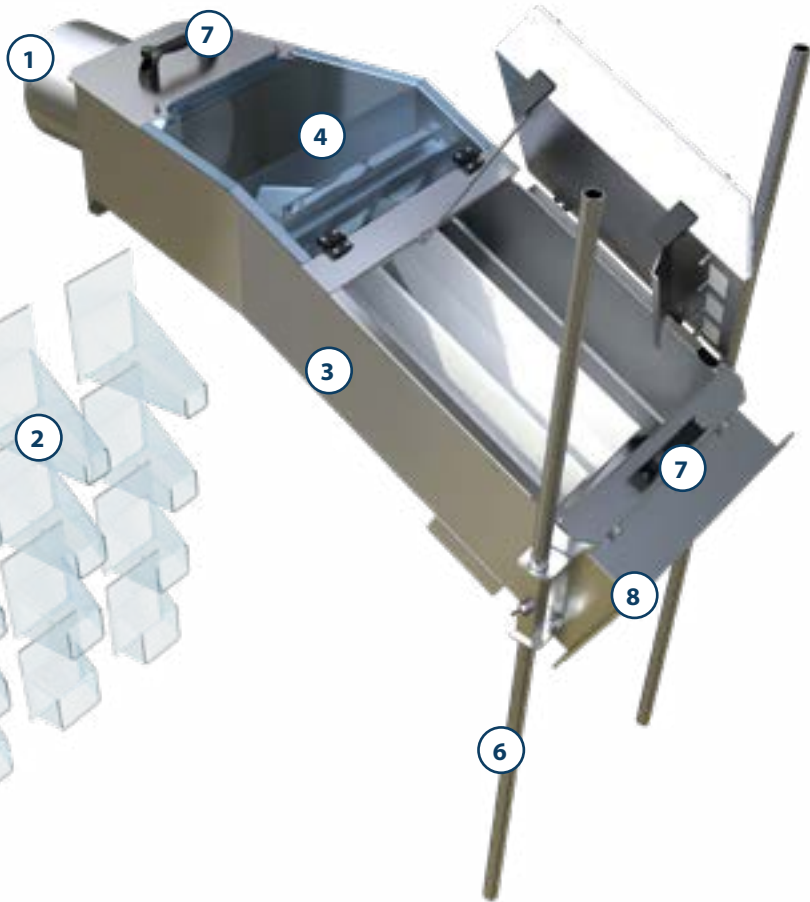
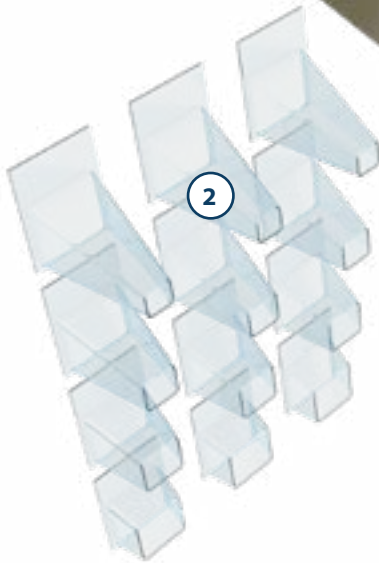
Easy to use !  
Large touch screen counter display.  
All information in a single display:  
- Number of fish for each counter  
- Total number of fish  
- History of the 5 last counting sessions  
- Counting time

\*Download the counting report on your PC with the USB key.

(\*Control Box only)



- ① Fish counter inlet female Ø 200 mm
- ② Fish dividers (Our fish counter is delivered with 4 fish dividers)
- ③ Fish counter box in marine grade aluminum
- ④ Channel access with cover
- ⑤ LCD display : number of fish
- ⑥ Counter feet
- ⑦ Carry handles
- ⑧ Fish counter outlet



Description

PESCAVISION  
Led fish counter

PESCAMOTION  
Propeller fish pump

HELIOS  
Live fish grader



Specifications

Fish counter model	PESCAVISION 40	
Fish species	Trout Salmon	Bass/Bream/Tilapia
Fish weight	50 g to 1,5 kg	50 g to 600g
Capacity (maxi)	3t/h	
Number of chan- nels	3	
Channel width	135 mm	
Connection diameter	200 mm	
Accuracy	98 % - 100 %	
Weight	25 kg - 55 lbs	
Voltage 50/60 Hz	Delivery with 110 - 240 V/24 V power supply	
Reference (Fresh and sea water)	PESCA40	



## Standard Pack

### Up to 3 to 4 tons/hour

- 4 sizes :
- 1 Pescamotion 40 fish pump (up to 1,5kg)
  - 1 Helios grader 40 (5g - 1,5 kg) / 3 channels
  - 1 Water pump 40m3/h
  - 1 Control box
  - 2 Pescavision 30 Fish counters (40g - 1kg)
  - 2 Pescavision 50 fish counters (400g-4,5kg)
  - 4 Reception tanks

Fresh and Sea water pack  
Ref : **GPST4**

40g to 1,5 kg



Trout / Salmon

40g to 800g



Tilapia

40g to 800g



Sea Bream

40g to 800g



Sea Bass

**PESCAVISION**  
Lad fish counter

**HELIOS**  
Live fish grader

**PESCAMOTION**  
Propeller fish pump

### Pescamotion 40

#### Specifications

Fish pump model	PESCAMOTION 40
Prime control	Frequency variator
Prime drive motor	1,1 kW 400 V 3ph 50 Hz
Inlet Ø	(203mm) 8 in male camlock
Outlet Ø	(203mm) 8 in male camlock
Total dynamic head	14 m - 46 ft( 3 m suction and 11 m discharge)
Fish weight max.	1500 g Trout/Salmon
Pump speed	100 to 390 rpm
Water flow	380 m³/h - 1673 gpm
Reference (Fresh and sea water)	<b>PH0802</b>



### Pescavision 40

#### Specifications

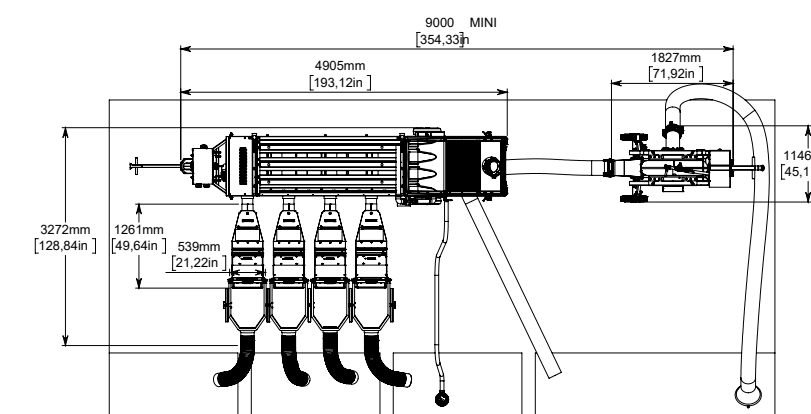
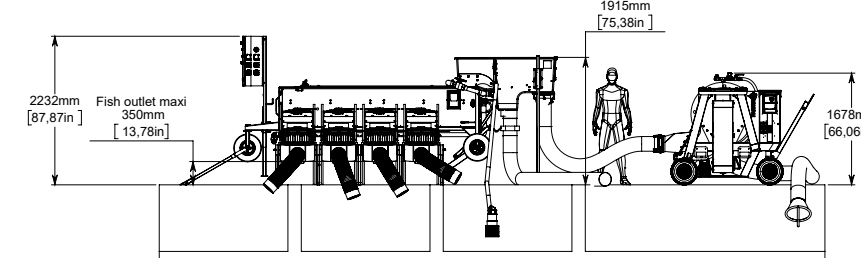
Fish counter model	PESCAVISION 40	
Fish species	Trout Salmon	Bass/Bream/Tilapia
Fish weight	50 g to 1,5 kg	50 g to 600g
Capacity (maxi)	3t/h	
Number of channels	3	
Channel width	135 mm	
Connection diameter	200 mm	
Accuracy	98 % - 100 %	
Weight	25 kg - 55 lbs	
Voltage 50/60 Hz	Delivery with 110 - 240 V/24 V power supply	
Reference (Fresh and sea water)	<b>PESCA40</b>	



### Helios 40

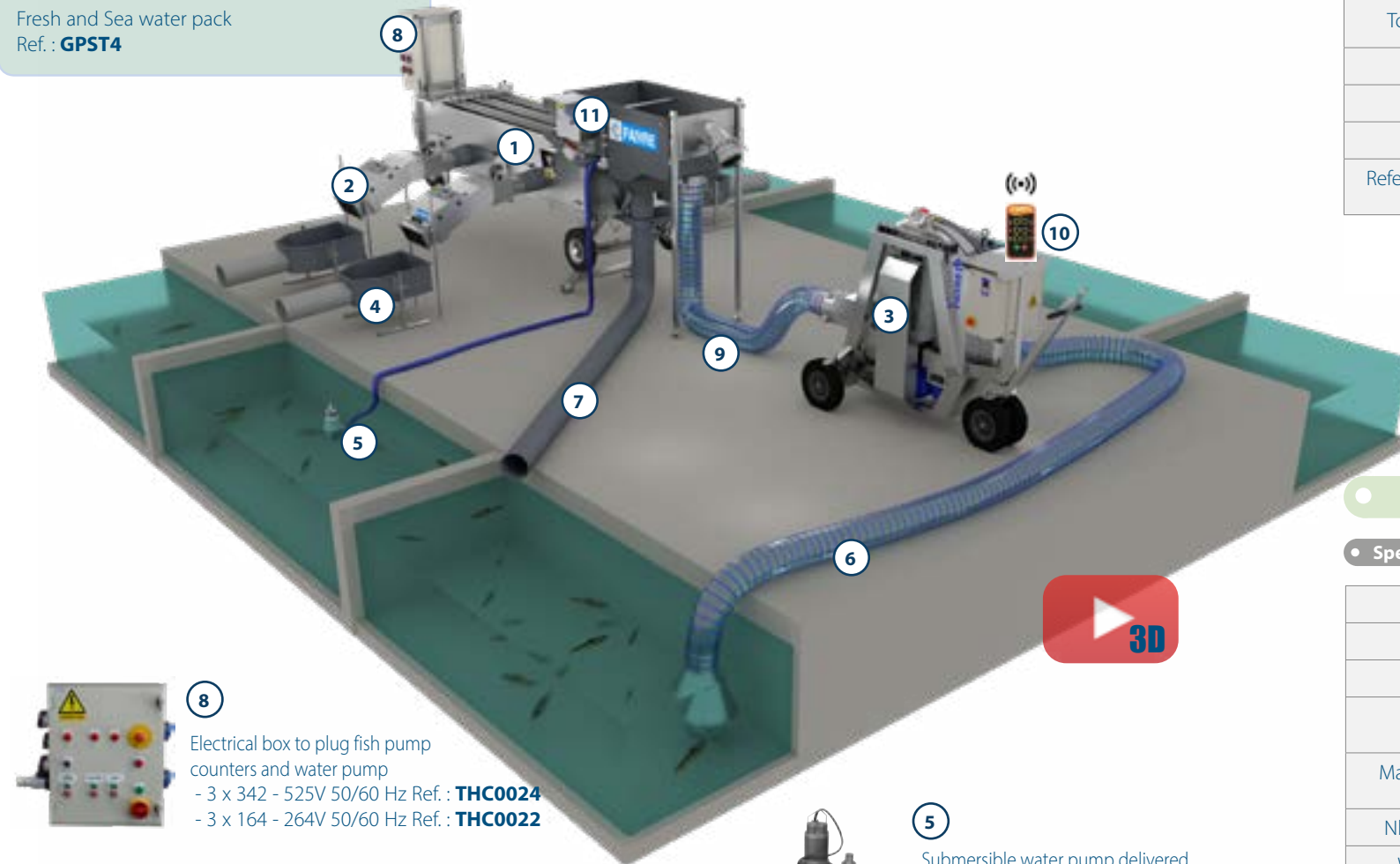
#### Specifications

Grader model	HELIOS 40
Nbr of channels	3
Nbr of size	4
Length of grading channels(mm)	2500
Max. channels opening (mm)	65
Nbr of outlets Ø (mm)	8 x Ø 200
Weight min. - max. (Trout/Salmon)	5 g - 1,5 kg
Weight min. - max. (Bass/Bream/Tilapia)	5 g - 800 g
Hourly rate (tons/hour)	3 - 4
Height (m)	1,3
Advice pump flow (m3/h)	40
Reference (Sea water 316L)	<b>TH4036</b>



#### Power ratings and weights summary

Machines	Power	Weight
Helios fish grader 40	0,37 kW	480 kg - 1058 lbs
Fish pump Pescamotion 40	11 kW	502 kg - 1100 lbs
Fish counter (one unit)	0,05 kW	24 kg - 53 lbs
Water pump 40m3/h	1,1 kW	30 kg - 66 lbs



8 Electrical box to plug fish pump counters and water pump  
- 3 x 342 - 525V 50/60 Hz Ref : **THC0024**  
- 3 x 164 - 264V 50/60 Hz Ref : **THC0022**



5 Submersible water pump delivered with 5m of flexible pipe and storz fittings to plug at the grader  
Ref. (Sea water 316L) : **TPOW40I6T5**

- 1 Helios 40 fish grader
- 2 Pescavision 40 fish counters
- 3 Fish pump Pescamotion 40 (Ø 200mm - 8 in)
- 4 Reception tanks outlet Ø 200 mm
- 5 Submersible water pump 40 m3/h
- 6 5 m suction flexible pipes Ø 200 mm (8 in)
- 7 5 m dewatering pipes Ø 200 mm (8 in)
- 8 Control box
- 9 5 m discharge flexible pipes Ø 200 mm (8 in)
- 10 Fish pump Remote control 1 Counting station (Option)
- 11 Counting station (optional)

All packs are given as an example and can be modified according to the customer needs



High capacity Pack

Up to 4 to 6 tons/hour

- 4 sizes :
- 1 Pescamotion 40 fish pump (up to 1,5kg)
  - 1 Helios grader 400 (5g -1,5 kg) / 5 channels
  - 1 Water pump 50m3/h
  - 1 Control box
  - 2 Pescavision 30 Fish counters (40g - 1kg)
  - 2 Pescavision 50 Fish counters (500g - 4,5kg)
  - 4 Reception tanks

Fresh and Sea water pack

Ref. : **GPHC4**

40g to 1,5 kg



Trout / Salmon

40g to 800g



Tilapia

40g to 800g



Sea Bream

40g to 800g



Sea Bass



Pescamotion 40



Specifications

Fish pump model	PESCAMOTION 40
Prime control	Frequency variator
Prime drive motor	0.75 kW 400 V 3ph 50 Hz
Inlet Ø	(203mm) 8 in male camlock
Outlet Ø	(203mm) 8 in male camlock
Total dynamic head	14 m - 46 ft( 3 m suction and 11 m discharge)
Fish weight	up to 1500 g Trout/Salmon
Pump speed	100 to 390 rpm
Water flow	380 m³/h - 1673 gpm
Reference (Fresh and sea water)	<b>PH0802</b>

Pescavision 40



Specifications

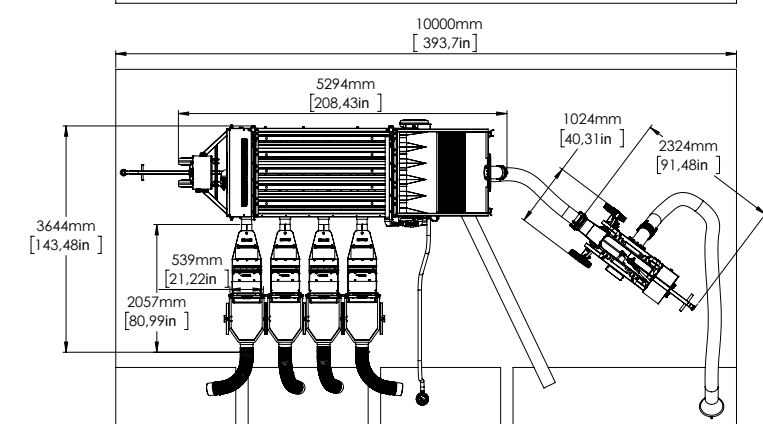
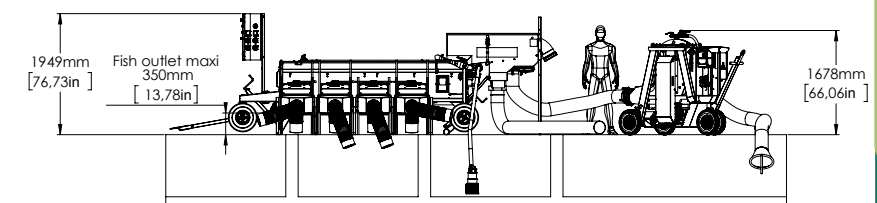
Fish counter model	PESCAVISION 40	
Fish species	Trout Salmon	Bass/Bream/Tilapia
Fish weight	50 g to 1,5 kg	50 g to 600g
Capacity (maxi)	3t/h	
Number of channels	3	
Channel width	135 mm	
Connection diameter	200 mm	
Accuracy	98 % - 100 %	
Weight	25 kg - 55 lbs	
Voltage 50/60 Hz	Delivery with 110 - 240 V/24 V power supply	
Reference (Fresh and sea water)	<b>PESCA40</b>	

Helios 400



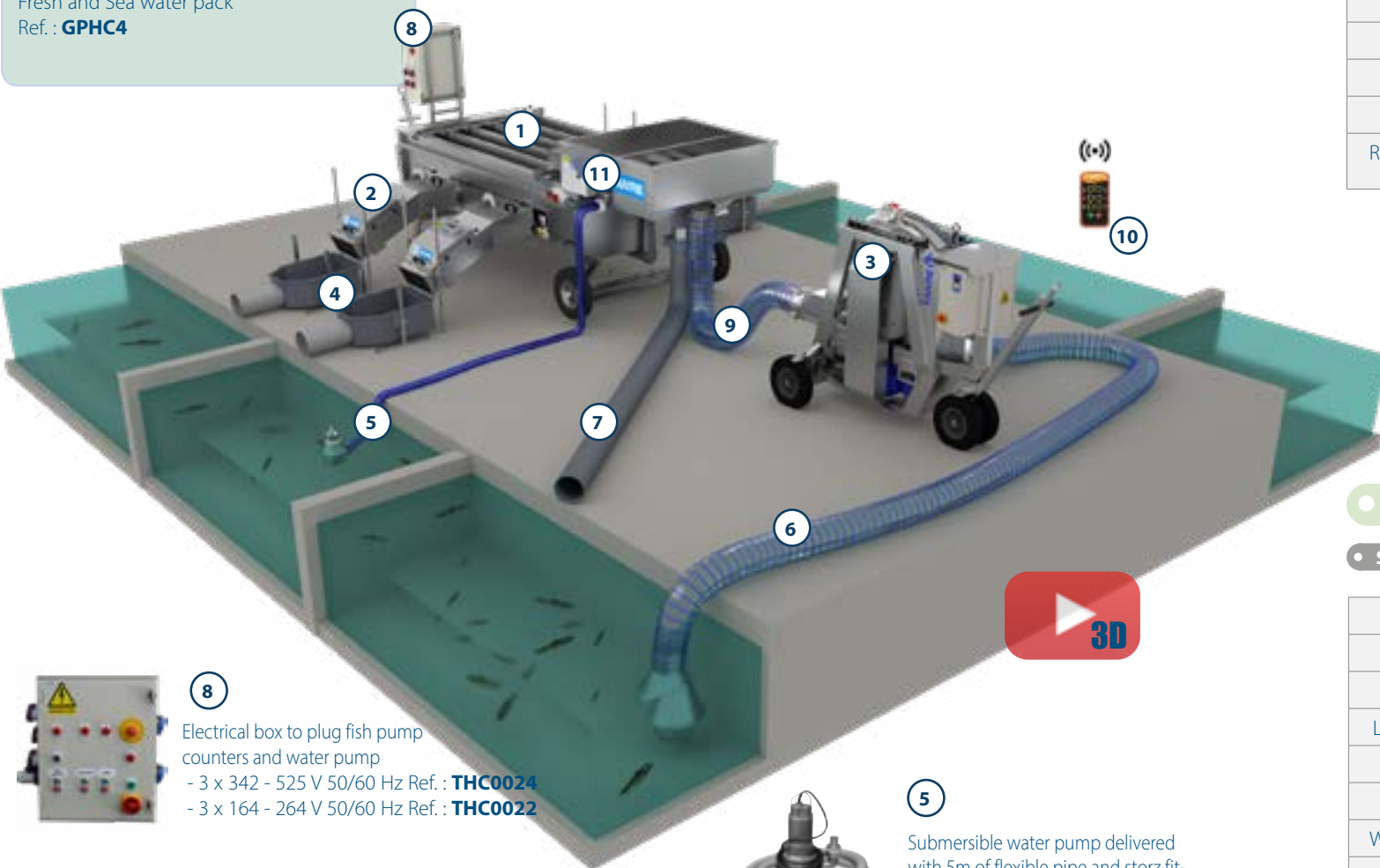
Specifications

Grader model	HELIOS 400
Nbr of channels	5
Nbr of size	4
Length of grading channels(mm)	2500
Max. channels opening (mm)	65
Nbr of outlets Ø (mm)	8xØ 200
Weight min. - max. Trout/Salmon	5 g - 1,5 kg
Weight min. - max. Bass/Bream/Tilapia/Carp	5 g - 800 g
Hourly rate (tons/hour)	4 - 6
Height (m)	1,3
Advice pump flow (m3/h)	50
Reference (Sea water 316L)	<b>TH4056</b>



Power ratings and weights summary

Machines	Power	Weight
Helios fish grader 400	0,37 kW	520 kg - 1146 lbs
Fish pump Pescamotion 40	11 kW	502 kg - 1100 lbs
Fish counter (one unit)	0,05 kW	24 kg - 53 lbs
Water pump 50 m³/h	2,2 kW	30 kg - 66 lbs



- 8
- Electrical box to plug fish pump counters and water pump
- 3 x 342 - 525 V 50/60 Hz Ref. : **THC0024**
  - 3 x 164 - 264 V 50/60 Hz Ref. : **THC0022**



- 5
- Submersible water pump delivered with 5m of flexible pipe and storz fittings to plug at the grader
- Ref. (Sea water 316L) : **TPOW50I6T5**

- 1 Helios 400 fish grader
- 2 Pescavision 40 fish counters
- 3 Fish pump Pescamotion 40 (Ø 200mm - 8 in)
- 4 Reception tanks outlet Ø 200 mm
- 5 Submersible water pump 50 m3/h
- 6 5 m suction flexible pipes Ø 200 mm (8 in)
- 7 5 m dewatering pipes Ø 200 mm (8 in)
- 8 Control box
- 9 5 m discharge flexible pipes Ø 200 mm (8 in)
- 10 Fish pump Remote control 1 Counting station (Option)
- 11 Counting station (optional)



# 50

## Series Harvesting Equipment

- **Salmon / Trout**  ..... 400 g to 2500 g
- **Tilapia**  ..... 400 g to 1000 g



• Pescavac 50  
Page 103



• Pescamotion 50  
Page 109



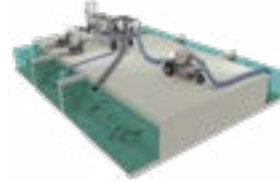
• Helios 50 / 500  
Page 115



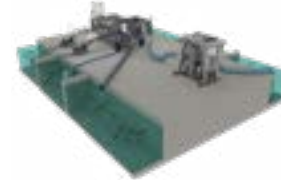
• Heliovision 50  
Page 123



• Pescavision 50  
Page 128



• Pack Standard 50  
Page 138



• Pack High Capacity 50  
Page 140

# PESCAVAC

## Vaccum fish pump



8"

Fish Pump

2,5"

Series

10

Series

30

Series

40

Series

50

Series

60



## Vacuum Fish Pump PESCAVAC

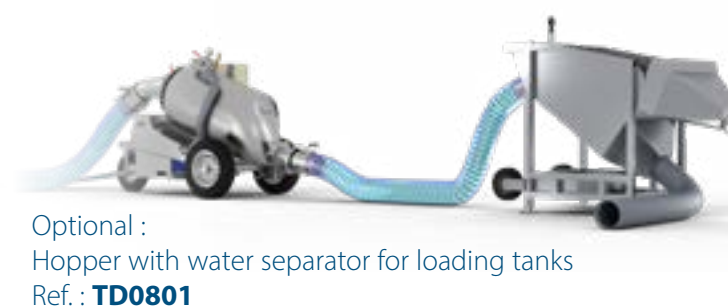
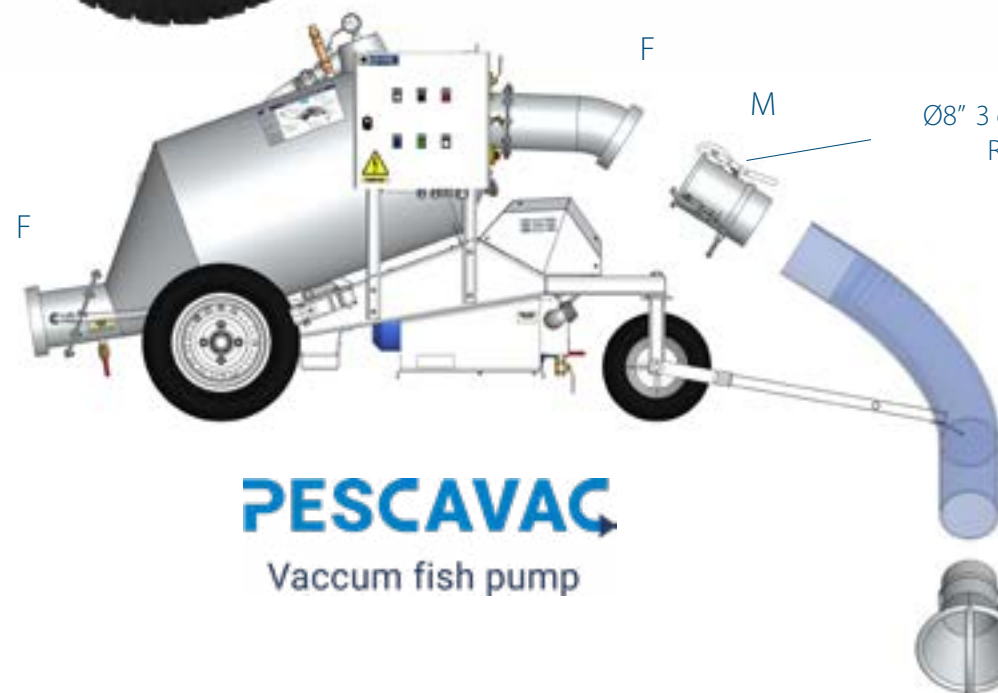
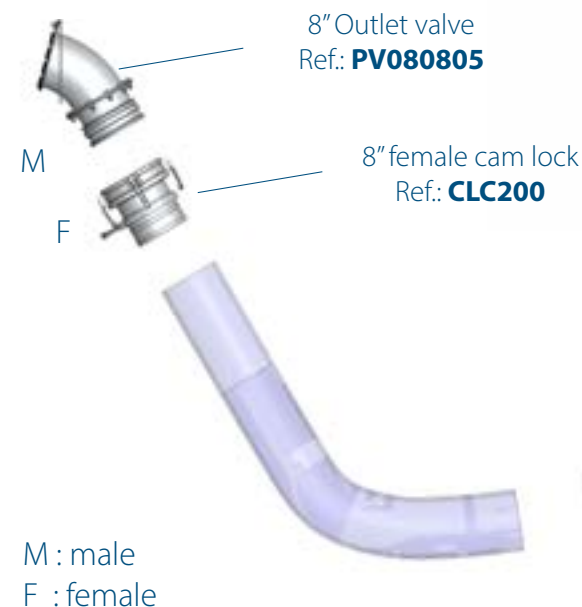
Vaccum fish pump

### Pescavac 50

Key benefits :

- ✓ High capacity 6 - 8 tons/hour
- ✓ Handle fish up to 3,5kg (Salmonidae)
- ✓ Bass/Bream 1,5 kg max.
- ✓ Discharge height 5m
- ✓ Suction height 4m

FAIVRE company has developed a new model of Vacuum Fish Pump called "Pescavac 8" to transfer live fish up to 2,5kg (Salmonidae).  
High quality construction in Stainless steel.  
Easy to handle with its compact frame with large wheels.



Exclusive



Electrically operated 4 - way valve allowing precise control of the closing speed of the valve. Your fish are safely transported.



Simple front panel electrical box for an easy control of the vacuum pump.

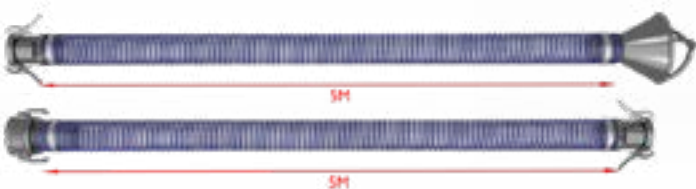


Inflatable tires with break handle.Ø570mm (23") for security and an easy moving on the farm.





- 1 Electrical control box
- 2 Ø 200 mm (8in) intake pipe with 3 clamps fitting
- 3 AISI 316L stainless steel vacuum pump
- 4 AISI 316L stainless steell frame
- 5 Inflatable tires Ø 400 mm (16in)
- 6 Towbar
- 7 Stainless steel pump tank
- 8 Ø 200 mm (8in) discharge connection with 3 clamps fitting
- 9 Inflatable tires Ø 570 mm (23in)
- 10 Break handle
- 11 Fork lift handle system
- 12 AISI 316L stainless steel Suction cone
- 13 Ø 200 mm (8") Female camlock
- 14 Ø 200 mm (8") Outlet valve

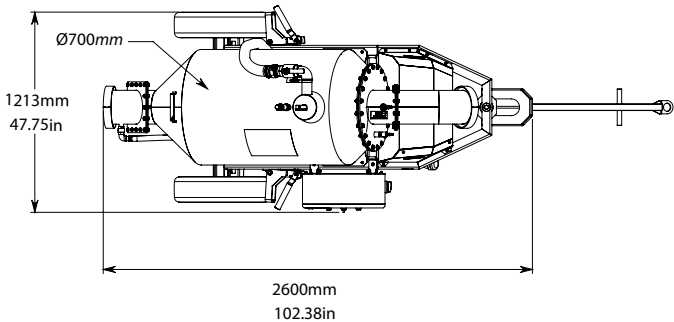
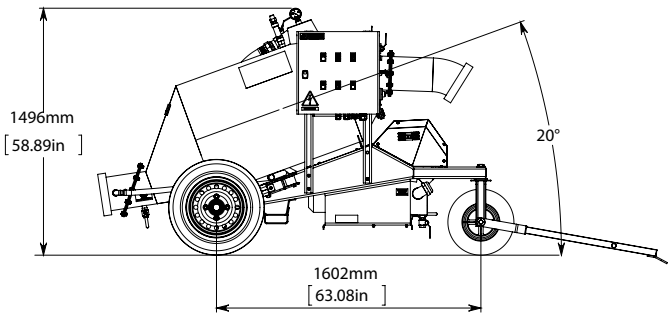


INCLUDED : 2X3 clamp fittings, 1 cam lock female, 1 outlet valve and 1 suction cone 8"  
 - (2 x 5 meters) 8" Flexible hose Bonzai (aspiration and discharge).  
 Ref.: **PP0803C**



Specifications

Fish pump model	PESCAVAC 50
Vacuum pump motor	5,3 kW
Inlet Ø	(200 mm) 8" male
Outlet Ø	(200 mm) 8" male
Maximum discharge head	5 m (196 in)
Maximum suction head	4 m (157 in)
Fish size	Up to 3,5 kg (Trout/Salmon)
Weight	440 kg - 970 lbs
Stainless steel quality	AISI 316L
Reference 3 x 380 - 480 V 50/60 Hz	<b>PV0801</b>
Reference 3 x 230 V 50/60 Hz	<b>PV0802</b>
Reference 3 x 500 - 600 V 50/60 Hz	<b>PV0803</b>

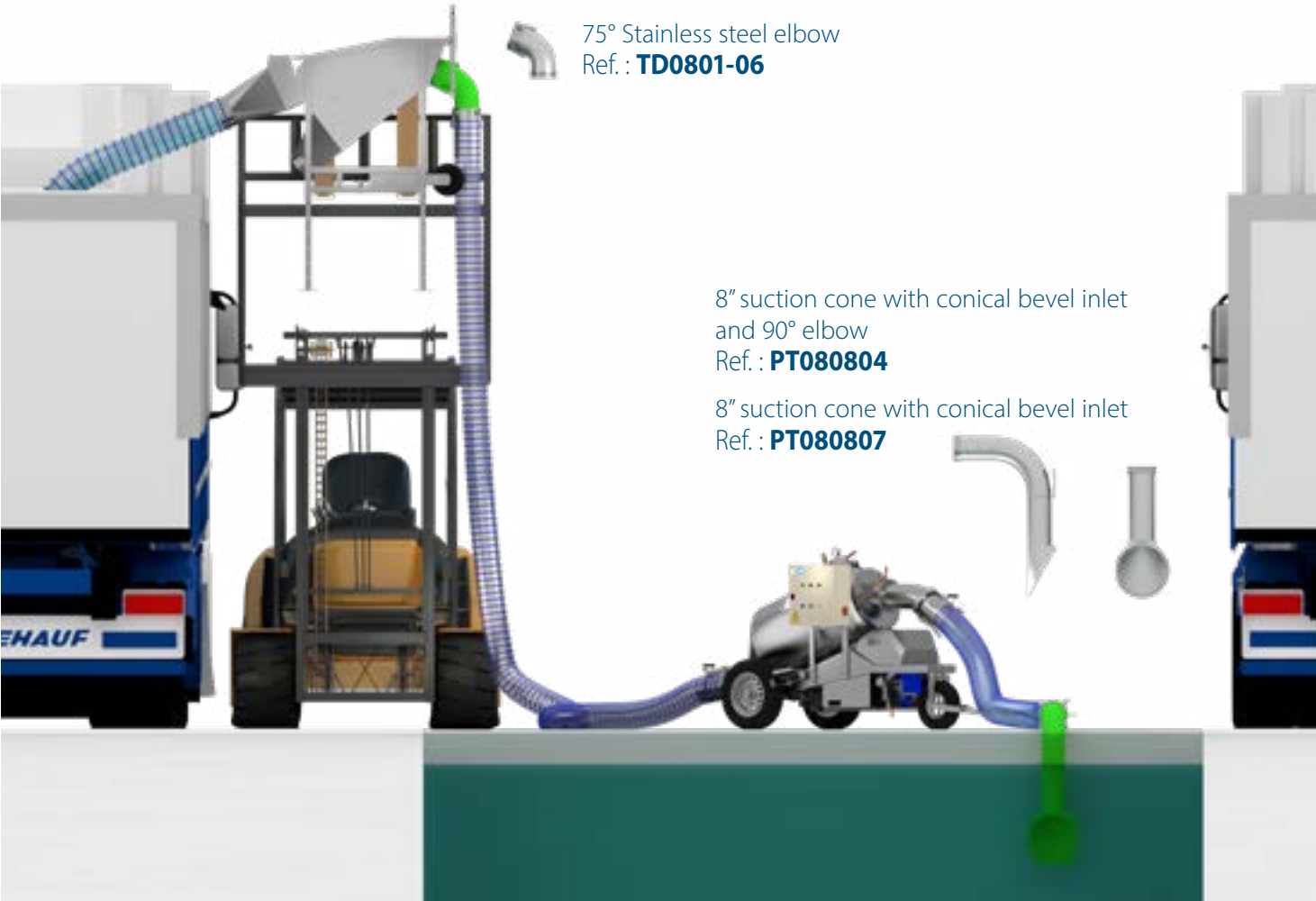


Description

OPTIONS

Dewat 40 (8")

The Dewat 40 (10mm grid as standard and 5mm as option) suitable for the Pescamotion 40 or Pescavac 50 pump and the Helios 40 or 50 grader.  
 Delivered with Ø200mm slide gate valve and 2m flexible pipe.  
 Ref. : **TD0801**



75° Stainless steel elbow  
 Ref. : **TD0801-06**

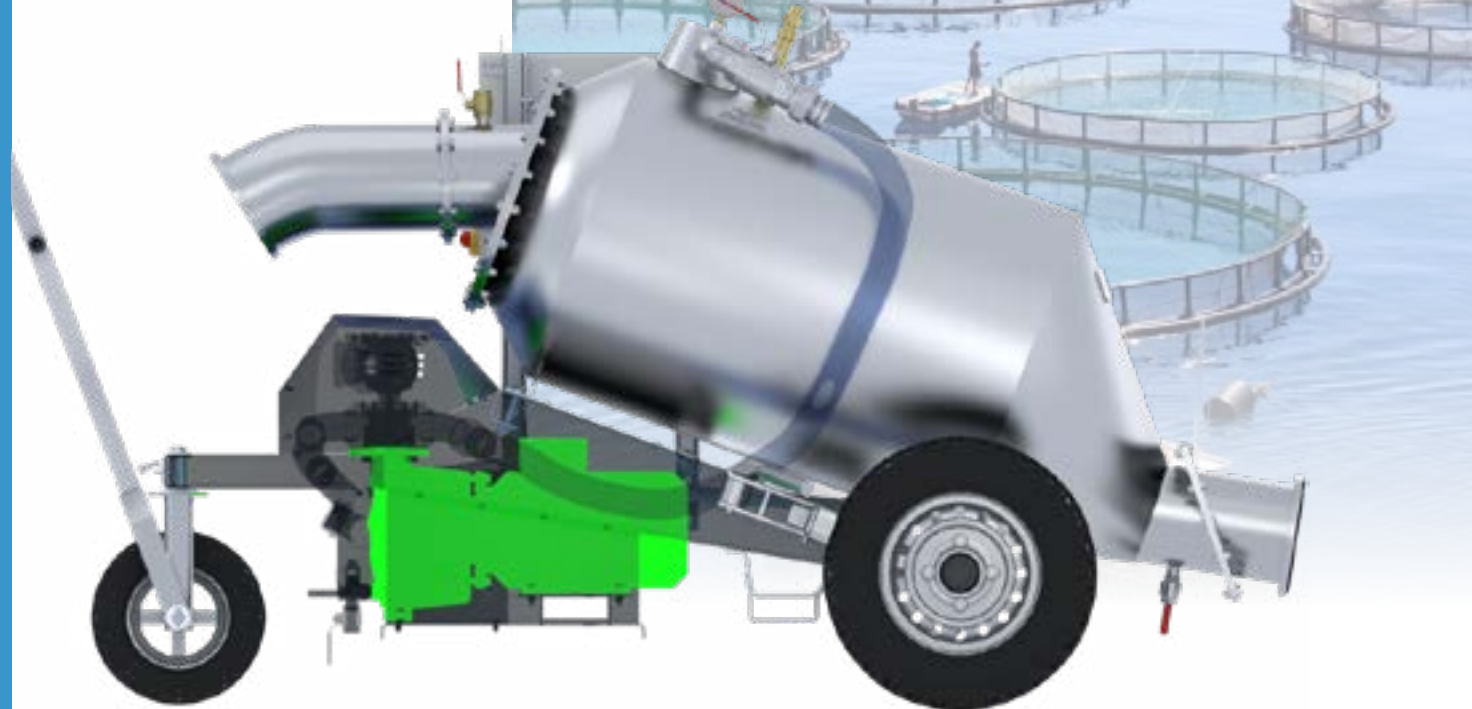
8" suction cone with conical bevel inlet and 90° elbow  
 Ref. : **PT080804**

8" suction cone with conical bevel inlet  
 Ref. : **PT080807**



• 2022 NEW

**Seawater  
pump as standard**

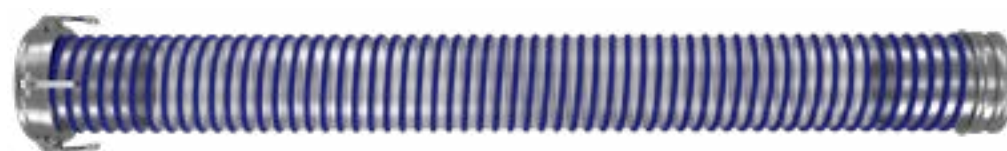


## Semi - transparent, flexible hoses

Ø 8 "(Ø 200 mm) pipes with male and female cam lock fitted at each end of the pipe

Ref.: **PP0803FM** long. 5 m

Ref.: **PP0804FM** long. 10 m

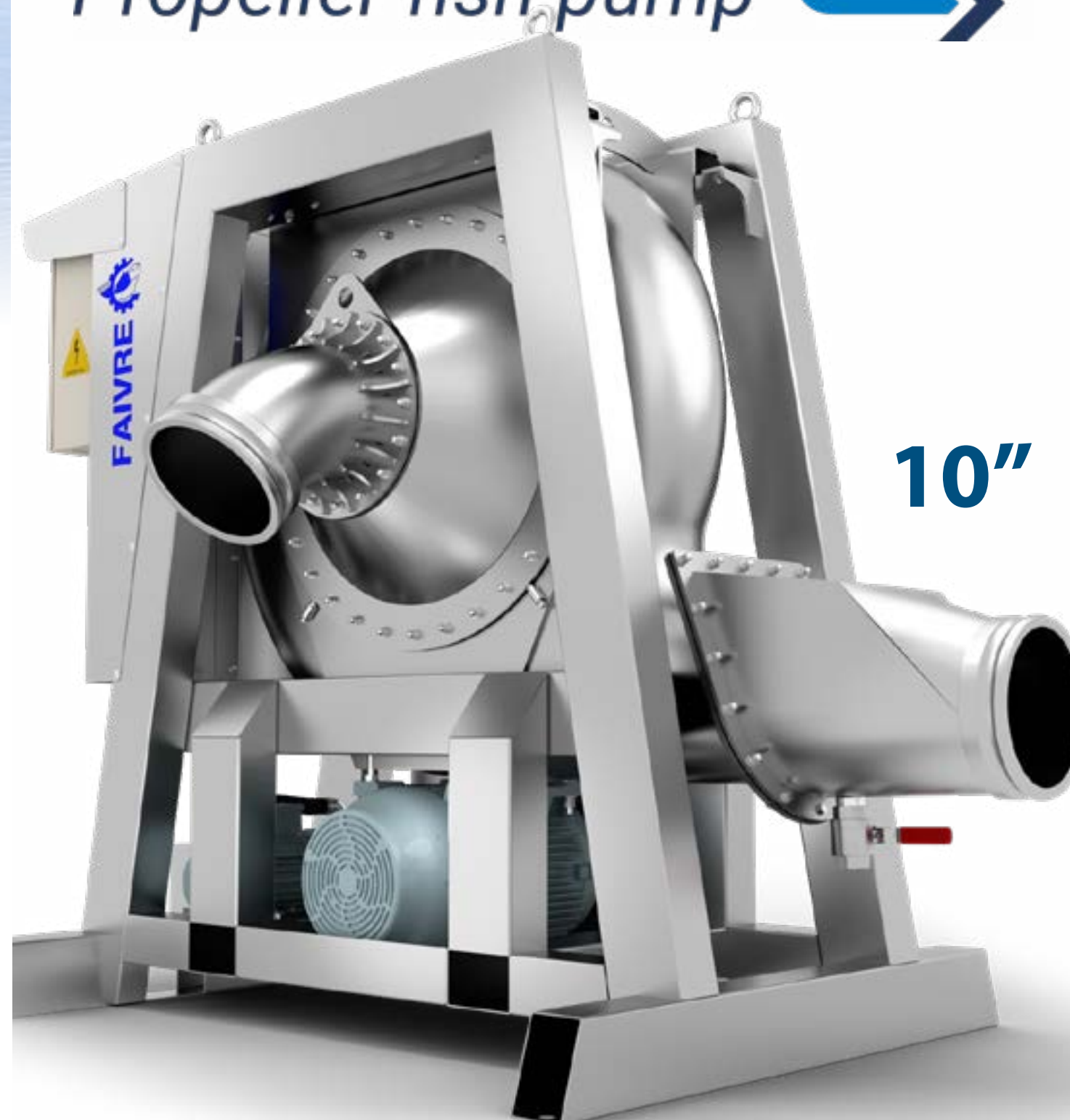


## Parts for fish pump 8"

- 8" Cam lock male (Aluminum) Ref.: **CLEA200**
- 8" Cam lock female (Aluminum) Ref.: **CLCA200**
- 8" 3 clamps fittings Ref.: **PV080801**
- 8" Suction cone standard Ref.: **PV080808**
- 8" Outlet valve (for grader universal dewatering hopper) Ref.: **PV080805**



**PESCAMOTION**  
Propeller fish pump



Fish Pump

2,5"

10 Series

6"

30 Series

6-8"

40 Series

8"

50 Series

8-10"

60 Series



### A new 10" (250 mm) fish pump, with high performance.

#### Pescamotion 50

Ideal for supplying a high capacity grader, for transferring Fish to a tank or loading lorries.

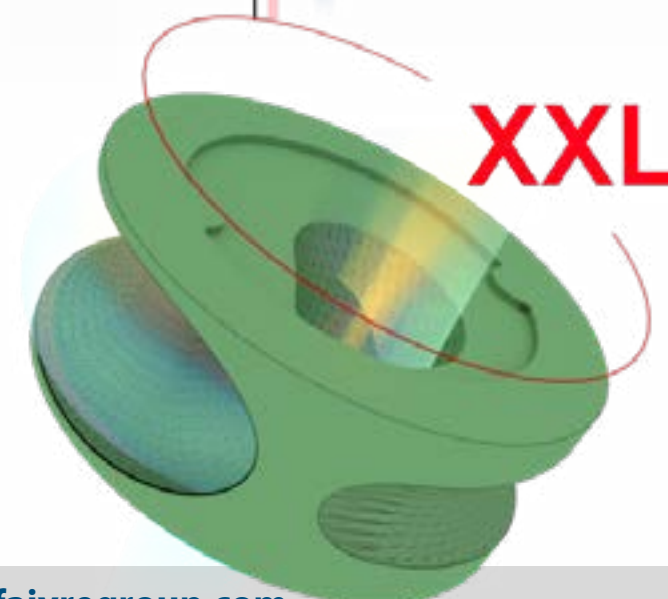
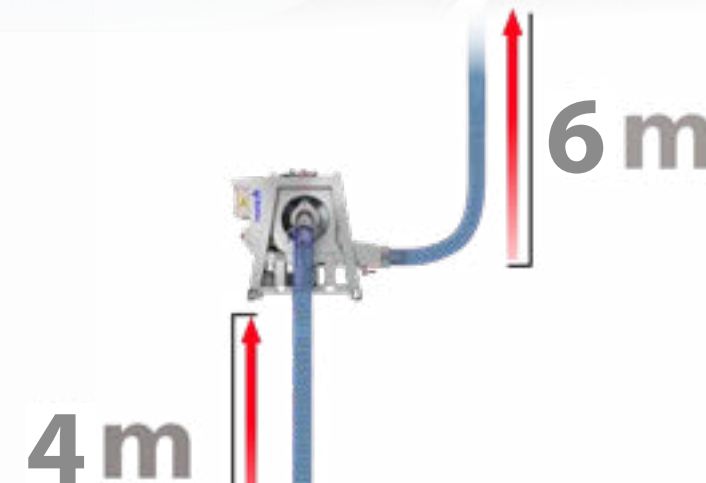
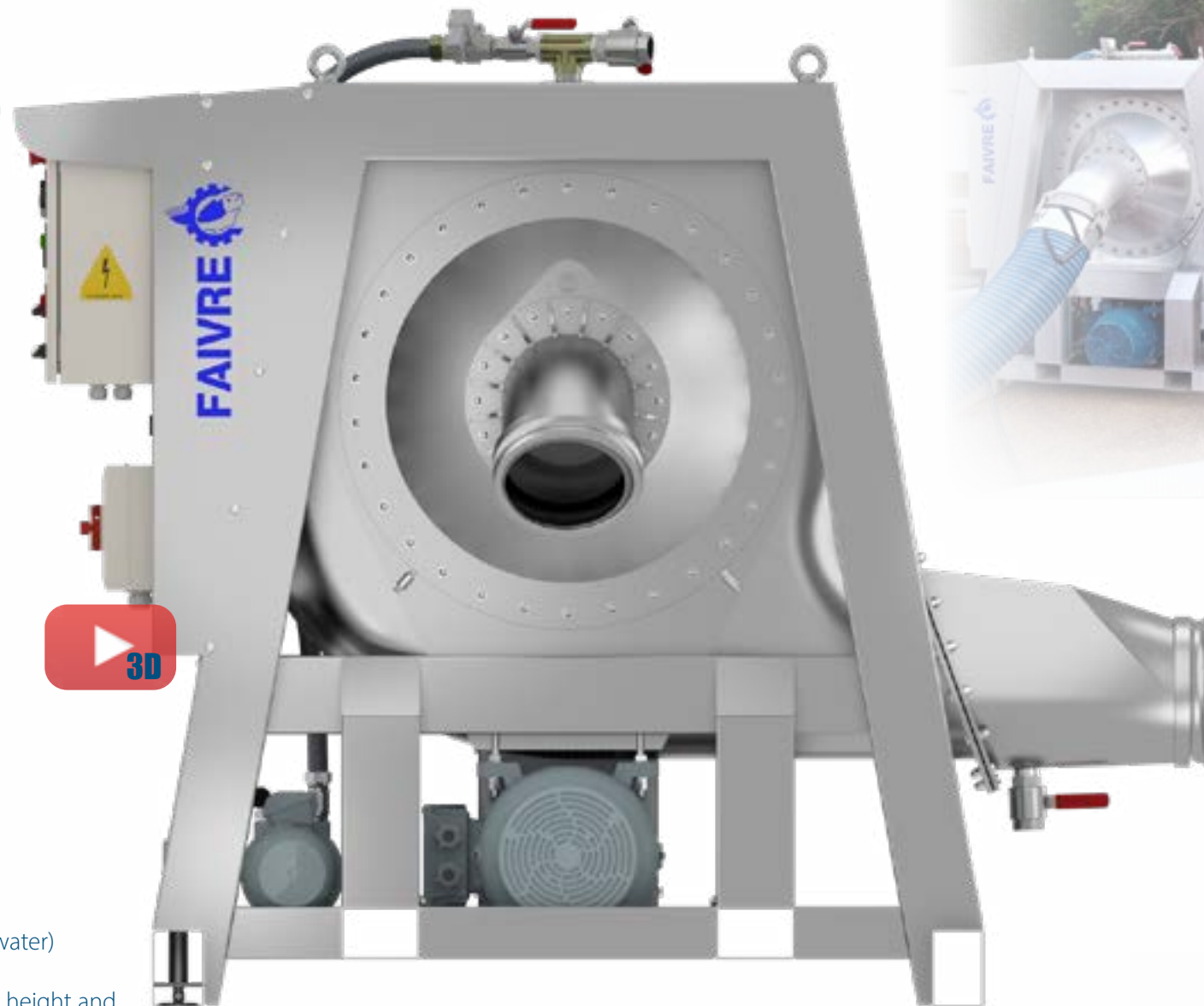
The Pescamotion 50 pump can easily be adapted to every situation.

- Premium performance :**
- Up to 3000 g (Trout Salmon)
  - Up to 1500 g (Sea Bass and Sea Bream)
  - Up to 12 m total dynamic head.

#### Key benefits :

- ✓ High capacity, up to 50 tons/hour
- ✓ For fish up to 3 kg on average weights (Salmonids)
- ✓ Total dynamic head : 12 m
- ✓ Weight : 950 kg - 2095 lbs
- ✓ Remote control as option (200 m - 650 ft)
- ✓ "Auto stop" priming system
- ✓ Free maintenance with "Belt drive system" pump
- ✓ Pump housing in Stainless steel 316L (ready to use in sea water)

Warning : The pump performance may vary according to the height and weight of the fish.



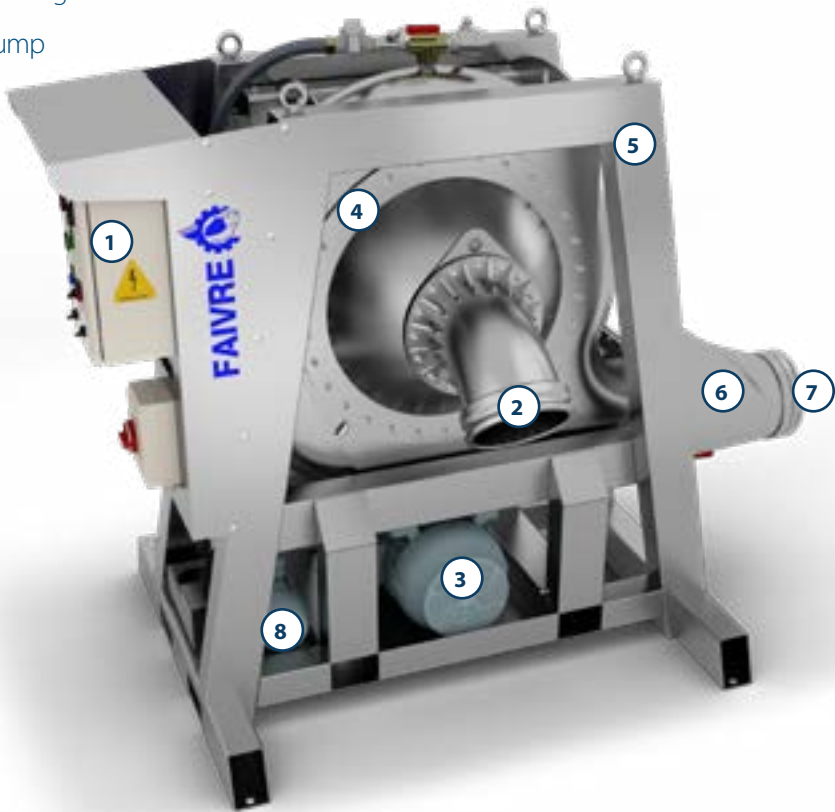
Electrical box central fitted with a frequency converter to control the pump speed.



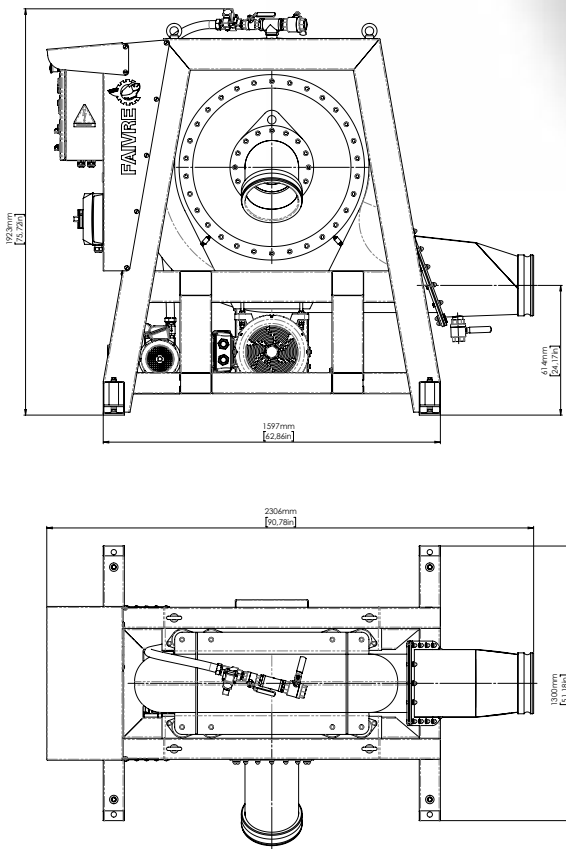
Optimized by powerful digital simulation tools, the performance of the Pescamotion 50 matches its exceptional design. Its 12 m total dynamic head allows its easy adaptation to every situation.



- 1 Electrical box
- 2 AISI 316L Stainless steel Adjustable suction elbow (10 in - 250 mm male camlock) intake pipe
- 3 Main pump motor
- 4 AISI 316L Stainless steel pump housing
- 5 AISI 316L Stainless steel frame
- 6 AISI 316L stainless steel pump outlet valve
- 7 Ø 250 mm (10 in - 250 mm male camlock) discharge connection
- 8 AISI 316L stainless steel priming liquid Ring Pump



Specifications



Model	PESCAMOTION 50
Main drive motor	18,5 kW
Main drive motor control	Frequency variator
Prime drive motor	1,5 kW
Inlet Ø	(250 mm) 10 in male cam lock
Outlet Ø	(250 mm)10 in male cam lock
Total dynamic head	12 m - 39 ft
Fish weight max (average )	3000 g Trout/Salmon
Pump speed max.	390 rpm
Water flow max. (390 rpm, 1m vertical head discharge)	600 m³/h
Weight	950 kg - 2095 lbs
Reference 3 x 380 - 480 V 50/60 Hz	PH1003
Reference 3 x 200 - 240 V 50/60 Hz	PH1004

Description

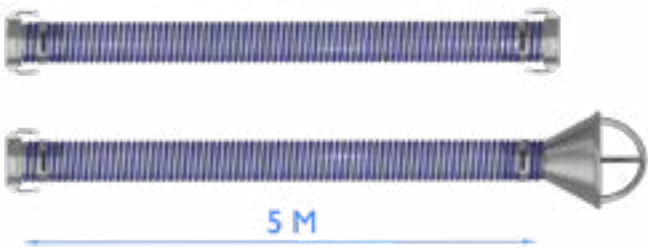
OPTIONS

Remote control

200 meters IP67 remote control, supplied as an option.  
 Allows a full control of the pump (stop / start, pump priming, pump motor, and speed control)  
 Belt clip and docking station included  
 Ref. : **PH00REM2**



Kit starter Pack 10'''



(5m Inlet / 5m Outlet) cam-lock MF and Suction cone  
 - kits of 2x5 meters of 8" flexible pipes  
 Ref. : **PP1001P**

Semi - transparent, flexible hoses

Ø 10" (Ø 250 mm) hoses with male and female cam lock mounted at each end of the hose  
 Ref. : **PP1003FM** long. 5 m



Ø 8" (Ø 200 mm) hoses with male and female cam lock mounted at each end of the hose  
 Ref. : **PP0803FM** long. 5 m  
 Ref. : **PP0804FM** long. 10 m



Option parts for fish pump



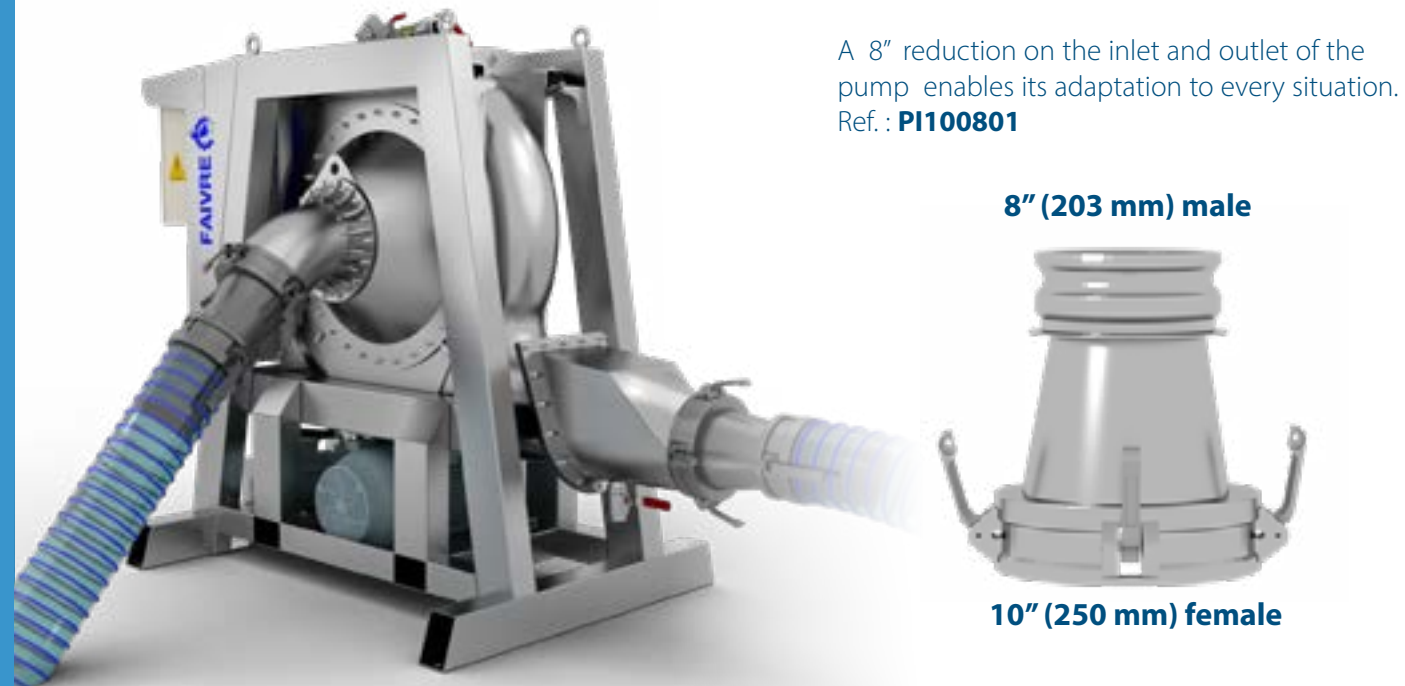
OPTION PARTS FOR FISH PUMP 8"

- Cam lock male (Aluminum) Ref. : **CLEA250**
- Cam lock female (Aluminum) Ref. : **CLCA250**
- 10" Suction cone Ref. : **PV100803**



• OPTIONS

## Adapter cam lock 10" to 8"



A 8" reduction on the inlet and outlet of the pump enables its adaptation to every situation.  
Ref. : **PI100801**

8" (203 mm) male

10" (250 mm) female

## Dewatering hopper Dewat 50 (10")

The water separator hopper is an important part of the proper functioning of a fish pump.  
To be effective, the water separating hopper must have a particularly studied design.  
For this, we called on digital simulation.  
Ref. : **TD1001H**



# HELIOS

## Live fish grader

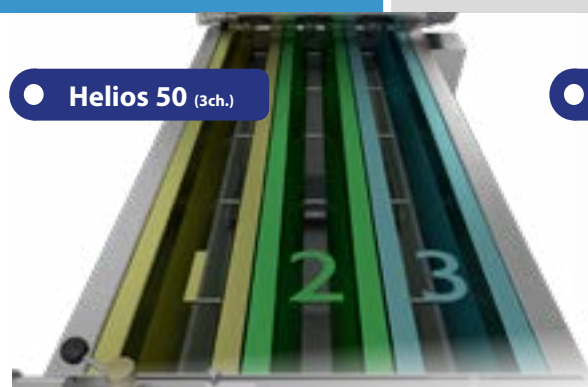


• Helios 50

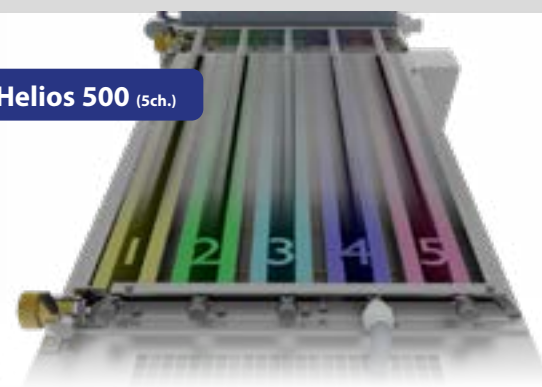
• Helios 500







● Helios 50 (3ch.)



● Helios 500 (5ch.)

### HELIOS 50 - 500 grader

50 g - 2,5 kg  
3 or 5 channels  
3 sizes

#### General characteristics :

- 3 grading channels Helios 50
- 5 grading channels Helios 500
- 3 receipt hoppers with outlet on each side of the machine.
- Electronic adjustable grading speed
- Lifting jack.
- Made of aluminium AISI 316L Stainless steel.

#### Main advantages :

- ✓ A grader fitted with the performing Sps Technology made for a high speed
- ✓ grading and without injury.
- ✓ A machine entirely made of aluminium and Stainless steel.
- ✓ An easy and perfect adjustment thanks to its lifting jack.
- ✓ An elaborate watering system fitted with adjustment gates.

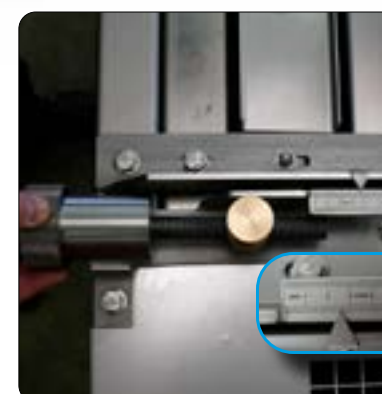


Emergency stop

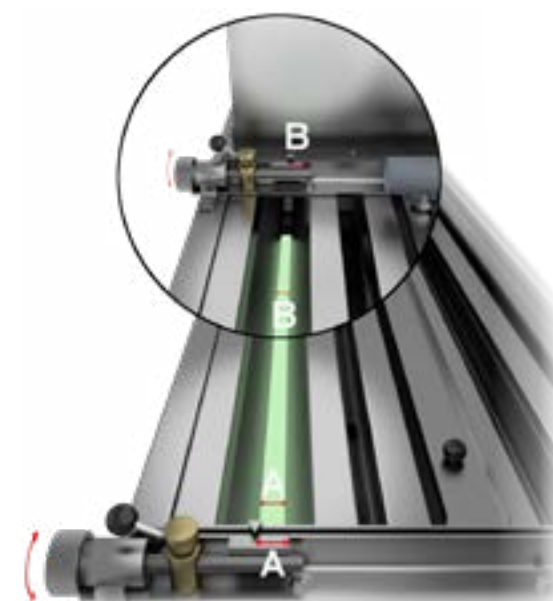
Grading speed variator

Main switch

Fish grader IP 67 electric panel.



Accurate adjustment vernier.







### Specifications

Grader model	HELIOS 50	HELIOS 500
Nbr of channels	3	5
Nbr of sizes	3	3
Length of grading channels (mm)	2400	2400
Max. channels opening (mm)	75	75
Nbr of outlets Ø (mm)	6 x Ø 250	6 x Ø 250
Weight min. - max. Trout/Salmon	50 g - 2,5 kg	50 g - 2,5 kg
Weight min. - max. Bass/Bream/Tilapia/Carp	50 g - 1kg	50 g - 1kg
Hourly rate (tonnes/hour)	3 - 6	5 - 9
Grader weight	690 kg - 1521 lbs	1045 kg - 2303 lbs
Height (m)	1,5	1,5
Motor power	0,55 kW	0,55 kW
Advice pump flow (m³/h)	50	60
Reference (Sea water 316L)	<b>TH5036</b>	<b>TH5056</b>

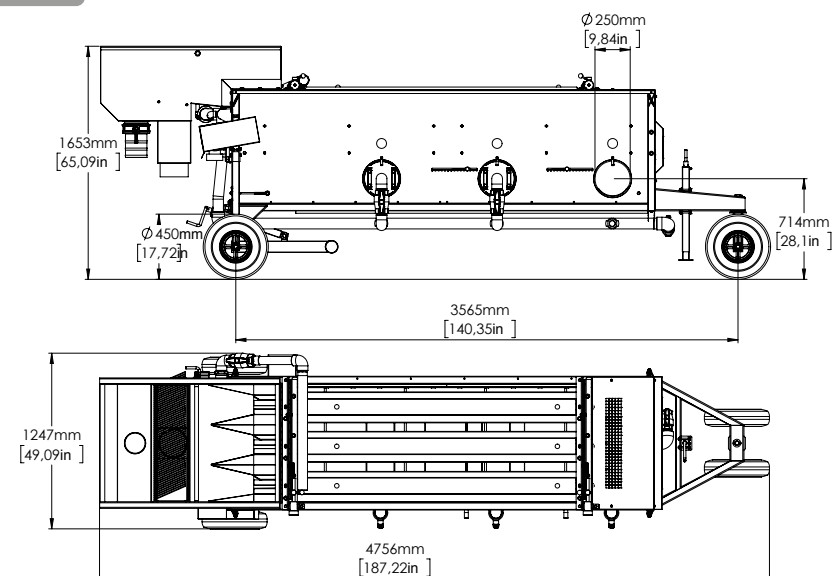
The grader motors are available in 4 supply voltages (add the desired voltage reference to the grader reference for your requests):

- Three phases 342 - 528 V 50/60 Hz Ref. : **400T**
- Three phases 180 - 264 V 50/60 Hz Ref. : **230T**
- Single phase 180 - 264 V 50/60 Hz Ref. : **230M**
- Single phase 110 V 50/60 Hz Ref. : **110M**

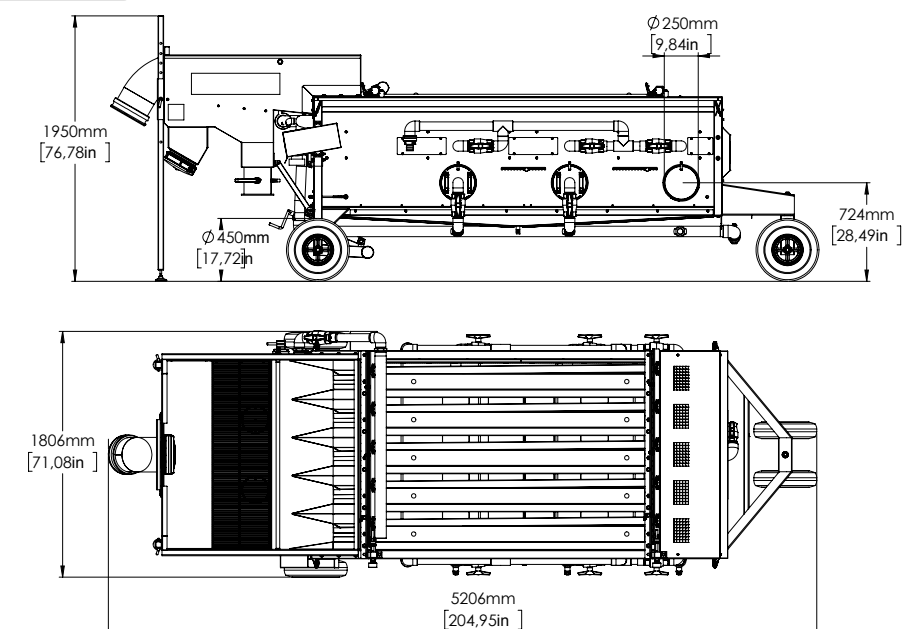
### Description

- ① IP 55 geared motor and drive belt
- ② Fish inlet hopper
- ③ Water supply to channels, adjustable with a valve
- ④ Grading plane
- ⑤ Water ramp into each channel for watering fish
- ⑥ Chanel adjustment vernier (x2)
- ⑦ Receiving hoppers
- ⑧ Fish outlets
- ⑨ AISI 316L Stainless steel frame
- ⑩ Front lifting jack
- ⑪ Fish conveying fingers
- ⑫ Drive chain
- ⑬ Towbar
- ⑭ Rear lifting device
- ⑮ Inflatable tire Ø 400 mm (16 in)

### Helios 50



### Helios 500





### OPTIONS

#### Control box «Packcontrol»

This option considerably reduces the cables left on the ground. Each equipment can be directly connected to this electrical cabinet, which is attached to the sorter. The box allows you to connect and control:

- 1 grader
- 2 water pumps
- 1 fish pump
- 4 counters.

The front panel switches allow each device to be turned on or turned off separately. Thermal circuit breakers ensure the protection of each piece of equipment. A differential switch protects the operators.

- Ref. :
- 3 x 342 - 525 V 50/60 Hz inlet voltage Ref. : **THC0024**
  - 3 x 164 - 264 V 50/60 Hz inlet voltage Ref. : **THC0022**
  - 1 x 230 V 50/60 Hz inlet voltage Ref. : **THC004\***
- \* water pump max. 2,2 kW with single phase

#### Universal dewatering hopper

This universal dewatering hopper allows you to connect a Pescavac pump or an elevator or a Pescamotion pump.

- For Helios 50 grader :
- Ø fish pump pipe 8" (hopper included in the grader price) Ref. : **TH503DEWU**

- For Helios 500 grader :
- Ø fish pump pipe 8"
- Ref. : **TH505DEWU**



#### Water pump for grader

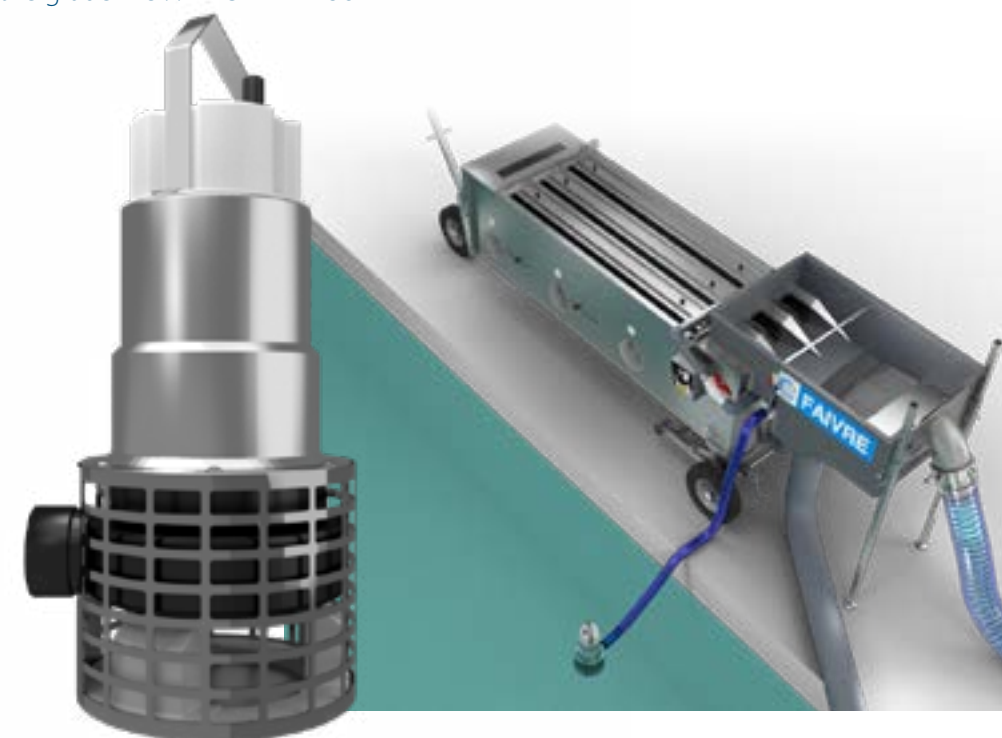
A suitable water pump must be connected to the grader in order to grade the fish without damage. We can offer you a Stainless steel submersible pump adapted to your machine. This pump has a Stainless steel strainer to suck the fish, it is delivered with 2.5m flexible hose and fittings, adapted to the grader.

- For Helios 50 grader
- Pump flow 40m³/h supply voltage 1 x 230 V 50 Hz Ref. : **TPOW40I6M5**
  - Pump flow 40m³/h supply voltage 3 x 400 V 50 Hz Ref. : **TPOW40I6T5**

- For Helios 500 grader
- Pump flow 50 m³/h supply voltage 3 x 400 V 50 Hz Ref. : **TPOW50I6T5**

- Accessories
- 5 m flexible hose Ø 60 mm (2,5 ") and storz fitting plus 90 ° Stainless steel elbow to connect the pump to the grader Ref. : **TPOHLINK60**

60 Hz pump on request



#### Adapters :

The inlet of the dewatering hopper of the graders is an 8" (200 mm) male cam lock. If you want to connect a 6" or 10" hose to this hopper, you need an adapter.

- To connect a 6" (150 mm) pipe to the dewatering hopper Helios 50 - 500
- 8" female to 6" male aluminum reduction Ref. : **PH061111**

- To connect a 10" (250 mm) pipe to the dewatering hopper Helios 50 - 500
- 10" female to 8" male aluminum reduction Ref. : **PI100101**







# HELIOVISION

## Fish grader



Grader / Counter

2,5"

10 Series

6"

30 Series

6-8"

40 Series

8"

50 Series

8-10"

60 Series



## A new grader concept.

Boost your efficiency with the Heliovision grader !

# HELIOVISION

Fish grader

### Heliovision 50

**50 g - 2,5 kg**  
**Three channels**  
**Three grades**  
**Three counters**

Designed for Trout and Salmon up to 2,5 kg; Tilapia, Bass and Sea Bream up to 2kg. Large grading capacity, while offering high precision.

3 Possible configurations :

- 3 Pescavision 50

Ref. : **TC50304**

- 2 Pescavision 30 and 1 Pescavision 50

Ref. : **TC50124**

- 1 Pescavision 30 and 2 Pescavision 50

Ref. : **TC50214**

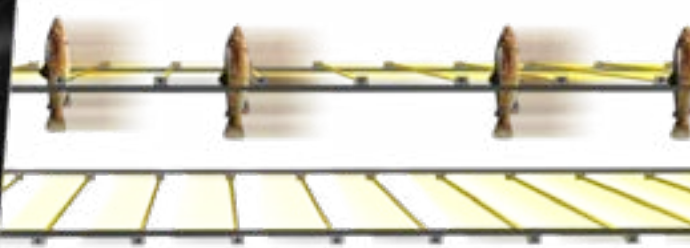
Heliovision		00 : 00 : 30
C1	0000235	C2 0000243
C3	0000238	Total 0000716
Quit		View history View settings

Easy to use !

Large touch screen and a counter display.

All informations in only one display :

- Number of fish for each counter
- Total number of fish
- History of the 5 last counting sessions
- Counting time

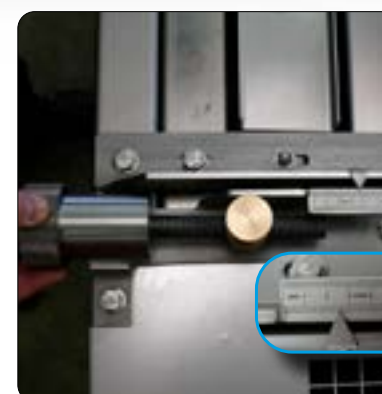


Emergency stop

Grading speed variator

Main switch

Fish grader IP 67 electric panel.



Accurate adjustment vernier.



Grader / Counter

2,5"

10 Series

6"

30 Series

6-8"

40 Series

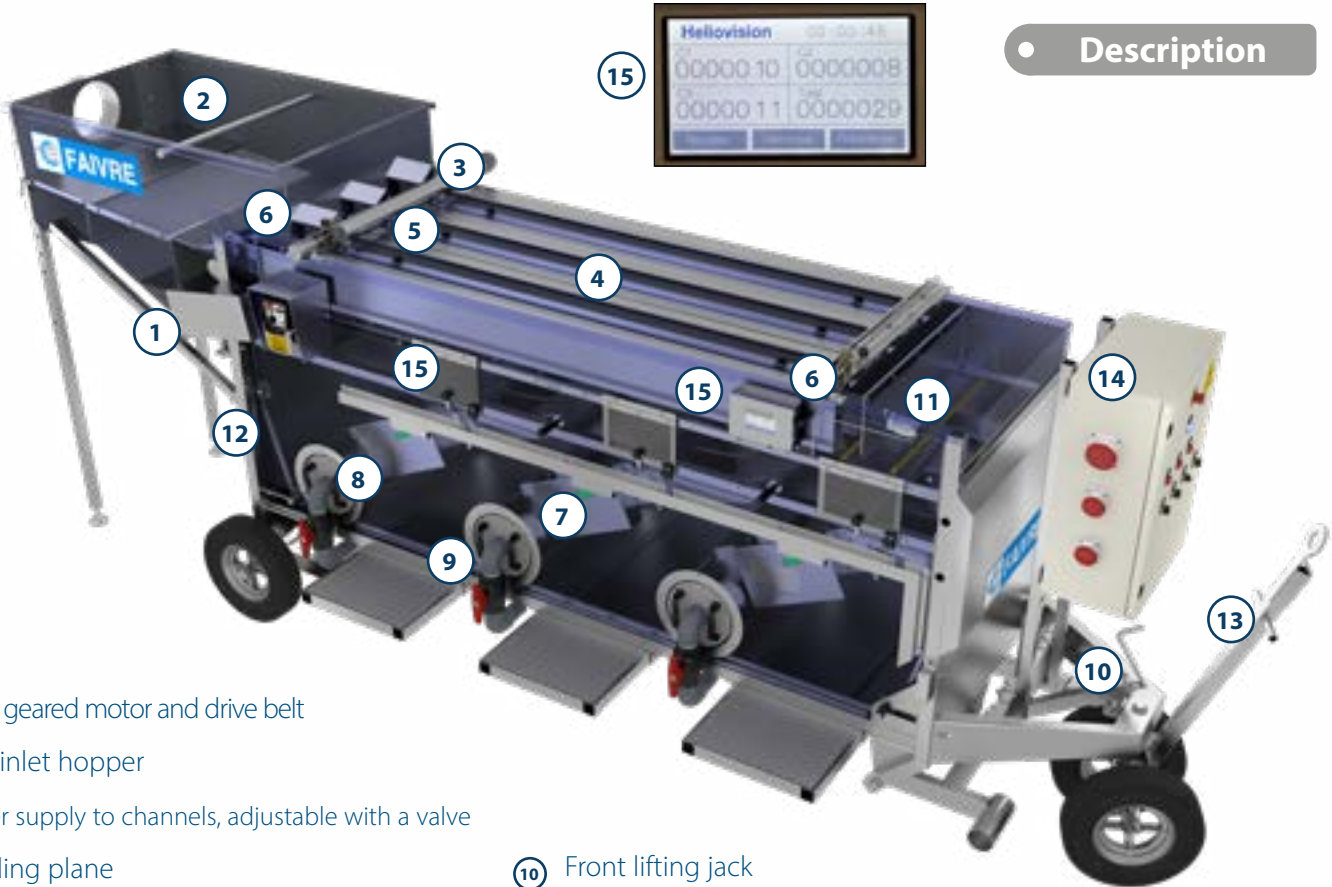
8"

50 Series

8-10"

60 Series





- 1

IP 55 geared motor and drive belt
- 2

Fish inlet hopper
- 3

Water supply to channels, adjustable with a valve
- 4

Grading plane
- 5

Water ramp into each channel for watering fish
- 6

Channel adjustment vernier (x2)
- 7

Receiving hoppers
- 8

Fish counters
- 9

Fish outlets
- 10

Front lifting jack
- 11

Fish conveying fingers
- 12

Conveying finger drive chain
- 13

Towbar
- 14

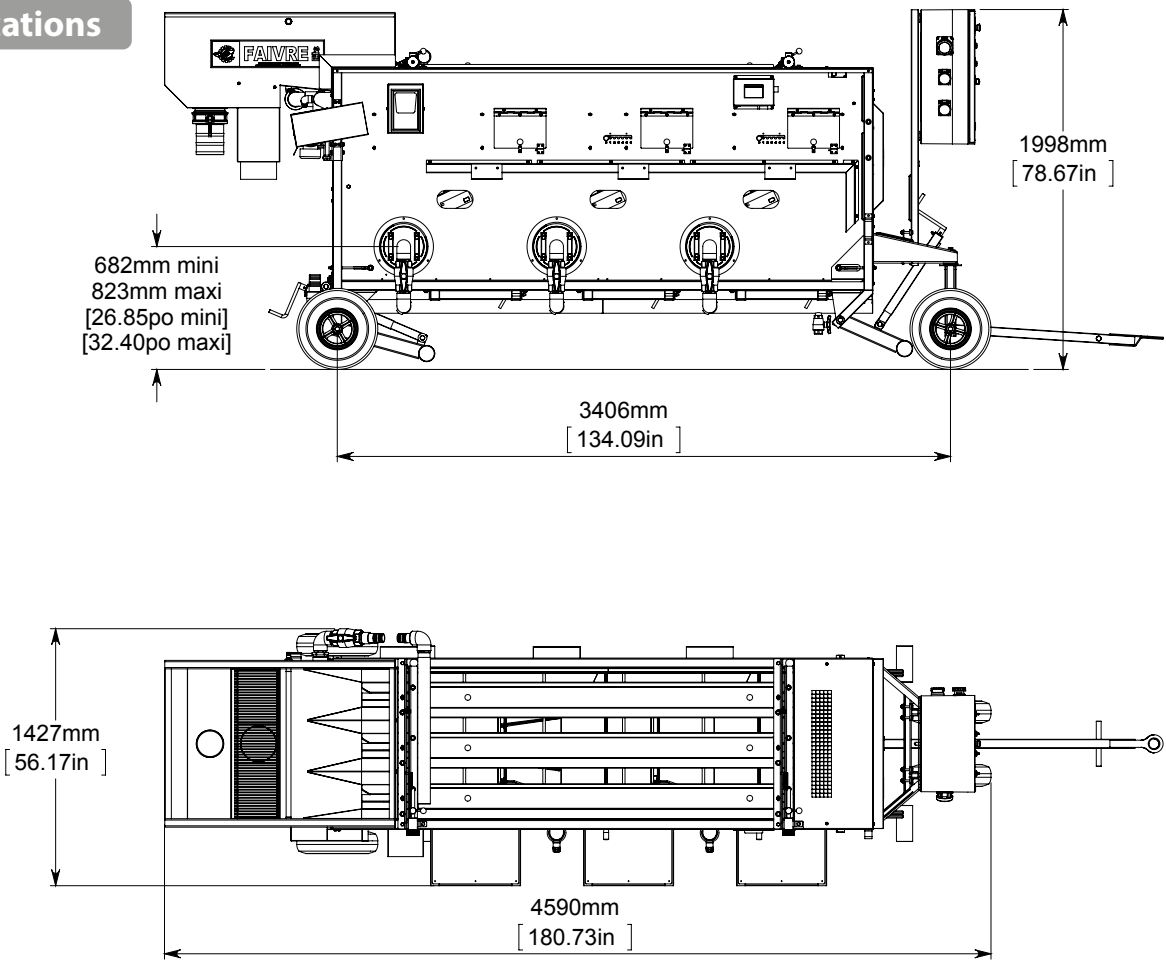
Control box
- 15

Fish counters touch screen display



Description

Specifications



Grader model	HELIOVISION 50		
Counters configuration	3 Pescavision 50	2 Pescavision 50 1 Pescavision 30	1 Pescavision 50 2 Pescavision 30
Number of channels	3	3	3
Number of grades	3	3	3
Number of counters (Pescavision 30 or 50)	3	3	3
Channel length (mm)	2400	2400	2400
Max. channel opening (mm)	75	75	75
Number of exits and Ø (mm)	6 x Ø 250	6 x Ø 250	6 x Ø 250
Min. max. weight, Trout/Salmon	500 g - 2,5 kg	40 g - 2,5 kg	40 g - 2,5 kg
Hourly rate (tonnes/hour)	3 - 6	3 - 6	3 - 6
Weight (kg)	600	600	600
Weight (lbs)	1322	1322	1322
Motor power	0.55 kW	0.55 kW	0.55 kW
Recommended pump output (m³/h)	50	50	50
References (Sea water 316L)	TC50306	TC50216	TC50126





# PESCAVISION

## Led fish counter



### Pescavision 50

## Fish counters for counting Fish weight 300 g to 3,5kg

They offer an unparalleled ease of use.. They can be installed very quickly.  
The Pescavision 50 model cover counting needs extending from 300 g to 3,5 kg.

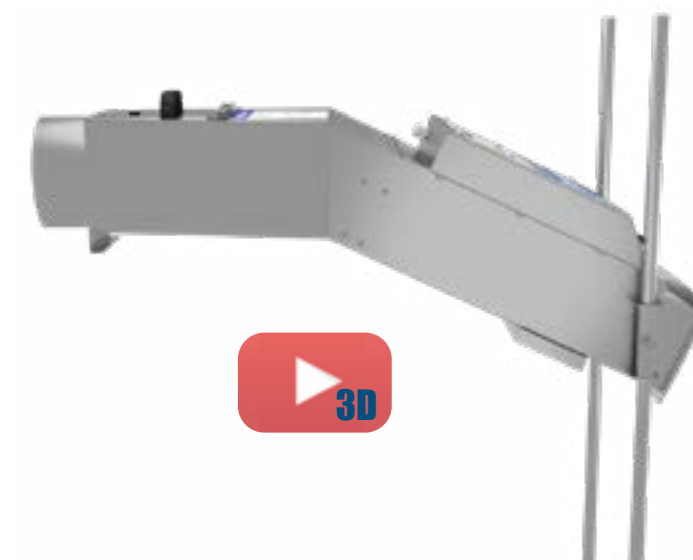
It is designed to be placed at the outlet of the grading machine, thereby centralizing the equipment and reducing the installation time.  
With this system, no more counters at the end of the pipes.

Our Pescavision count many fish species such as:

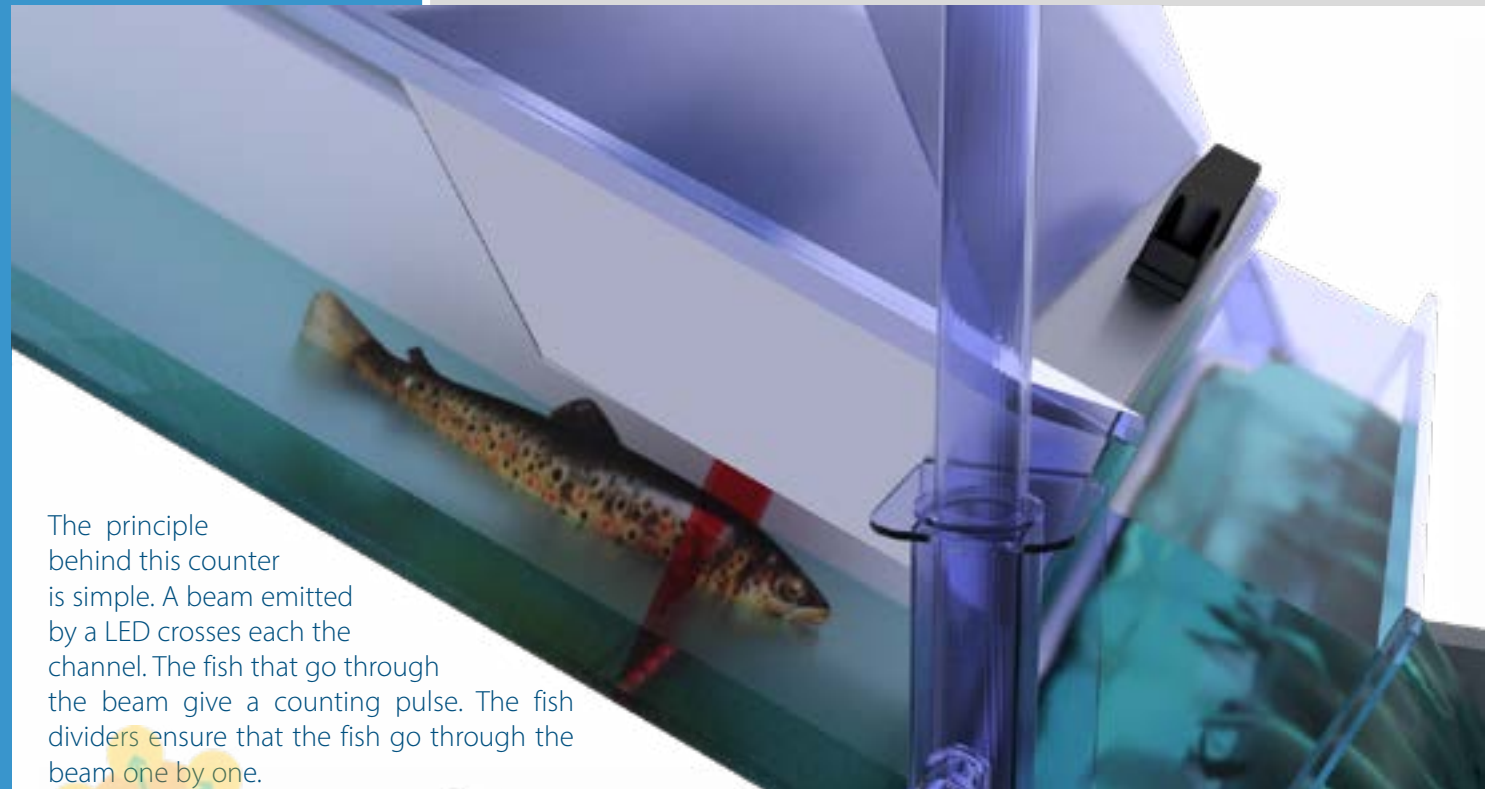
- Trout
- Salmon
- Tilapia
- Carps
- Perch
- Sea Bass
- Sea Bream
- Etc...



The Pescavision 50 as 2 counting channels







The principle behind this counter is simple. A beam emitted by a LED crosses each the channel. The fish that go through the beam give a counting pulse. The fish dividers ensure that the fish go through the beam one by one.



Helios grader coupled with 3 Pescavision 50 fish counters and a reception tank

Reception tank for Pescavision :  
- Ø 200 mm Ref. : **CBRC200**  
- Ø 250mm Ref. : **CBRC250**

**CBRC200**

**CBRC250**



A NEW optional control box to centralize counting information up to 4 fish counters  
Ref. : **PESCA4CO** (see page 156)

Easy to install on the farm with our new counting station with four (4) Pescavision fish counters and a reception tank.  
Ref. : **PESCATROL**



Easy to use !  
Large touch screen and a counter display.  
All informations in only one display :  
- Number of fish for each counter  
- Total number of fish  
- History of the 5 last counting sessions.  
- Counting time



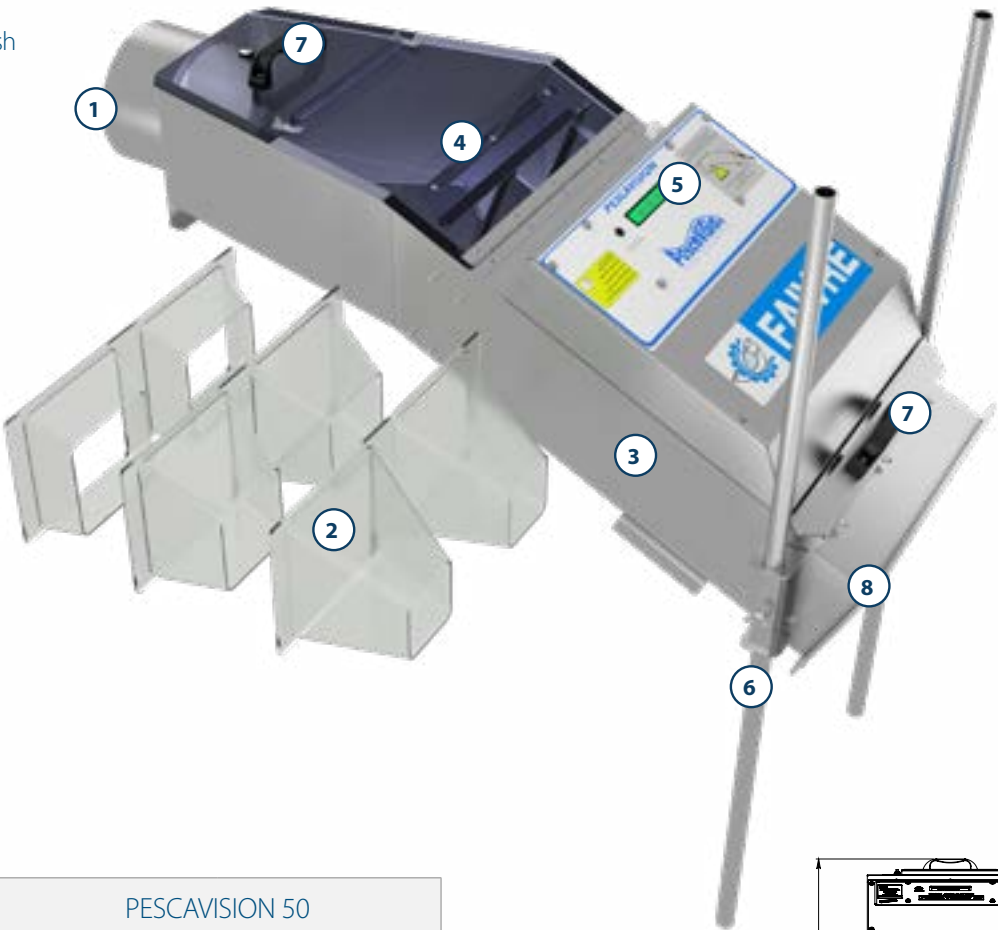
\*Download the counting report on your PC with the USB key.

(\*Control Box only)



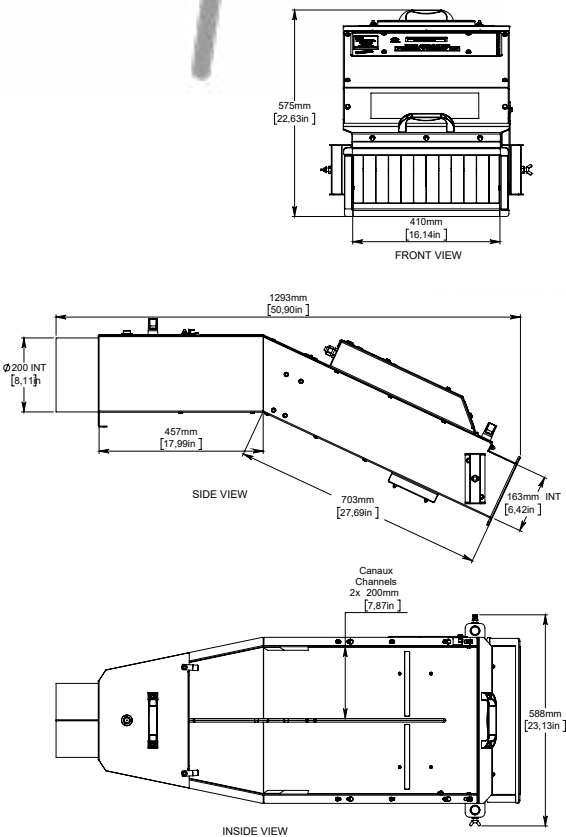
Description

- 1 Fish counter inlet female Ø 200 mm
- 2 Fish dividers (Our fish counter is delivered with 3 fish dividers)
- 3 Fish counter body in marine grade aluminum
- 4 Channel access with cover
- 5 LCD display : number of fish
- 6 Counter feet
- 7 Carry handles
- 8 Fish counter outlet



Specifications

Fish counter model	PESCAVISION 50	
Fish species	Trout Salmon	Bass/Bream/ Tilapia
Fish weight	300 g to 3,5 kg	300 g to 1,5 kg
Capacity (maxi)	4 t/h	
Number of channels	2	
Channel width	200 mm	
Connection diameter	200 mm	
Accuracy	98 % - 100 %	
Weight	24 kg - 53 lbs	
Voltage 50/60 Hz	Delivered with 110-240 V/24 V power supply	
Reference (Fresh and sea water)	PESCA50	

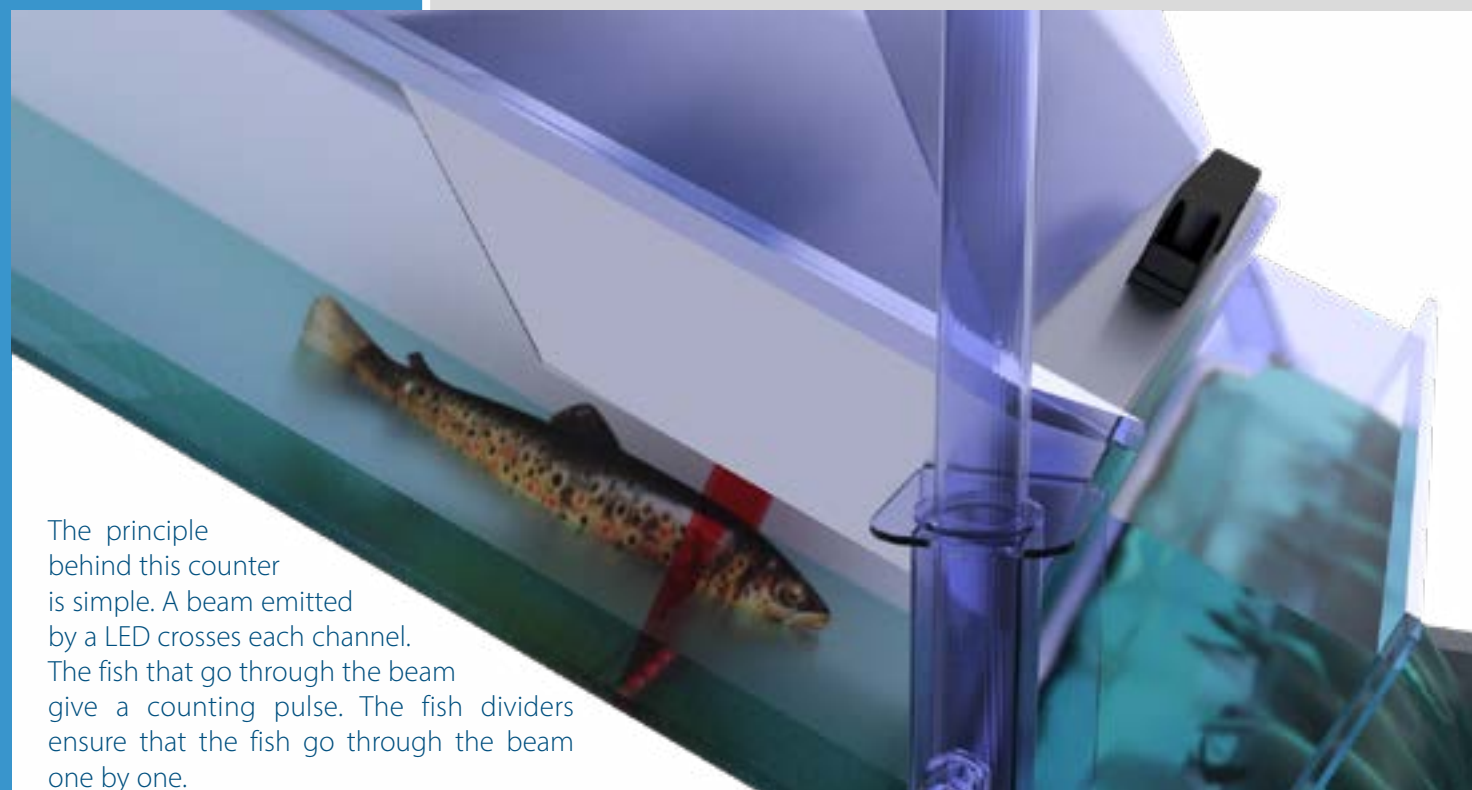


PESCAVISION

Led fish counter







The principle behind this counter is simple. A beam emitted by a LED crosses each channel. The fish that go through the beam give a counting pulse. The fish dividers ensure that the fish go through the beam one by one.

**400 g - 3,5 kg** ● **Pescavision 500**  
**4 channels**

For trout and salmon from 400 g up to 3,5 kg.

Designed to be placed at the outlet of a fish pump for loading trucks or fish transfer.

At the end of the counting operation, you can connect a USB key to save the counting report.



Counting report



Installation with Pescavac 50  
Pescavision 500



Download the counting report on your PC with the USB key.



The double outlet will allow you to distribute evenly the fish in 2 different cages or raceways during the counting.



Pescavision		09 : 32 : 05
C1	00113250	774  774
C2	00112520	Total 00225770
Q.T		View history View settings

A large touch screen allows to check the counter and to display information.





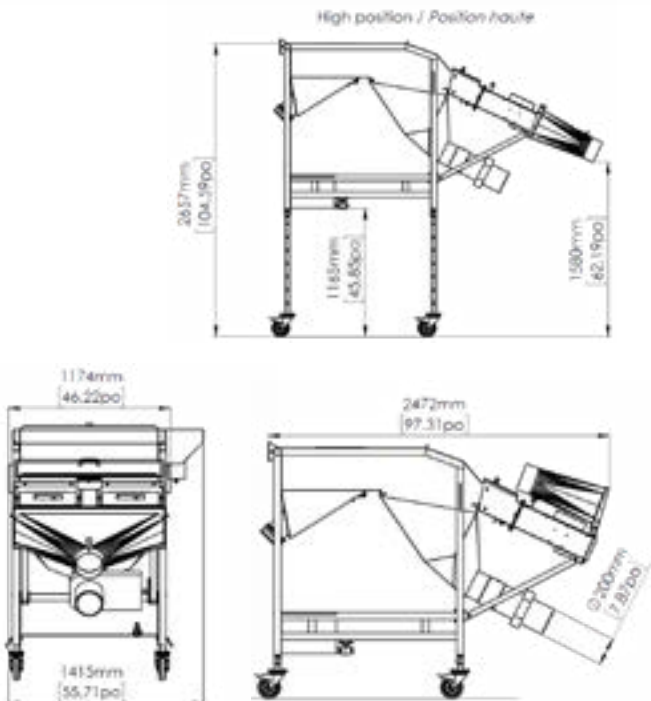
Description

- 1 Fish counter inlet female Ø 200 mm - 8 in male camlock
- 2 Fish counter body in marine grade aluminum
- 3 Frame with telescopic legs
- 4 7 in Touch screen control unit
- 5 Counting units
- 6 Ø 250 mm fish outlet
- 7 Fish separator cover
- 8 Dewatering outlet valve



Specifications

Fish counter model	Pescavision 500	
Species	Trout Salmon Bass	Bream/Tilapia
Hourly flow (maxi) at 300g	10 - 12 tons/h	
Channel nbr	4	
Counting channel width	200 mm	
Inlet connection	8" male camlock (200 mm)	
Outlet connection	250 mm	
Fish weight	300 g to 3,5 kg	300 g to 1,5 kg
Dewatering connection	250 mm	
Accuracy	98% - 100%	
Weight	Approx. 250 kg - 550 lbs	
Voltage	1x110-240 V 50/60 Hz	
References	PEVIS500	



PESCAVISION  
Led fish counter

PESCAMOTION  
Propeller fish pump

HELIOS  
Live fish grader





Standard pack

Up to 3 to 4 tons/hour

- 3 sizes :
- 1 Pescavac 50 fish pump (up to 3,5 kg)
  - 1 Helios 50 grader (10 g - 2,5 kg) / 3 channels
  - 1 Water pump 50 m³/h
  - 1 Control box
  - 3 Pescavision 50 fish counters (400 g- 4,5 kg)
  - 3 Reception tanks

Fresh and Sea water pack

Ref. : **HPST5**

50g to 2,5kg

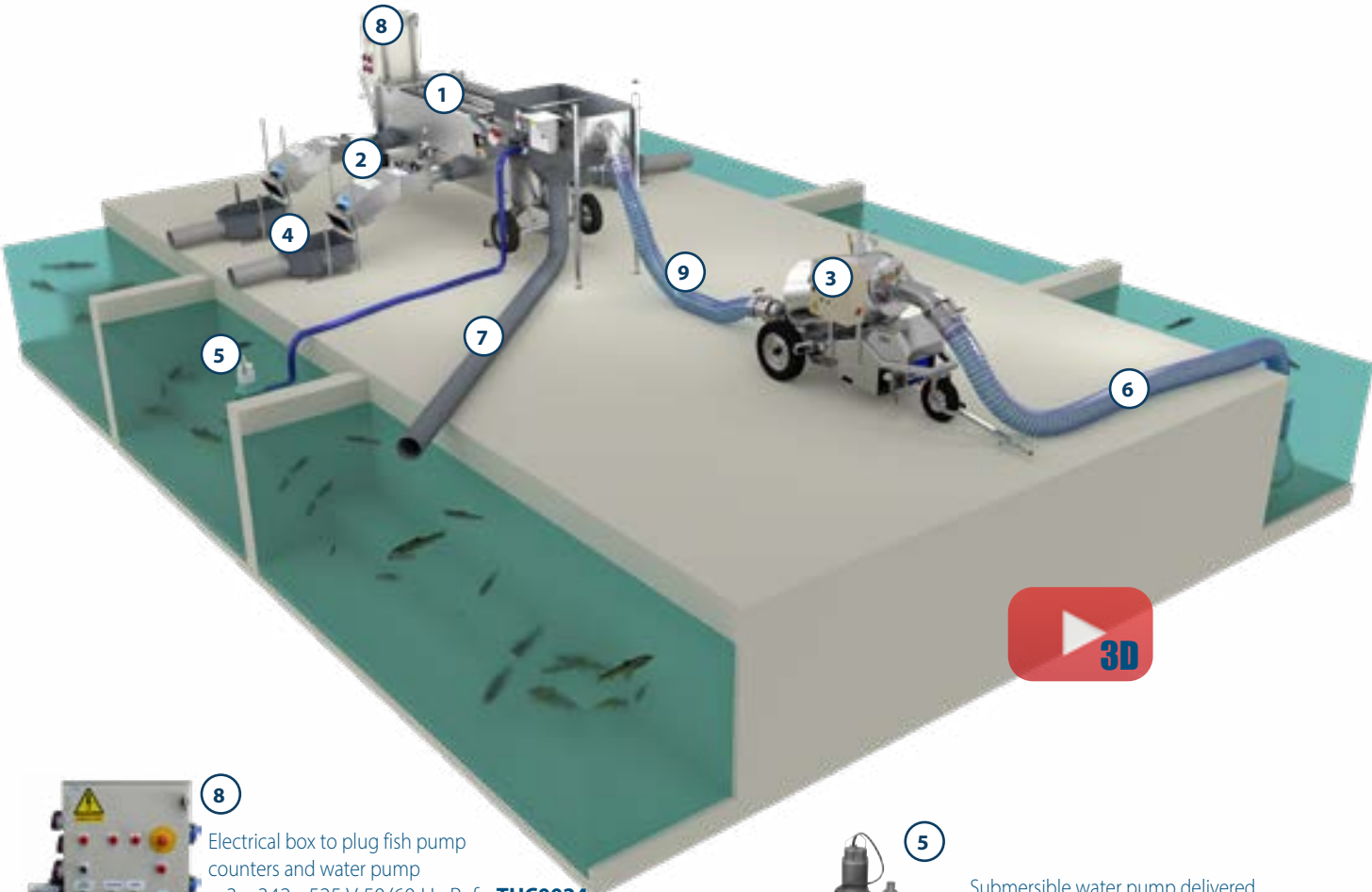


Trout / Salmon

50g to 1 kg



Tilapia



8

Electrical box to plug fish pump counters and water pump

- 3 x 342 - 525 V 50/60 Hz Ref. : **THC0024**
- 3 x 164 - 264 V 50/60 Hz Ref. : **THC0022**



5

Submersible water pump delivered with 5m of flexible pipe and storz fittings to plug at the grader

Ref. (Sea water 316L) : **TPOW50I6T5**

- 1 Helios fish grader 50
- 2 Pescavision 50 fish counters
- 3 Fish pump Pescavac 50 (Ø 200mm - 8 in)
- 4 4 Reception tanks outlet Ø 250 mm
- 5 Submersible water pump 50 m3/h
- 6 5 m suction flexible pipes Ø 200mm (8 in)
- 7 5 m dewatering pipes Ø 200 mm (8 in)
- 8 Grader Control box
- 9 5 m discharge flexible pipes Ø 200 mm (8 in)

Pescavac 50



Specifications

Fish pump model	PESCAVAC 50
Inlet Ø	(200 mm) 8" female cam - lock
Outlet Ø	(200 mm) 8" male cam - lock
Maximum discharge head	5 m (196 in)
Maximum suction head	4 m (157 in)
Fish size	Up to 3,5kg Trout/Salmon
Fish size	Up to 1kg Tilapias
Stainless steel quality	AISI 316L
Reference (Fresh and sea water)	<b>PV0801</b>

Pescavision 50



Specifications

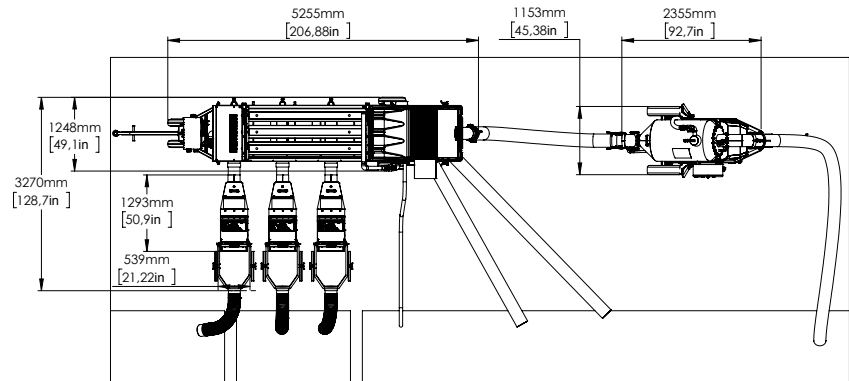
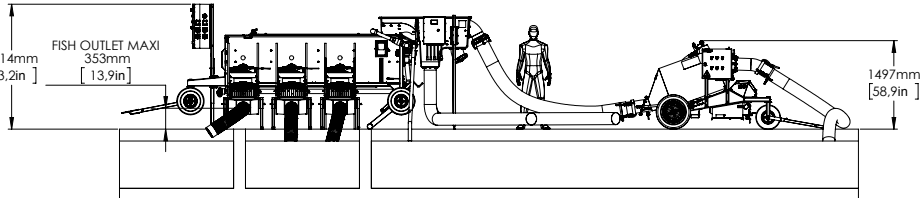
Fish counter model	PESCAVISION 50	
Fish species	Trout Salmon	Bass/Bream/Tilapia
Fish weight	300g to 3,5 kg	400 g to 1,5kg
Capacity (maxi)	4 t/h	4 t/h
Number of channels	2	2
Channel width	200 mm	200 mm
Connection diameter	200 mm	200 mm
Accuracy	98% - 100%	98% - 100%
Voltage	100 - 240V / 24 V	
Reference (Fresh and sea water)	<b>PESCA50</b>	

Helios 50



Specifications

Grader model	HELIOS 50
Nbr of channels	3
Nbr of size	3
Length of grading channels (mm)	2500
Max. channels opening (mm)	80
Nbr of outlets Ø (mm)	6 x Ø 250
Weight min. - max. Trout/ Salmon	50 g - 2,5 kg
Weight min. - max. Tilapia	50 g - 1 kg
Hourly rate (tons/hour)	3 - 6
Grader weight (kg)	500
Height (m)	1,5
Advice pump flow (m³/h)	50
Reference (Sea water 316L)	<b>TH5036</b>



Power ratings and weights summary

Machines	Power	Weight
Helios fish grader 50	0,55 kW	500 kg - 1102 lbs
Fish pump Pescavac 50	5,3 kW	440 kg - 970 lbs
Fish counter (one unit)	0,05 kW	24 kg - 53 lbs
Water pump 50 m³/h	2,2 kW	30 kg - 66 lbs

All packs are given as an example and can be modified according to the customer needs



# High capacity pack

- Up to 5 to 7 tons/hour
- 3 sizes :
- 1 Pescamotion 50 fish pump (up to 2,5 kg)
  - 1 Helios 500 grader (50 g - 2,5 kg) / 5 channels
  - 1 Water pump 50 m³/h
  - 1 Control box
  - 3 Pescavision 50 fish counters (400 g- 3,5 kg)
  - 3 Reception tanks

Fresh and Sea water pack  
Ref. : **HPHC5**

40g to 2,5kg



Trout / Salmon

30g to 1kg



Tilapia

30g to 1kg



Sea Bream

40g to 1kg



Sea Bass



## Pescamotion 50

### Specifications

Fish pump model	PESCAMOTION 50
Inlet Ø	(250 mm) 10"female cam - lock
Outlet Ø	(250 mm) 10" male cam - lock
Maximum discharge head	6 m (236 in)
Maximum suction head	4 m (157 in)
Fish size	Up to 3kg Trout/Salmon
Fish size	Up to 1,5 kg Bass/Bream/Tilapia
Stainless steel quality	AISI 316L
Reference (Fresh and sea water)	<b>PH1003</b>

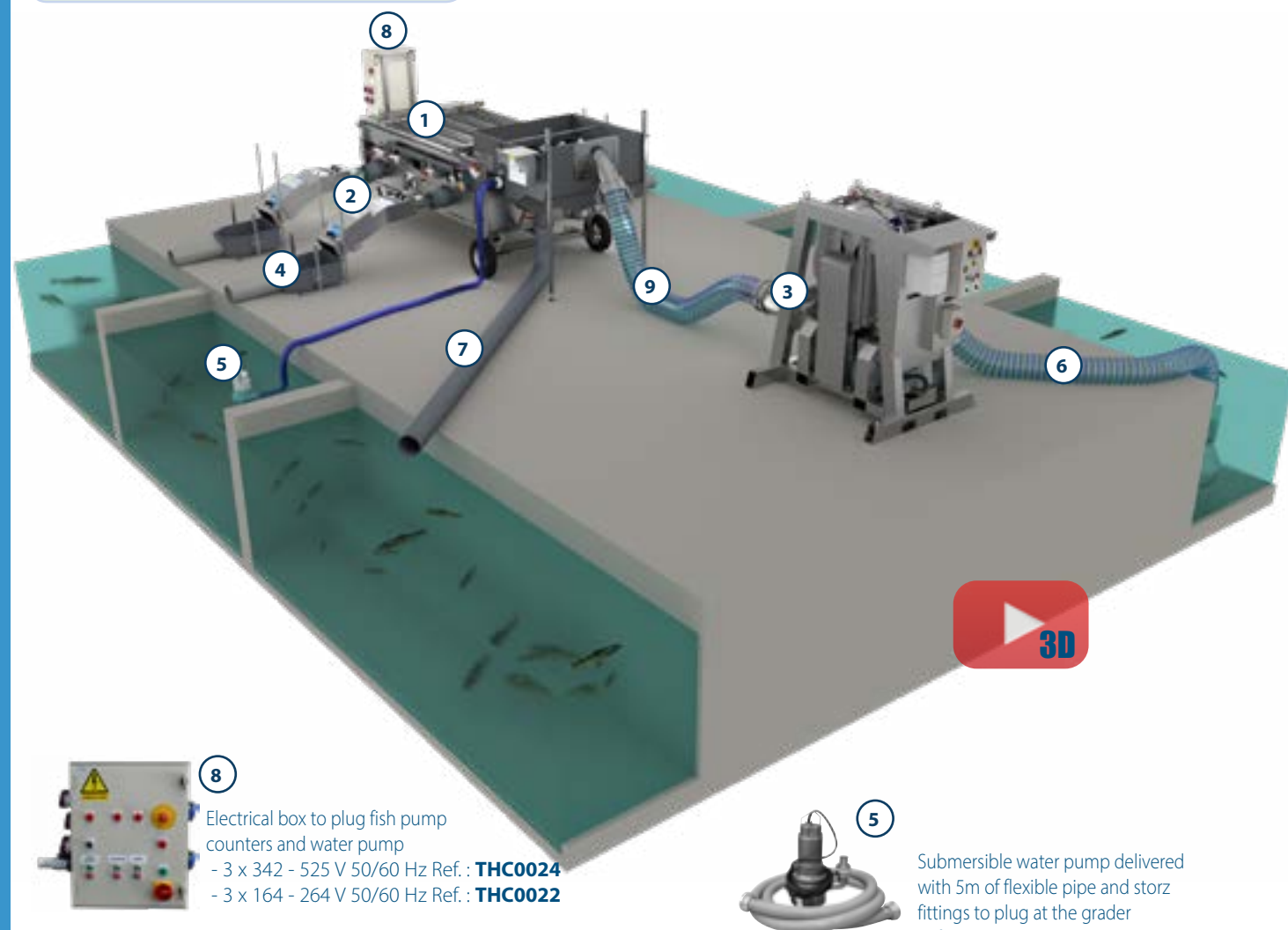


## Pescavision 50

### Specifications



Fish counter model	PESCAVISION 50	
Fish species	Trout Salmon	Bass/Bream/Tilapia
Fish weight	400 g to 3,5 kg	400 g to 1,5 kg
Capacity (maxi)	4 t/h	4 t/h
Number of channels	2	2
Channel width	200 mm	200 mm
Connection diameter	200 mm	200 mm
Accuracy	98% - 100%	98% - 100%
Voltage	100 - 240V / 24 V	
Reference (Fresh and sea water)	<b>PESCA50</b>	



Electrical box to plug fish pump counters and water pump  
- 3 x 342 - 525 V 50/60 Hz Ref. : **THC0024**  
- 3 x 164 - 264 V 50/60 Hz Ref. : **THC0022**



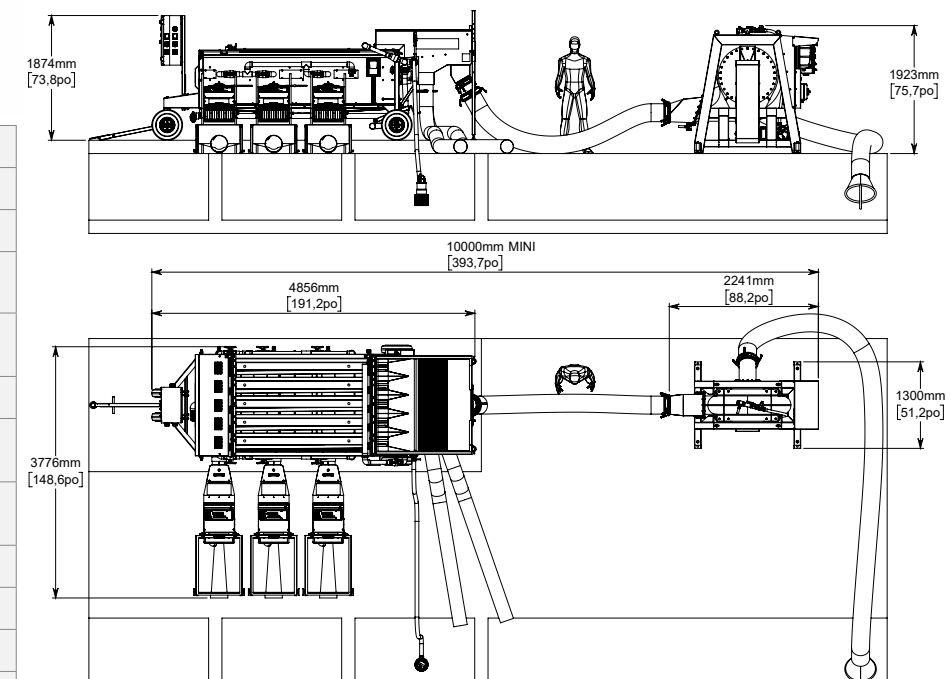
Submersible water pump delivered with 5m of flexible pipe and storz fittings to plug at the grader  
Ref. (Sea water 316L) : **TPOW50I6T5**

- Helios 500 fish grader
- Pescavision 50 fish counters
- Fish pump Pescamotion 50 (Ø 200mm - 8 in)
- 4 Reception tanks outlet Ø 250 mm
- Submersible water pump 50 m³/h
- 5 m suction flexible pipes Ø 200mm (8 in)
- 5 m dewatering pipes Ø 200 mm (8 in)
- Grader Control box
- 5 m discharge flexible pipes Ø 200 mm (8 in)

## Helios 500

### Specifications

Grader model	HELIOS 500
Nbr of channels	5
Nbr of size	3
Length of grading channels (mm)	2500
Max. channels opening (mm)	80
Nbr of outlets Ø (mm)	6 x Ø 250
Weight min. - max. Trout/ Salmon	50 g - 2,5 kg
Weight min. - max. Tilapia	50 g - 1 kg
Hourly rate (tons/hour)	5-9
Grader weight (kg)	1045
Height (m)	1,5
Advice pump flow (m³/h)	50
Reference (Sea water 316L)	<b>TH5056</b>



### Power ratings and weights summary

Machines	Power	Weight
Helios fish grader 500	0,55 kW	500 kg - 1102 lbs
Fish pump Pescamotion 50	18,5 kW	440 kg - 970 lbs
Fish counter (one unit)	0,05 kW	24 kg - 53 lbs
Water pump 50 m³/h	2,2 kW	30 kg - 66 lbs

All packs are given as an example and can be modified according to the customer needs



# 60

Series  
Harvesting  
Equipment

• Salmon / Trout



..... 400 g to 4500 g

• Tilapia



..... 400 g to 1500 g



• Pescavac 60

Page 143



• Helios 60 / 600

Page 149



• Pack Standard 60

Page 158



• Pack High Capacity 60

Page 160

# PESCAVAC

## Vaccum fish pump

10"



[www.faivregroup.com](http://www.faivregroup.com)

Pictures and technical data are not contractual. FAIVRE Sasu can make required modifications to its equipment, at any time.



### Vacuum Fish Pump PESCAVAC

#### Pescavac 60

Key benefits :

- ✓ High capacity 10 - 12 tons/hour
- ✓ Handle fish up to 4,5kg (Salmonidae)
- ✓ Discharge height 5m
- ✓ Suction height 4m

FAIVRE company has developed a new model of Vacuum Fish Pump called "Pescavac 60 (10") to transfer live fish up to 4,5kg (Salmonidae).  
High quality construction in Stainless steel.  
Easy to handle with its compact frame with large wheels.



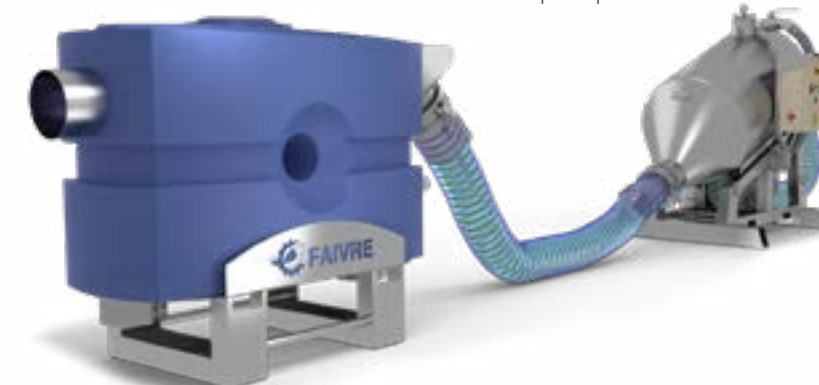
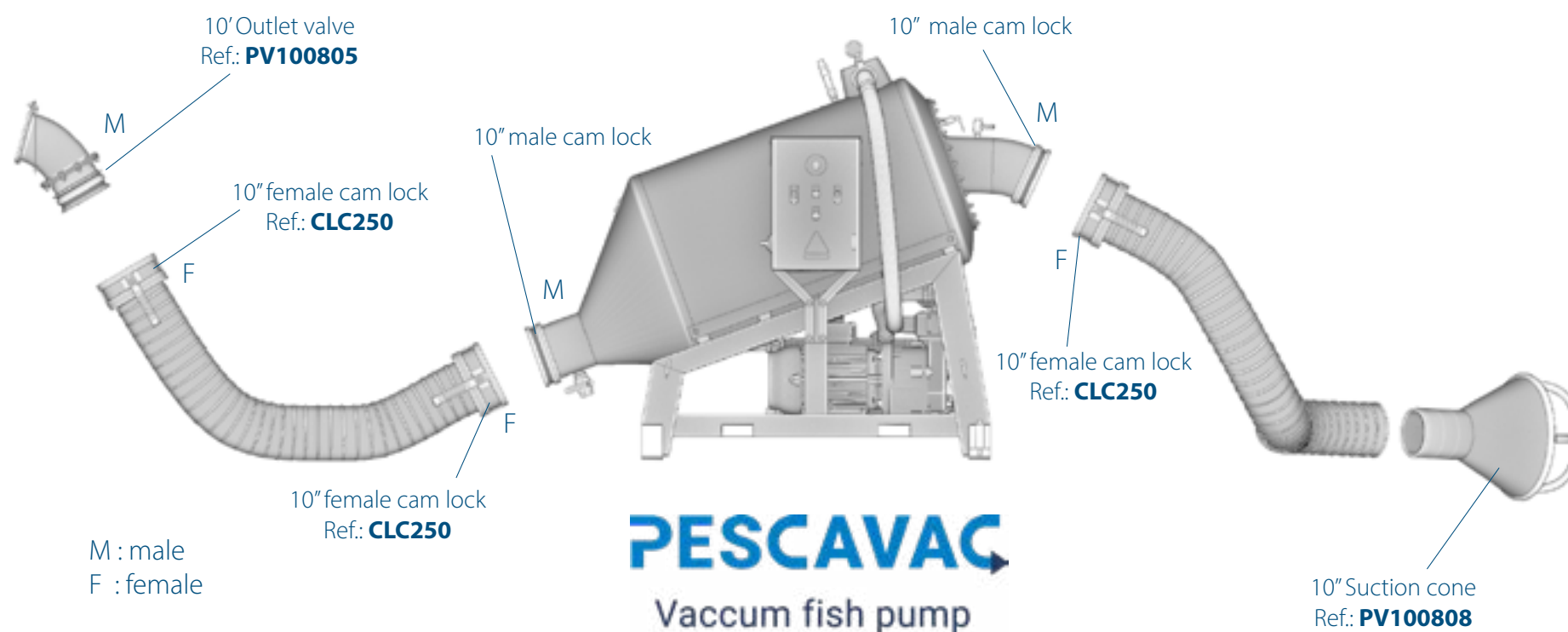
Exclusive



Electrically operated 4 - way valve allowing precise control of the closing speed of the valve. Your fish are safely transported.



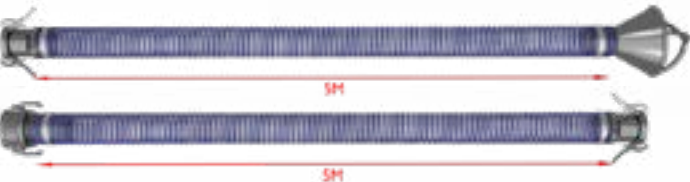
Simple front panel electrical box for an easy control of the vacuum pump.



Optional :  
Hopper with water separator for loading tanks  
Ref. : **TD1001V**



- 1 Electrical control box
- 2 Ø 250 mm (10 ») male camlock intake pipe
- 3 AISI 316L stainless steel vacuum pump
- 4 AISI 316L stainless steell frame
- 5 Stainless steel pump tank
- 6 Ø 250 mm (10 ») male camlock discharge pipe
- 7 Fork lift handle system
- 8 AISI 316L stainless steel Suction cone
- 9 Ø 250 mm (10") Female camlock
- 10 Ø 250 mm (10") Outlet valve



**Starter kit** : 2 kits of 5 meters of 10" flexible pipes camelock MF and 10" Suction cone Male  
Ref.: **PP1001P**



Description

OPTIONS

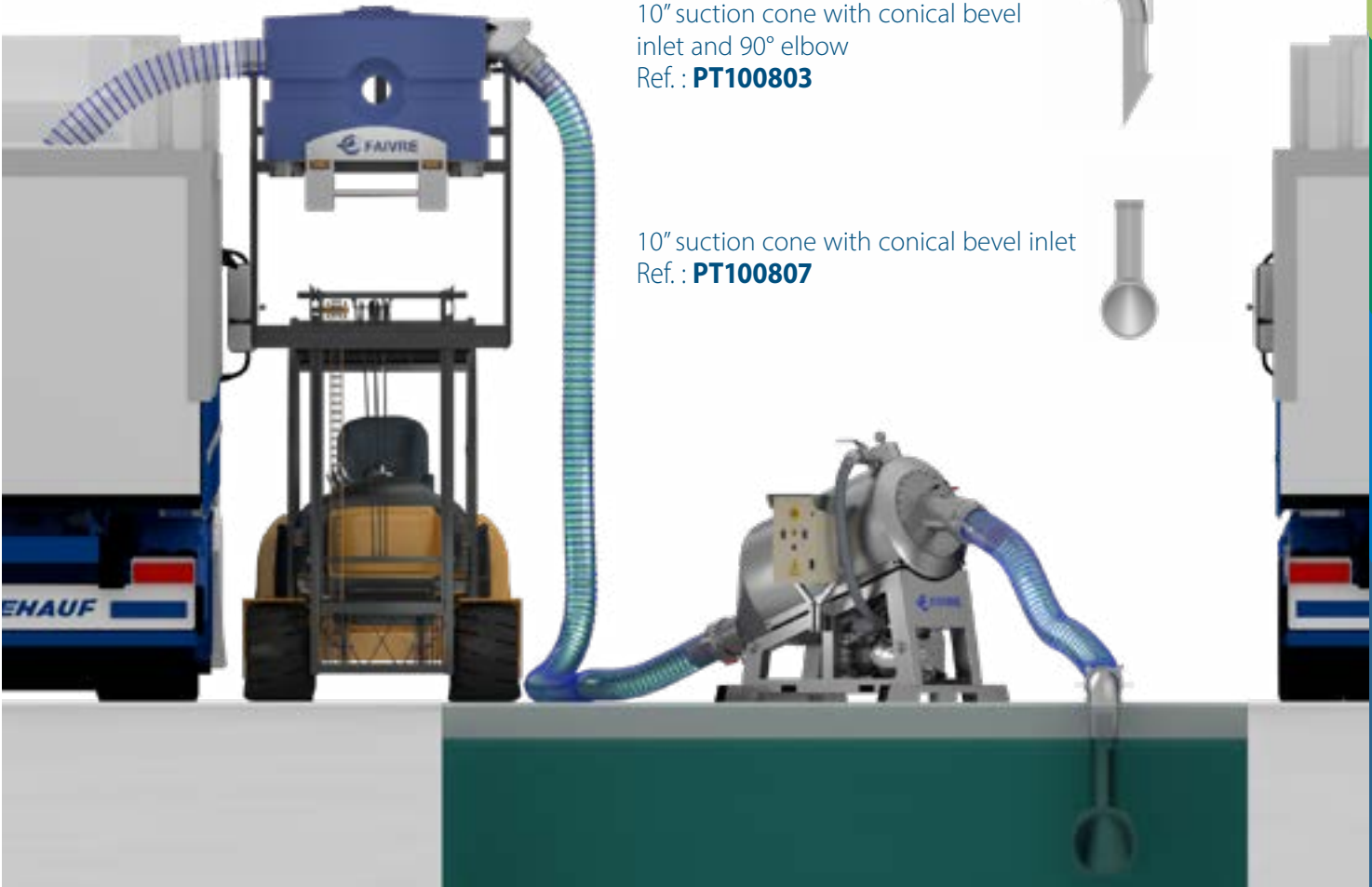
Dewat 60 (10")

The water separator hopper is an important part of the proper functioning of a fish pump.  
To be effective, the water separating hopper must have a particularly studied design.  
For this, we used a digital simulation.  
Ref. : **TD1001V**



10" suction cone with conical bevel inlet and 90° elbow  
Ref. : **PT100803**

10" suction cone with conical bevel inlet  
Ref. : **PT100807**





### OPTIONS

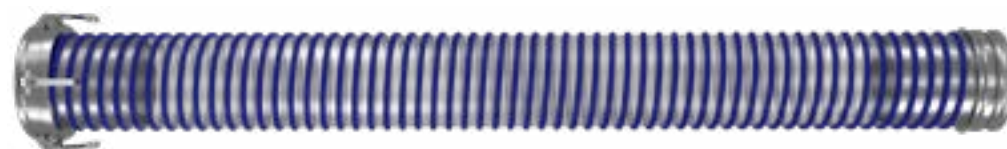
#### Seawater pump

For sea water a stainless steel housing liquid ring pump is available



#### Semi - transparent, flexible hoses

Ø 10" (Ø 250 mm) pipes with male and female cam lock fitted at each end of the pipe  
Ref.: **PP1005** long. 5 m



#### Parts for fish pump 10"

- 10" Cam lock male (Aluminum) Ref.: **CLEA250**
- 10" Cam lock female (Aluminum) Ref.: **CLCA250**
- 10" Suction cone standard Ref.: **PV100803**
- 10" Outlet valve (for grader universal dewatering hopper) Ref.: **PV100801**



# HELIOS

## Live fish grader

Helios 600



Helios 60



Fish Pump

2,5"

10 Series

6"

30 Series

6-8"

40 Series

8"

50 Series

8-10"

60 Series



### Helios 60 (2 ch.)

### Helios 600 (3 ch.)

#### HELIOS 60 - 600 grader

250 g - 3,5 kg  
2 or 3 channels  
3 sizes

#### General characteristics :

- 2 grading channels Helios 60.
- 3 grading channels Helios 600.
- 3 receipt hoppers with outlet on each side of the machine.
- Electronic adjustable grading speed
- Lifting jack.
- Made of aluminium AISI 316L Stainless steel.

#### Main advantages :

- ✓ A grader fitted with the performing Sps Technology made for a high speed grading and without injury.
- ✓ A machine entirely made of aluminium and Stainless steel.
- ✓ An easy and perfect adjustment thanks to its lifting jack.
- ✓ An elaborate watering system fitted with adjustment gates.

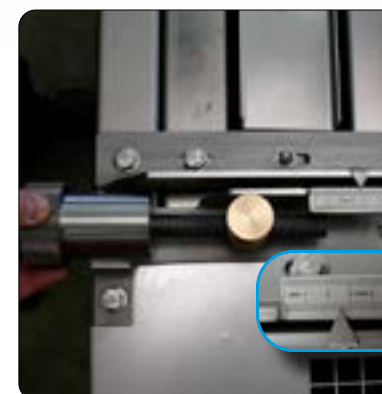


Emergency stop

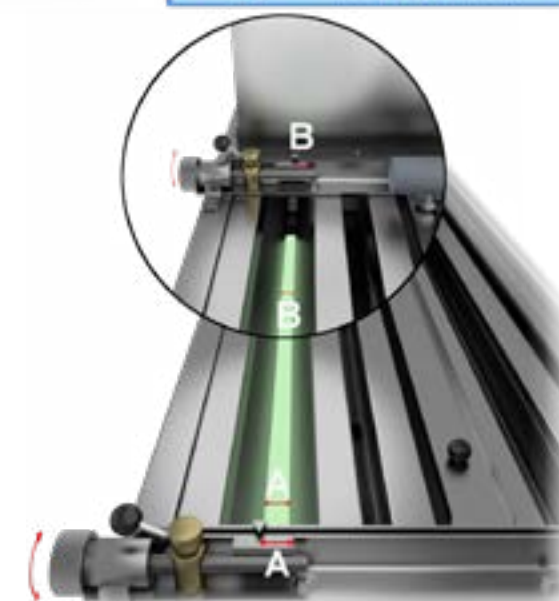
Grading speed variator

Main switch

Fish grader IP 67 electric panel.



Accurate adjustment vernier.



Fish Grader

2,5"

10 Series

6"

30 Series

6-8"

40 Series

8"

50 Series

8-10"

60 Series





### Description

- ① IP 55 geared motor and drive belt
- ② Fish inlet hopper
- ③ Water supply to channels, adjustable with a valve
- ④ Grading plane
- ⑤ Water ramp into each channel for watering fish
- ⑥ Chanel adjustment vernier (x2)
- ⑦ Receiving hoppers
- ⑧ Fish outlets
- ⑨ AISI 316L Stainless steel frame
- ⑩ Stainless steel conveying finger drive chain
- ⑪ Fish conveying fingers
- ⑫ Towbar
- ⑬ Rear lifting device
- ⑭ Inflatable tire Ø 400 mm (16 in)

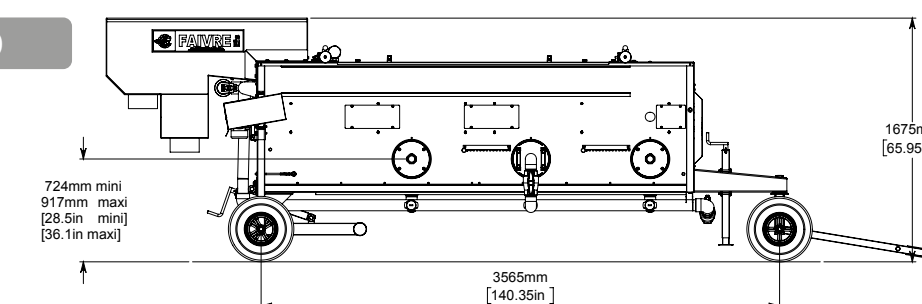
### Specifications

Grader model	HELIOS 60	HELIOS 600
Nbr of channels	2	3
Nbr of sizes	3	3
Length of grading channels(mm)	2400	2400
Max. channels opening (mm)	120	120
Nbr of outlets Ø (mm)	6 x Ø 250	6 x Ø 315
Weight min. - max. (Trout/Salmon)	250 g - 3,5 kg	250 g - 3,5 kg
Weight min. - max. (Bass/Bream/Tilapia/Carp)	250 g - 1,5 kg	250 g - 1,5 kg
Hourly rate (tons/hour)	4 - 6	5 - 8
Grader weight (kg)	530	660
Height (m)	1,5	1,5
Motor power	0,55 kW	0,55 kW
Advice pump flow (m³/h)	50	60
Reference (Sea water 316L)	<b>TH6026</b>	<b>TH6036</b>

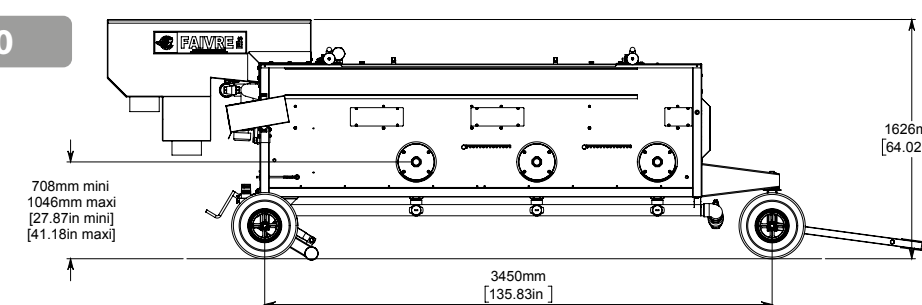
The grader motors are available in 4 supply voltages (add the desired voltage reference to the grader reference for your requests):

- Three phases 342 - 528 V 50/60 Hz Ref. : **400T**
- Three phases 180 - 264 V 50/60 Hz Ref. : **230T**
- Single phase 180 - 264 V 50/60 Hz Ref. : **230M**
- Single phase 110 V 50/60 Hz Ref. : **110M**

### Helios 60



### Helios 600





## • OPTIONS

## Control box «Packcontrol»

This option considerably reduces the cables left on the ground. Each equipment can be directly connected to this electrical cabinet, which is attached to the sorter. The box allows you to connect and control:

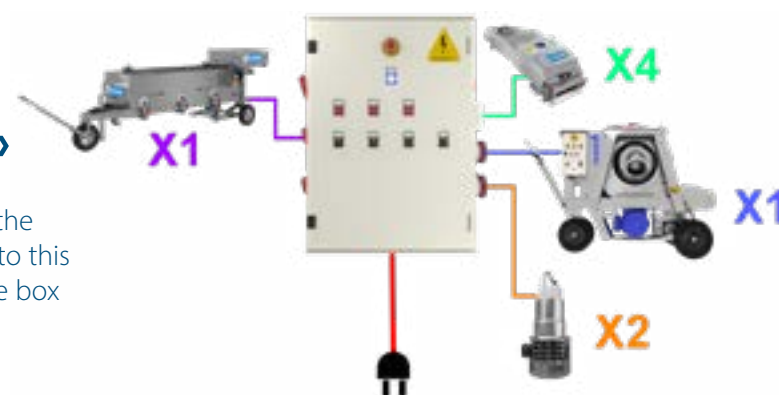
- 1 grader
- 2 water pumps
- 1 fish pump
- 4 counters.

The front panel switches allow each device to be turned on or turned off separately. Thermal circuit breakers ensure the protection of each piece of equipment. A differential switch protects the operators.

Ref. :

- 3 x 342 - 525 V 50/60 Hz inlet voltage Ref. : **THC0024**
- 3 x 164 - 264 V 50/60 Hz inlet voltage Ref. : **THC0022**
- 1 x 230 V 50/60 Hz inlet voltage Ref. : **THC004\***

\* water pump max. 2,2kW with a single phase



## Universal dewatering hopper

This universal dewatering hopper allows you to connect a Pescavac pump or an elevator or a Pescamotion pump

For Helios 60 grader :

- Ø fish pump pipe 10"

Ref. : **TH602DEWU**

For Helios 600 grader :

- Ø fish pump pipe 10"

Ref. : **TH603DEWU**



## Water pump for grader

A suitable water pump must be connected to the grader in order to grade the fish without damage. We can offer you a Stainless steel submersible pump adapted to your machine. This pump has a Stainless steel strainer to suck the fish, it is delivered with 2.5 m of flexible hose and fittings adapted to the grader.

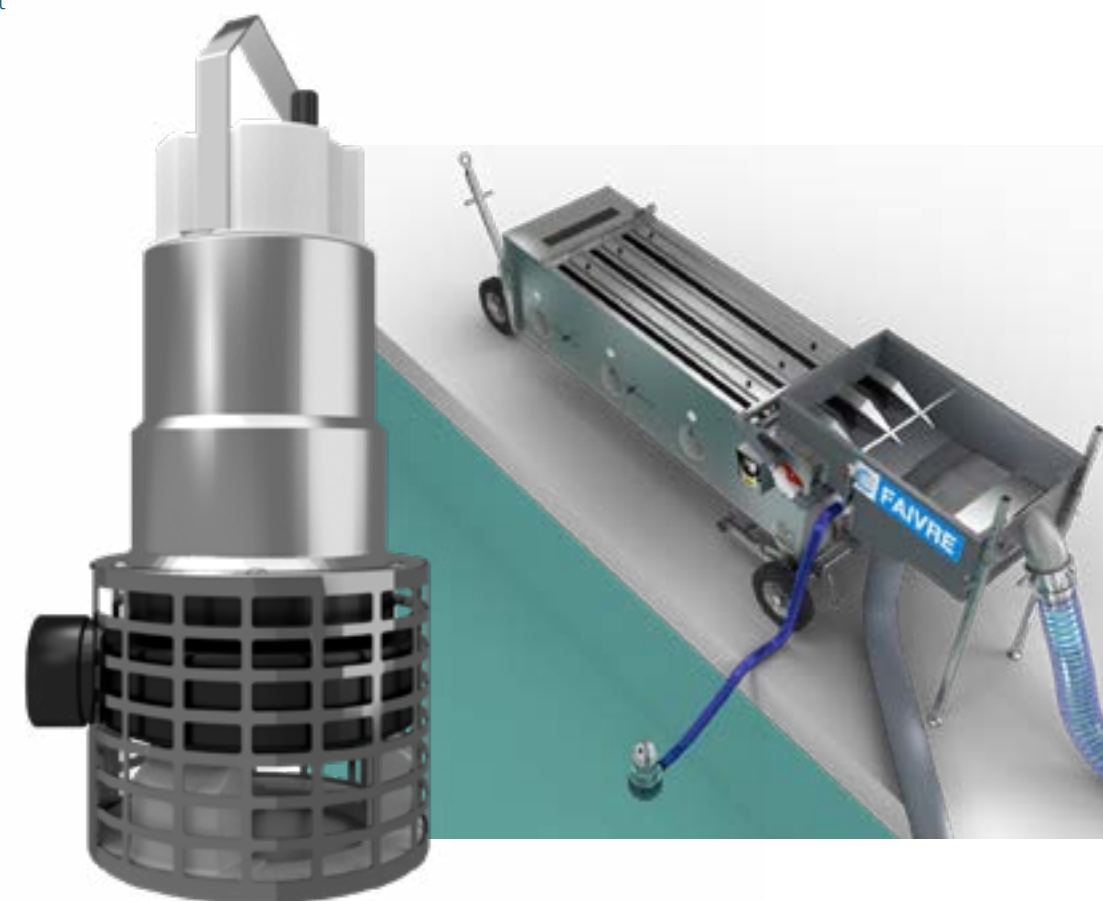
For Helios 60 - 600 graders

- Pump flow 50m<sup>3</sup>/h supply voltage 3 x 400 V 50 Hz Ref. : **TPOW50I6T5**

Accessories

- 5 m flexible hose Ø 60 mm (2,5 ") and storz fitting plus 90 ° Stainless steel elbow to connect the pump to the grader Ref. : **TPOHLINK60**

60 Hz pump on request



## Adapters :

The inlet of the dewatering hopper of the Helios 60 - 600 graders is 10" (250mm) male cam lock. If you want to connect a 8" hose to this hopper you need an adapter.

To connect an 8" (200 mm) pipe to the dewatering hopper Helios 60 - 600

- 10" female to 8" male aluminum reduction Ref. : **P1100101**







**PESCAVISION**  
Led fish counter

**PESCAMOTION**  
Propeller fish pump

**HELIOS**  
Live fish grader



Grading Pack

10 Series 2,5"

30 Series 6"

40 Series 6-8"

50 Series 8"

60 Series 8-10"



# Standard pack

Up to 3 to 4 tons/hour

3 sizes :

- 1 Pescavac 60 fish pump (up to 4,5kg)
- 1 Helios grader 60 (100g - 3,5kg) /2 channels
- 1 Water pump 50m3/h
- 1 Control box
- 1 Pescavision 30 fish counters (40g - 1kg)
- 2 Pescavision 50 fish counters (400g - 4,5kg)
- 3 Reception tanks

Fresh and Sea water pack  
Ref. : **HPST6**

250g to 3,5kg



Trout / Salmon

250g to 1,5kg



Tilapia

**PESCAVISION**  
Lad fish counter

**HELIOS**  
Live fish grader

**PESCAMOTION**  
Propeller fish pump

## Pescavac 60



### Specifications

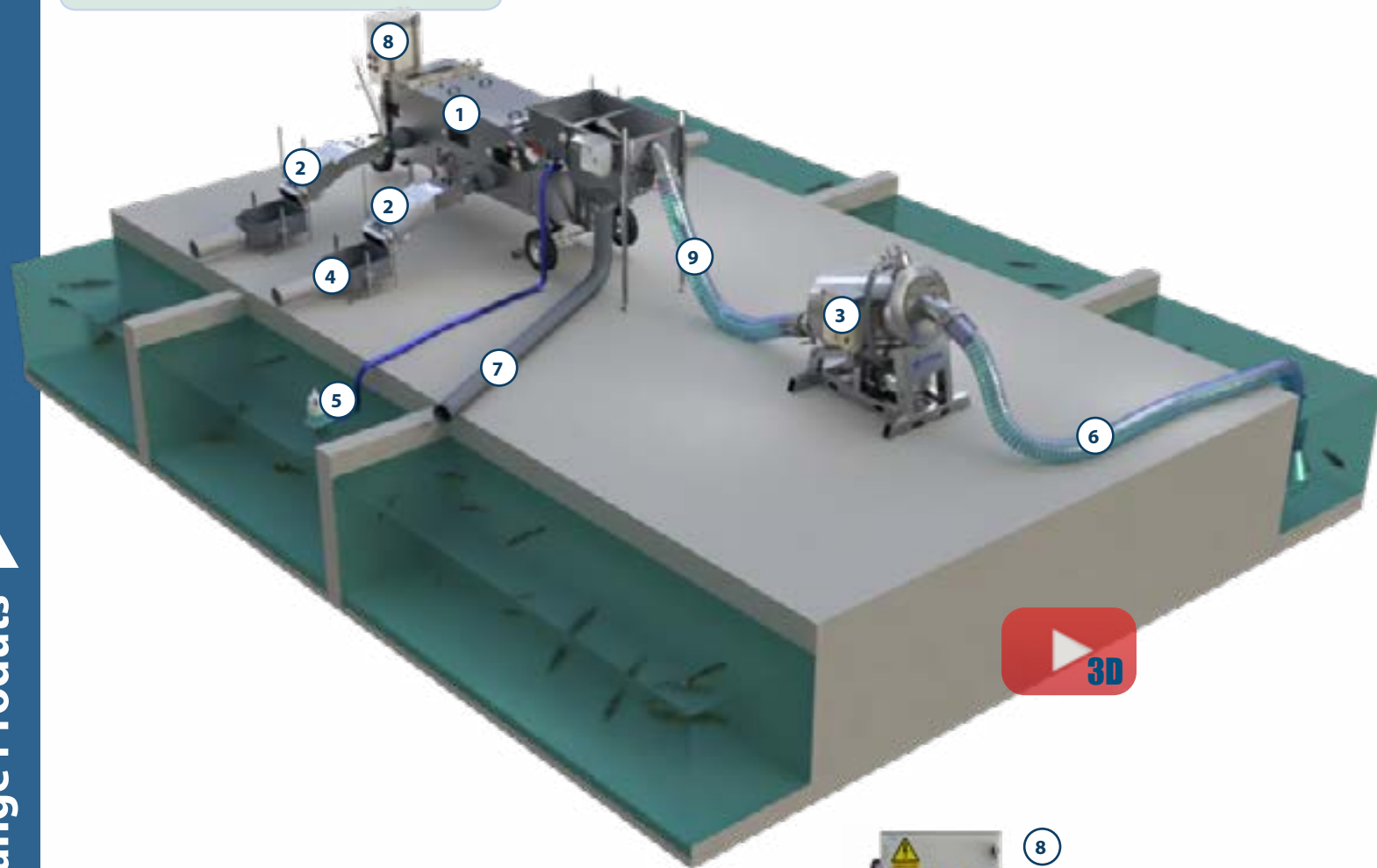
Fish pump model	PESCAVAC 60
Inlet Ø	(250 mm) 10" female cam lock
Outlet Ø	(250 mm) 10" male cam lock
Maximum discharge head	5 m (196 in)
Maximum suction head	4 m (157 in)
Fish size	Up to 4,5 kg (Trout/Salmon)
Fish size	Up to 1,5 kg (Tilapia)
Stainless steel quality	AISI 316L
Reference (Fresh and sea water)	<b>PV1001</b>

## Pescavision 30 & 50



### Specifications

Fish counter model	PESCAVISION 30		PESCAVISION 50	
Fish species	Trout Salmon	Tilapia	Trout Salmon	Tilapia
Fish weight	40 g to 1 kg	40 g to 400 g	400 g to 3,5 kg	400 g to 1,5 kg
Capacity (maxi)	3 t/h	3 t/h	4 t/h	4 t/h
Number of channels	4	4	2	2
Channel width	100 mm	100 mm	200 mm	200 mm
Connection diameter	160 mm	160 mm	200 mm	200 mm
Accuracy	98% - 100%	98% - 100%	98% - 100%	98% - 100%
Voltage	100 - 240V / 24 V		100 - 240V / 24 V	
Reference (Fresh and sea water)	<b>PESCA30</b>		<b>PESCA50</b>	



- ① Helios fish grader 60
- ② Pescavision 50 fish counters
- ③ Fish pump Pescavac 50 (Ø 200mm - 8 in)
- ④ 4 Reception tanks outlet Ø 250 mm
- ⑤ Submersible water pump 50 m3/h
- ⑥ 5 m suction flexible pipes Ø 200mm (8 in)
- ⑦ 5 m dewatering pipes Ø 200 mm (8 in)
- ⑧ Grader Control box
- ⑨ 5 m discharge flexible pipes Ø 200 mm (8 in)



⑧ Electrical box to plug fish pump counters and water pump  
Ref. (3 x 400v 50/60 Hz) : **THC002**  
Ref. (3x230v 50/60 Hz) : **THC006**



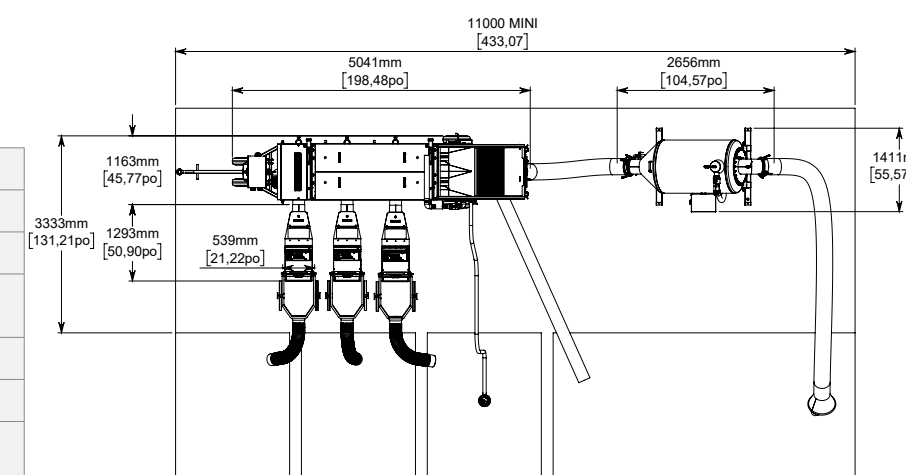
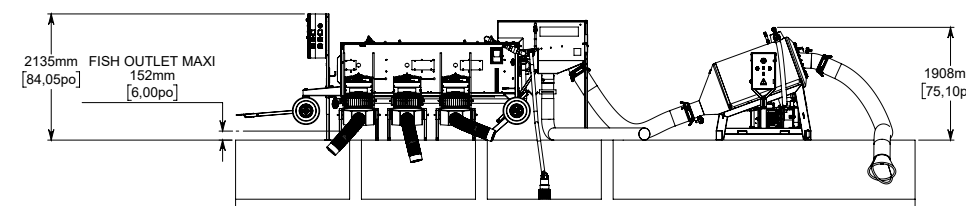
⑤ Submersible water pump delivered with 5m of flexible pipe and storz fittings to plug at the grader  
Ref. (Sea water 316L) : **TPOW5016T5**

## Helios 60



### Specifications

Grader model	HELIOS 60
Nbr of channels	2
Nbr of size	3
Length of grading channels(mm)	2500
Max. channels opening (mm)	18 to 120
Nbr of outlets Ø (mm)	6 x Ø 250
Weight min. - max. Trout/ Salmon	250 g - 3,5 kg
Weight min. - max. Tilapia	250 g - 1,5 kg
Hourly rate (tons/hour)	3 - 4
Grader weight (kg)	500
Height (m)	1,65
Advice pump flow (m³/h)	65
Reference (Sea water 316L)	<b>TH6026</b>



### Power ratings and weights summary

Machines	Power	Weight
Helios fish grader 60	0,55 kW	500 kg - 1102 lbs
Fish pump Pescavac 60	11 kW	440 kg - 970 lbs
Fish counter (one unit)	0,05 kW	24 kg - 53 lbs
Water pump 50 m³/h	2,2 kW	30 kg - 66 lbs

All packs are given as an example and can be modified according to the customer needs



# High capacity Pack

Up to 4 to 6 tons/hour

3 sizes :

- 1 Pescavac 60 fish pump (up to 4,5kg)
- 1 Helios grader 600 (250g - 3,5kg) / 3 channels grader
- 1 Water pump 50m3/h
- 1 Control box
- 1 Pescavision 30 fish counters (40g - 1kg)
- 2 Pescavision 50 fish counters (400g - 4,5kg)
- 3 Reception tanks

Fresh and Sea water pack  
Ref. : **HPHC6**

250g to 3,5kg



Trout / Salmon

250g to 1,5kg



Tilapia



## Pescavac 60



### Specifications

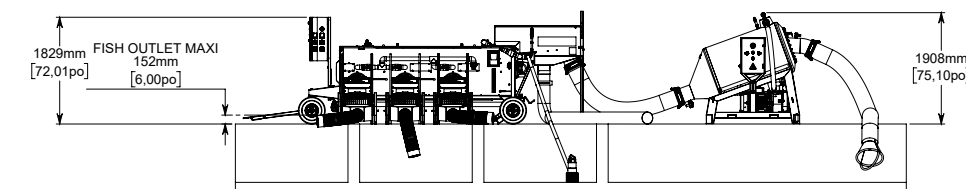
Fish pump model	PESCAVAC 60
Inlet Ø	(250 mm) 10" female cam lock
Outlet Ø	(250 mm) 10" male cam lock
Maximum discharge head	5 m (196 in)
Maximum suction head	4 m (157 in)
Fish size	Up to 4,5 kg (Trout/Salmon)
Fish size	Up to 1,5 kg (Tilapia)
Stainless steel quality	AISI 316L
Reference (Fresh and sea water)	<b>PV1001</b>

## Pescavision 30 & 50



### Specifications

Fish counter model	PESCAVISION 30		PESCAVISION 50	
Fish species	Trout Salmon	Tilapia	Trout Salmon	Tilapia
Fish weight	40 g to 1 kg	40 g to 400 g	400 g to 3,5 kg	400 g to 1,5 kg
Capacity (maxi)	3 t/h	3 t/h	4 t/h	4 t/h
Number of channels	4	4	2	2
Channel width	100 mm	100 mm	200 mm	200 mm
Connection diameter	160 mm	160 mm	200 mm	200 mm
Accuracy	98% - 100%	98% - 100%	98% - 100%	98% - 100%
Voltage	100 - 240V / 24 V		100 - 240V / 24 V	
Reference (Fresh and sea water)	<b>PESCA30</b>		<b>PESCA50</b>	

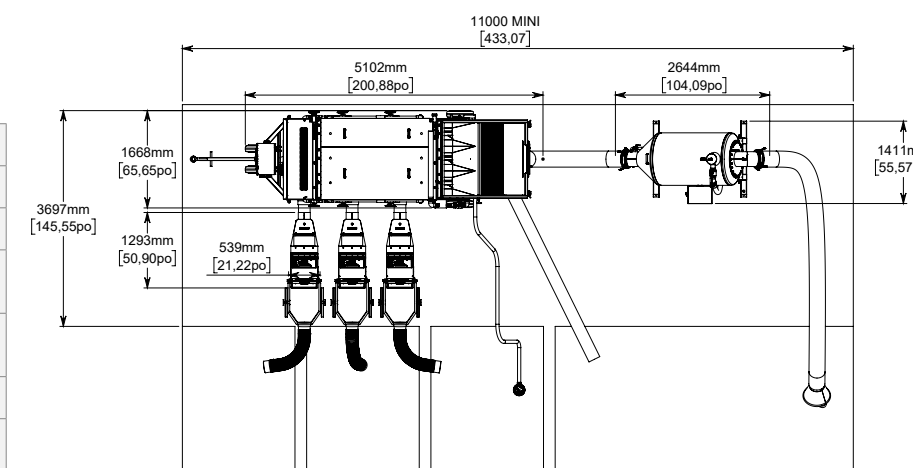


## Helios 600



### Specifications

Grader model	HELIOS 600
Nbr of channels	3
Nbr of size	3
Length of grading channels(mm)	2500
Max. channels opening (mm)	18 to 120
Nbr of outlets Ø (mm)	6 x Ø 315
Weight min. - max. Trout/Salmon	250 g - 3,5 kg
Weight min. - max. Bass/Bream/Tilapia/Carp	250 g - 1,5 kg
Hourly rate (tons/hour)	4 - 6
Height (m)	1,65
Advice pump flow (m³/h)	65
Reference (Sea water 316L)	<b>TH6036</b>



### Power ratings and weights summary

Machines	Power	Weight
Helios fish grader 600	0,55 kW	660 kg - 1455 lbs
Fish pump Pescavac 60	11 kW	440 kg - 970 lbs
Fish counter (one unit)	0,05 kW	24 kg - 53 lbs
Water pump 50 m3/h	2,2 kW	30 kg - 66 lbs

All packs are given as an example and can be modified according to the customer needs

- 1 Helios fish grader 600
- 2 Pescavision 50 fish counters
- 3 Fish pump Pescavac 60 (Ø 250mm - 10 in)
- 4 4 Reception tanks outlet Ø 250 mm
- 5 Submersible water pump 50 m3/h
- 6 5 m suction flexible pipes Ø 250mm (10 in)
- 7 5 m dewatering pipes Ø 200 mm (8 in)
- 8 Grader Control box
- 9 5 m discharge flexible pipes Ø 250 mm (10 in)

8

Electrical box to plug fish pump counters and water pump  
Ref. (3 x 400v 50/60 Hz) : **THC002**  
Ref. (3x230v 50/60 Hz) : **THC006**

5



Submersible water pump delivered with 5m of flexible pipe and storz fittings to plug at the grader  
Ref. (Sea water 316L) : **TPOW50I6T5**





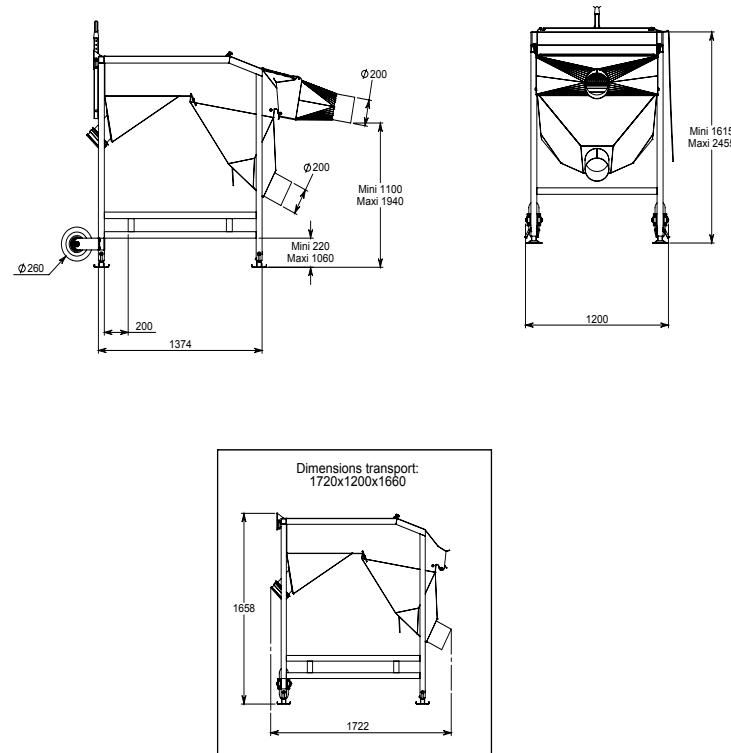
# OPTIONS

## Water separator hopper

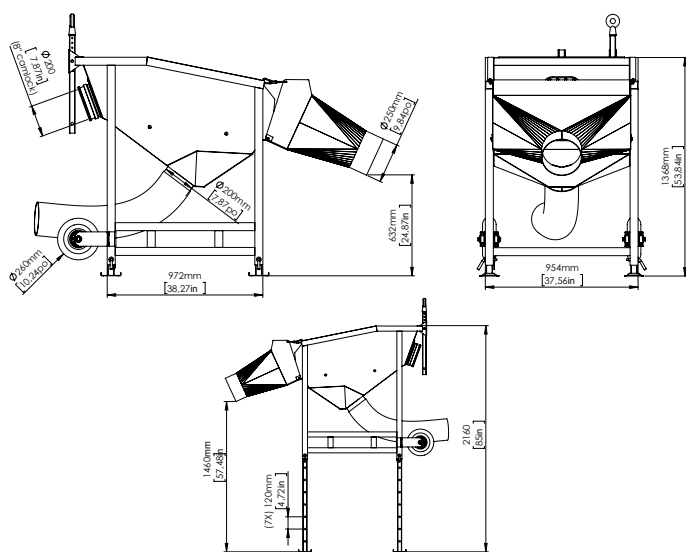
OPTIONS

Options

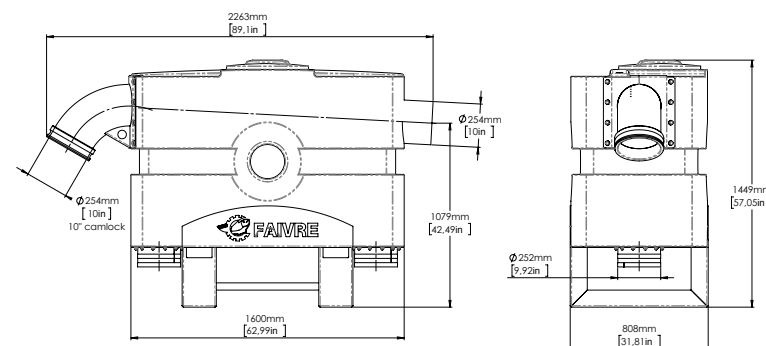
### • Dewat 30 (6")



### • Dewat 40 (8")

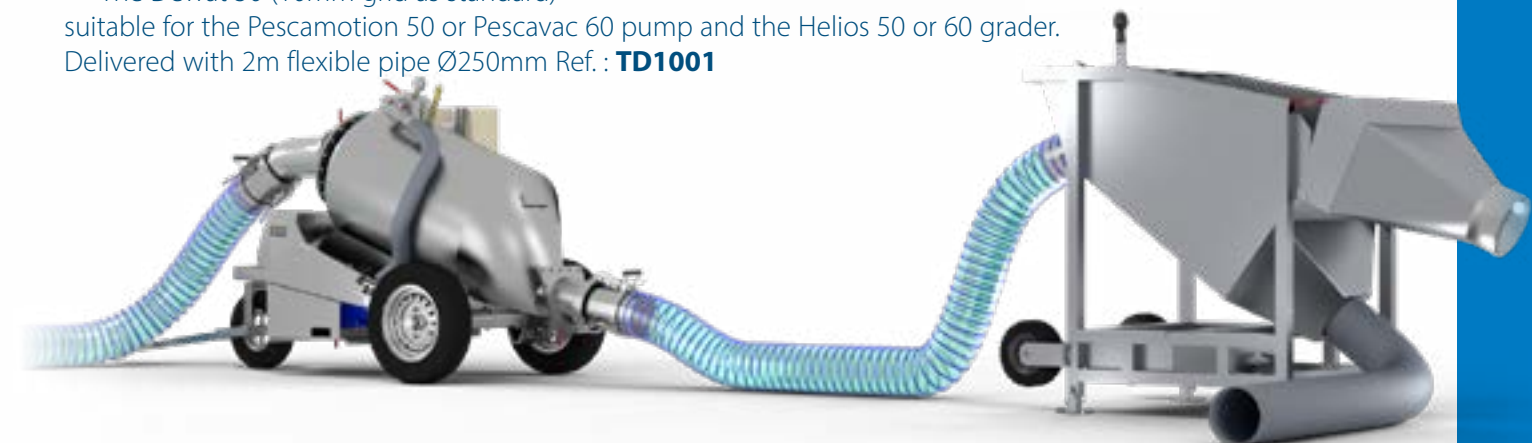


### • Dewat 50 (10")



The water separator hopper is an important part of the functioning of the fish pump. To be effective, the water separating hopper must have a particularly studied design. For this, we used a digital simulation. There are 3 sizes of water separator:

- The Dewat 30 (5mm grid) suitable for the Pescamotion 30 pump and the Helios 30 grader. Delivered with Ø200mm slide gate valve and 2m flexible pipe Ref. : **TD0602**
- The Dewat 40 (10mm grid as standard and 5mm as option) suitable for the Pescamotion 40 or Pescavac 50 pump and the Helios 40 or 50 grader. Delivered with Ø200mm slide gate valve and 2m flexible pipe Ref. : **TD0801**
- The Dewat 50 (10mm grid as standard) suitable for the Pescamotion 50 or Pescavac 60 pump and the Helios 50 or 60 grader. Delivered with 2m flexible pipe Ø250mm Ref. : **TD1001**



The Dewat 40 (8") hopper can be directly connected to a Pescamotion 40 (8") pump

The hopper can be positioned in height for loading trucks with a Pescavac 60 (10") vacuum pump.





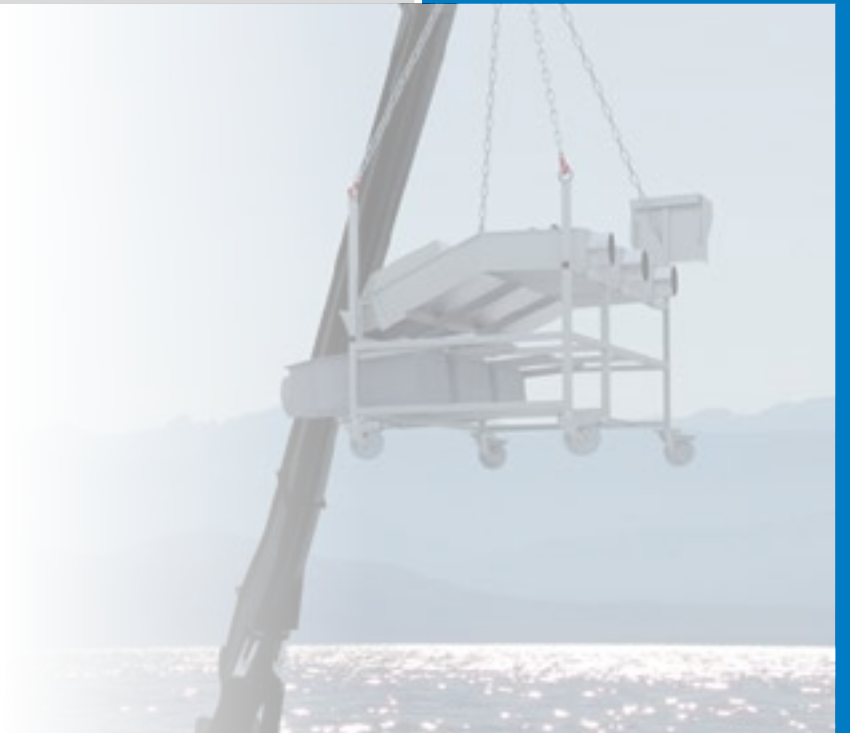
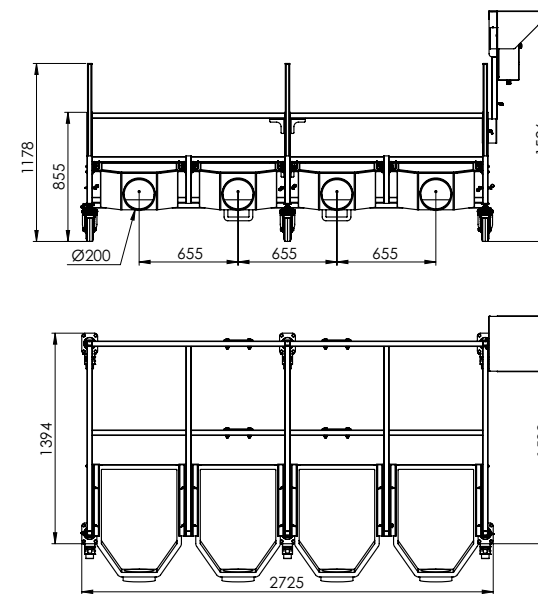
Thanks to a stainless steel trolley, it is possible to collect the counters on a single structure (4 counters max.). Thus, the installation and transport of the Pescavision counters on a farm are easier.

The centralizing box as well as the receiving bins can be attached to the trolley. Thanks to this, it is transformed as a complete and autonomous counting station.

A single electric cable will be enough to supply the station, as well as the counters mounted on it.  
Ref. : **PESCATROL**



The trolley makes it possible to collect the counters together on a Stainless steel frame with wheels.



As an option, a centralizer box can be added to the counters, simply by connecting the counter cord to the centralizer box. A count report in PDF format can be exported to a USB key, in order to be transferred to your computer.

The touch screen displays the following information:

- Number of fish counted (for each counter)
- Total number of fish counted
- History of the last counts
- Counting time

Supply voltage 1 x 110 - 240 V 50/60 Hz  
Ref. : **PESCA4CO**



The Stainless steel frame can receive up to 4 Pescavision 10 - 30 or 50 counters with the reception hopper and the centralizer box.



The trolley is easy to move by one person only (on flat ground).



We have developed 2 stainless steel Trolleys, adapted to the above-ground raceways in hatcheries or in RAS. These Trolleys can support the full range of FAIVRE's graders.

These Trolleys allow a sufficient elevation of the graders outputs to be able to place a counter above-ground

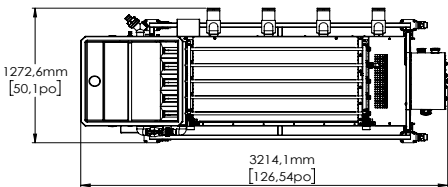
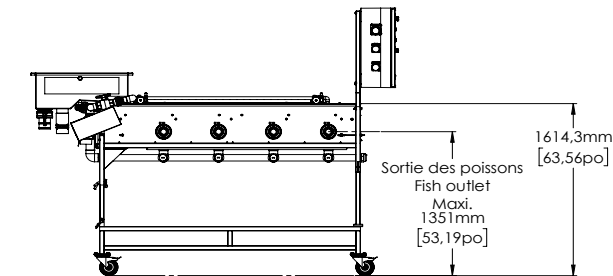
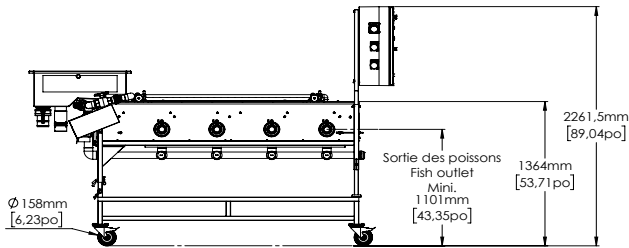


2 models are manufactured:

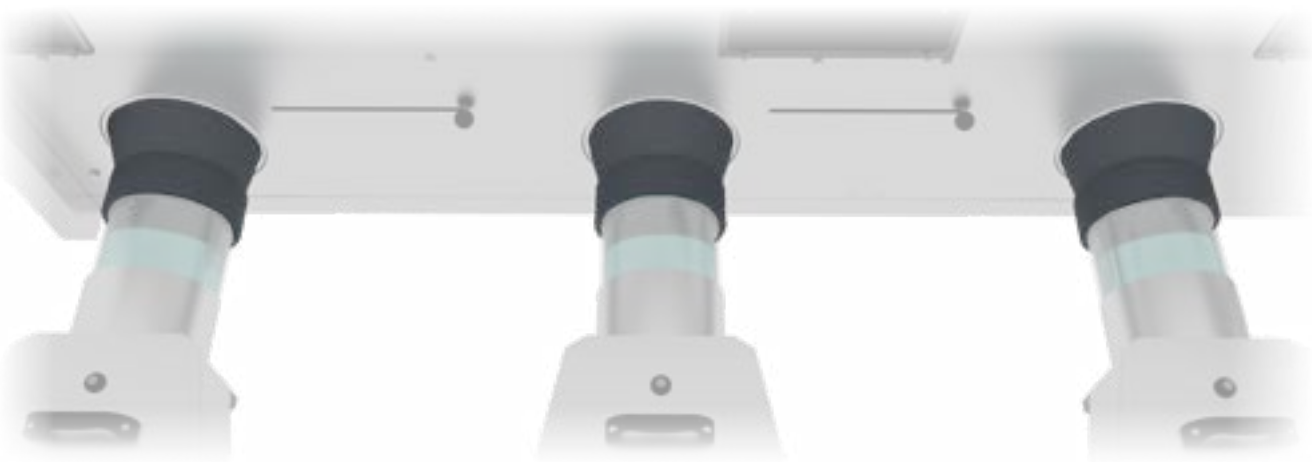
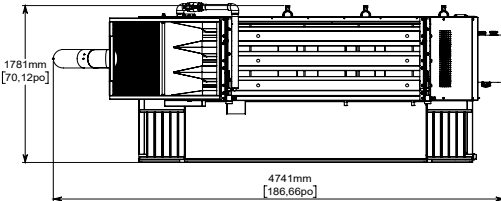
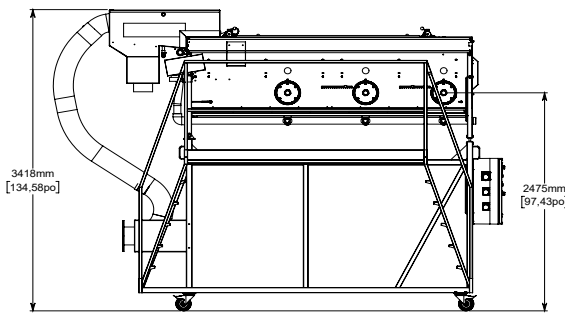
- Trolley for Helios 10 grader Ref. : **TRSTD02**
- Trolley for Helios 50 grader Ref. : **TRSTD01**



Trolley for Helios 10



Trolley for Helios 50



PVC connecting pieces

Each counter must be connected to the grader with a flexible or rigid pvc pipe. For this, we have a complete range of specific sleeves to connect the counters to each FAIVRE's graders.

- PVC fitting to connect a Pescavision 10 counter to the outlet of a Helios 10 grader Ref. : **TH000522V**
- PVC fitting to connect a Pescavision 10 counter to the outlet of a Helios 25 grader Ref. : **TH000524**
- PVC fitting to connect a Pescavision 10 counter to the outlet of a Helios 30 grader Ref. : **TH000522**
- PVC fitting to connect a Pescavision 10 counter to the outlet of a Helios 40 or 400 grader Ref. : **TH000521**
- PVC fitting to connect a Pescavision 10 counter to the outlet of a Helios 50 or 60 grader Ref. : **TH000519**
- PVC fitting to connect a Pescavision 10 counter to the outlet of a Helios 600 grader Ref. : **TH000517**
- PVC fitting to connect a Pescavision 30 counter to the outlet of a Helios 10 grader Ref. : **TH000522**
- PVC fitting to connect a Pescavision 30 counter to the outlet of a Helios 25 grader Ref. : **TH000523**
- PVC fitting to connect a Pescavision 30 counter to the outlet of a Helios 30 grader Ref. : **TH000513M**
- PVC fitting to connect a Pescavision 30 counter to the outlet of a Helios 40 or 400 grader Ref. : **TH000520**
- PVC fitting to connect a Pescavision 30 counter to the outlet of a Helios 50 or 60 grader Ref. : **TH000518**
- PVC fitting to connect a Pescavision 30 counter to the outlet of a Helios 600 grader Ref. : **TH000516**
- PVC fitting to connect a Pescavision 50 counter to the outlet of a Helios 25 grader Ref. : **24175C**
- PVC fitting to connect a Pescavision 50 counter to the outlet of a Helios 30 grader Ref. : **TH000520**
- PVC fitting to connect a Pescavision 50 counter to the outlet of a Helios 40 or 400 grader Ref. : **TH000512L**
- PVC fitting to connect a Pescavision 50 counter to the outlet of a Helios 50 or 60 grader Ref. : **TH000514**
- PVC fitting to connect a Pescavision 50 counter to the outlet of a Helios 600 grader Ref. : **TH000515**







A hose is essential for the safe transport of the fish.. Poor quality hoses may not be suitable to be used with our fish pumps.

Our hoses have been tested for months with the FAIVRE's pumps. The quality allows an intensive use of the hoses on our equipment.

**FLEXIBLE HOSE (suction and discharge without cam-lock)**

Standard pipe

- 2,5" (63mm) Flexible hose (10 meters roll mini) Ref. : **63L10**
- 4" (102mm) Flexible hose (10 meters roll mini) Ref. : **100L10**
- 6" (152mm) Flexible hose (5 meters unit) Ref. : **152L05**
- 6" (152mm) Flexible hose (10 meters unit) Ref. : **152L10**
- 8" (152mm) Flexible hose (5 meters unit) Ref. : **203L05**
- 10" (152mm) Flexible hose (5 meters unit) Ref. : **253L05**

**EXTRA LENGTH FOR FISH PUMP (suction and discharge with cam lock male and female included)**

- 2,5" Flexible hose:
- 5 m Ref. : **PP0203FM**
  - 10 m Ref. : **PP0204FM**

- 4" Flexible hose:
- 5 m Ref. : **PP0403FM**
  - 10 m Ref. : **PP0404FM**

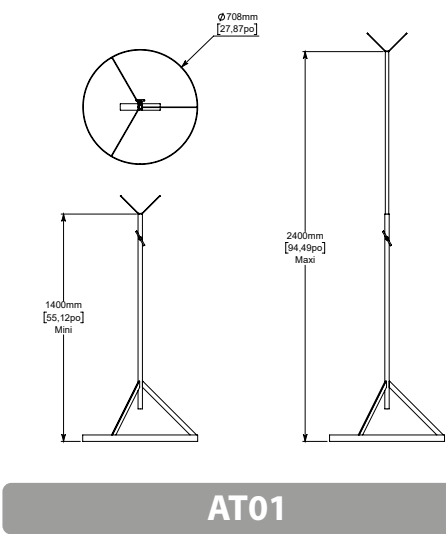
- 6" Flexible hose:
- 5 m Ref. : **PP0603FM**
  - 10 m Ref. : **PP0604FM**

- 8" Flexible hose :
- 5 m Ref. : **PP0803FM**

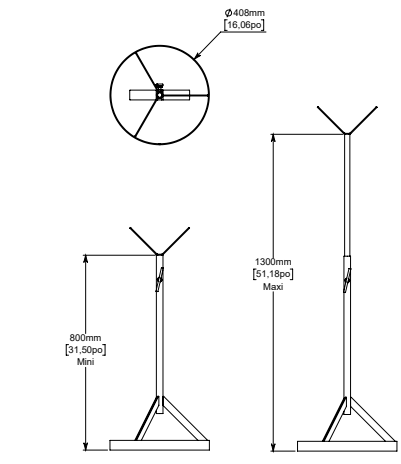
- 10" Flexible hose :
- 5 m Ref. : **PP1005**



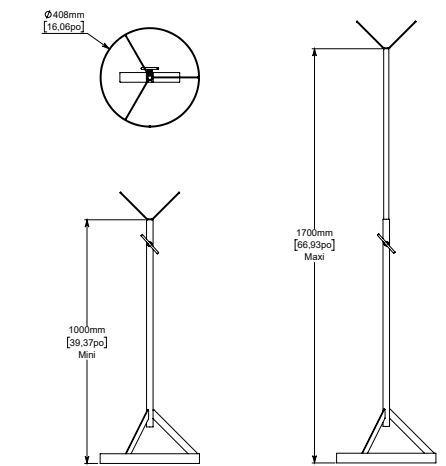
- Stainless steel adjustable hose support from 1400 to 2400mm Ref. : **AT01**
- Stainless steel adjustable hose support from 800 to 1300mm Ref. : **AT02**
- Stainless steel adjustable hose support from 1000 to 1700mm Ref. : **AT03**



**AT01**



**AT02**



**AT03**



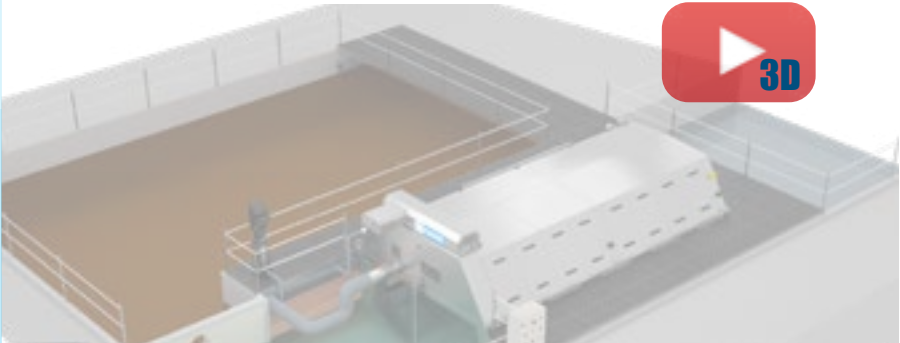




New catalog water management 2023. With this new catalog we are glad to introduce our new Spiderplate and Smart Filter control box.

FAIVRE Company is not only specialized in the conception of machines for fish farming (fish graders, fish counters, fish pumps). Indeed, FAIVRE also designs machines for water treatment, with the production of drum filters, leaf screeners and aerators as well. Our machines are well known for their reliability and quality since 1958.

● Drum filter



● 3 models



● Filter with tank



● Filter with frame



● Filter with input by pipe

Filters with tanks and pipe inlets are equipped with an internal safety overflow (weir)

● Aerators



Find all these equipment in our water management catalog.







# FAIVRE

**DESIGNER & MANUFACTURER OF  
FISH FARMING EQUIPMENT**  
[www.faivregroup.com](http://www.faivregroup.com)