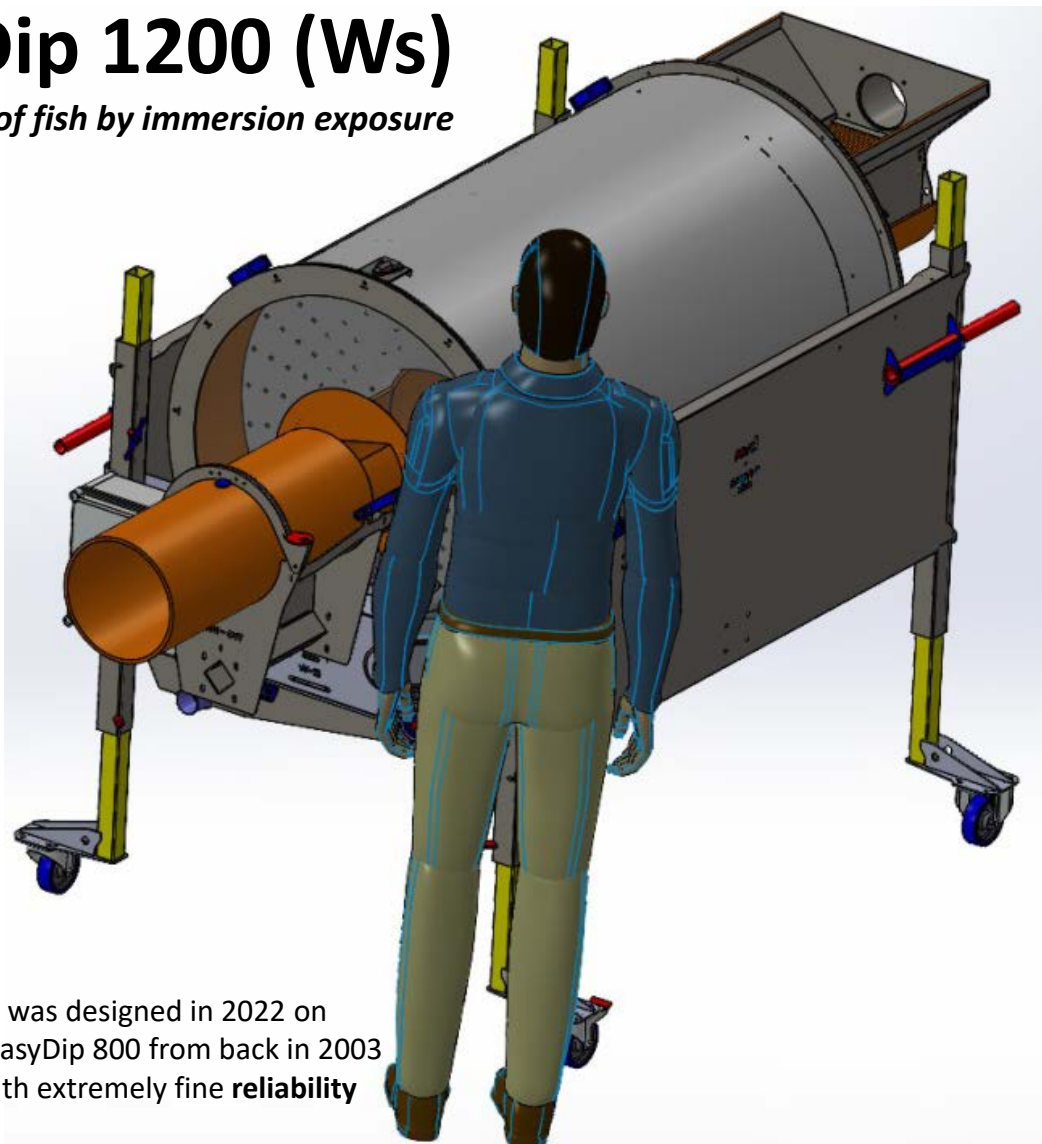


EasyDip 1200 (Ws)

Vaccination of fish by immersion exposure

UK



EasyDip 1200 was designed in 2022 on the basis of EasyDip 800 from back in 2003 and tested with extremely fine **reliability**

EasyDip vaccinates fish from 1 grams up to 10-12 grams

EasyDip is constructed as a basic machine **EasyDip 1200** where it is possible to add on a weighing system so it is possible to operate the machine fully automatically

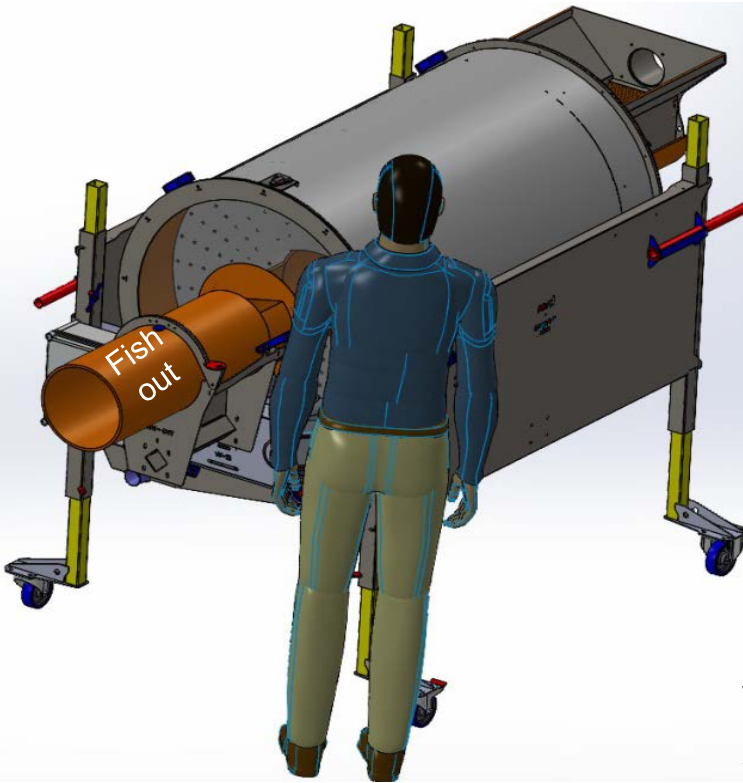
Order the EasyDip without the weighing system and later if needed updating with the weighing system.

Before starting up for the first time, we recommend you to read the EasyDip 1200 manual in order to have the optimal utilisation of the machine.

On receipt of the machine, please, inspect for transportation damages.

EasyDip 1200 (Ws)

Fully-automatic immersion system



Advantages

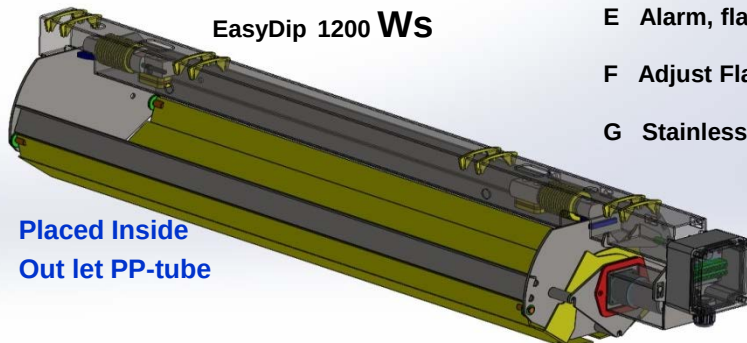
- 1 No manual handling, less stress on fish
- 2 Up to 40 Kg Fish / minute.
- 3 Up to 1000 Kg of fish in 1 vaccine mix
- 4 Very Low fish density of fish in the vaccine 30%
- 5 Feed EasyDip direct from Grader, Pump, ore Nets
- 6 Touch panel Easy programing
- 7 Automatic dewatering of the drum
- 8 Stainless Funnel included (for filling vaccine)
- 9 Water Refill / Flush, pump included
- 10 Equipped with wheels

Ws model

- A Built-in weight in center tube
- B Weight is displayed as actual
- C Weight is displayed as accumulated
- D Fish is weighed more accurate that 5%
- E Alarm, flashing light by max. amount of fish
- F Adjust Flash light X Kg before max amount of fish
- G Stainless Steel load cell's

Weighing system

EasyDip 1200 Ws



***You will always have the option to upgrade
EasyDip 1200 to a Ws model***

MADE BY

ROSSI

Horsens Denmark

All machines produced for EU-countries by Rossi Denmark are CE-marked in conformity with the Machine-, Low Voltage- and EMC-Directives according to the European Safety Regulations.

0 → Display structure

>> EasyDip 1200 << 07:24:30

Fish flow rate in seconds **123** Option

Start Reset Emergency Stop

Date **ROSSI** Denmark Option 2

Dewater Refill Water

Info **1234** Return

Start Dewater < Run Dewater sequence > Stop

Drum Forward Help Drum Revers Settings Dewater Return

Adjust drum for dewater position

Start Pump Pump time in sec. **1234.5** Stop

Press 1 Sec.

Reset Counter Pump Settings Return

Dewater Sequence

Drum Speed Defaults Values

USB EasyDip Return

> Drum speed for dewater Sequence <

Drum Forward Help Drum Revers

Adjust position Speed **12** Return

Drum run time for Dewater **123.4** Test Sequence **12** Stop Delay Dewater **123.4**

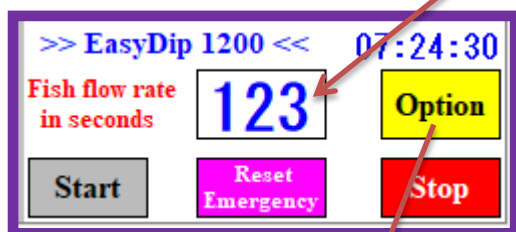
Adjust dewater Speed Return

1 → Start and run the EasyDip

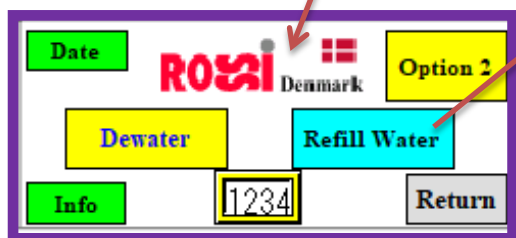
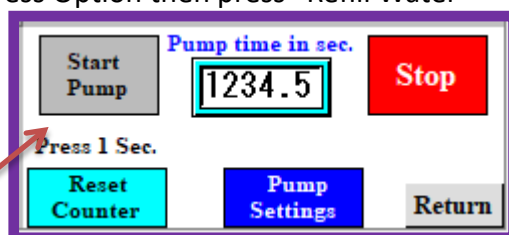
Turn on the machine with the main switch on the bottom side of the main box
Press "Reset Emergency"

Enter the time the fish must have in the vaccine
it is typically 45 seconds, we recommend setting the time 10 seconds longer
as there is a small time difference when the fish can enter the screw

Ready to run



Refill water
Press Option then press "Refill Water"



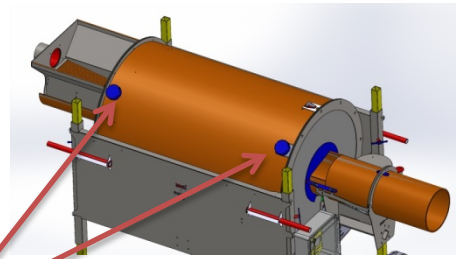
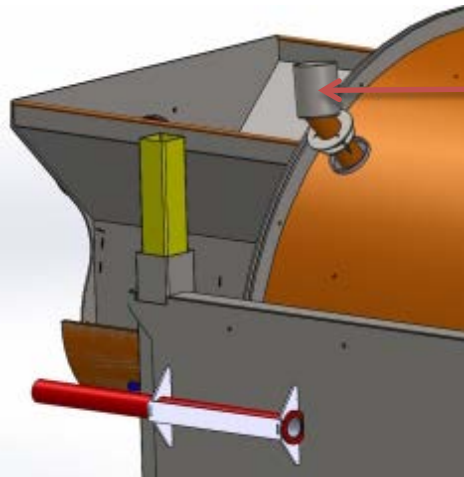
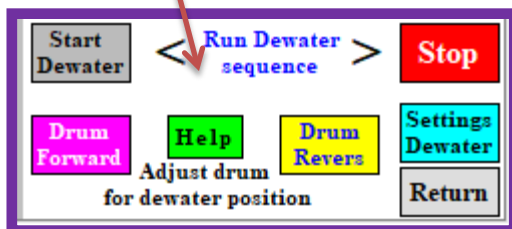
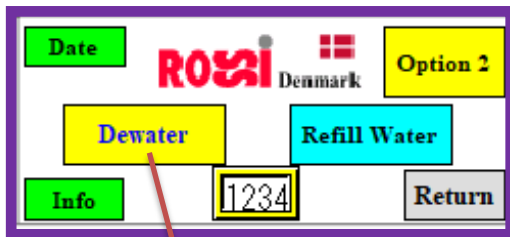
Move the drum around so that the spirit level is horizontal
unscrew the lid where the fish enter
connect the hose that is on the supplied pump
a flow meter is fitted where the number of liters can be read

Weary important

The machine has to be connected to ground ("Earth")
If no grounding the speed drive will make the frame
A bit electrical
the current is not dangerous but the fish will feel it

PS: If grounding not are available take a wire 6 mm² and mount it to the machine then put the other end in the water

2 → Dewater & refill water



Move the drum around so that the spirit level is horizontal, unscrew the lid where the fish enter

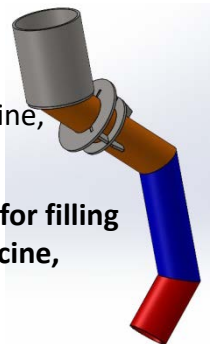
Press "Start Dewater" the drum now automatically runs down to empty position after a while it moves back to the filling position

Press Emergency Stop

Insert the funnel for filling the vaccine,

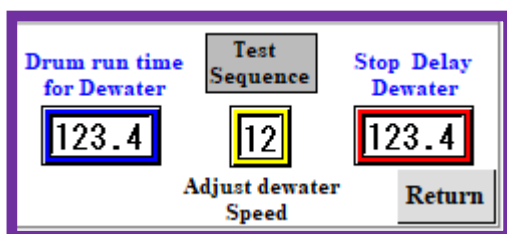
Refill it with water

Funnel for filling the vaccine,



Remember to get the hose down far enough so that the water does not run into the PP pipe
Remove the funnel and now screw the lid on

Reset Emergency and ready to run

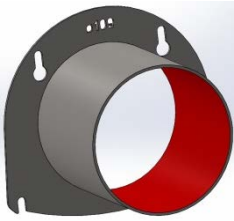


Here on this page the times and speeds can be set

so they will fit with the amount of vaccine mix in preferably want to ride along

Factory settings is for app. 130 liter mix

3 → Dewater fish in



When the machine is fed with fish from a, grading machine or a fish pump.

There is 1 inlet system for hose dia. 109 can be connected to the hose from sorting or pump are included

(3 inch) Cam lock coupling adapter (male)

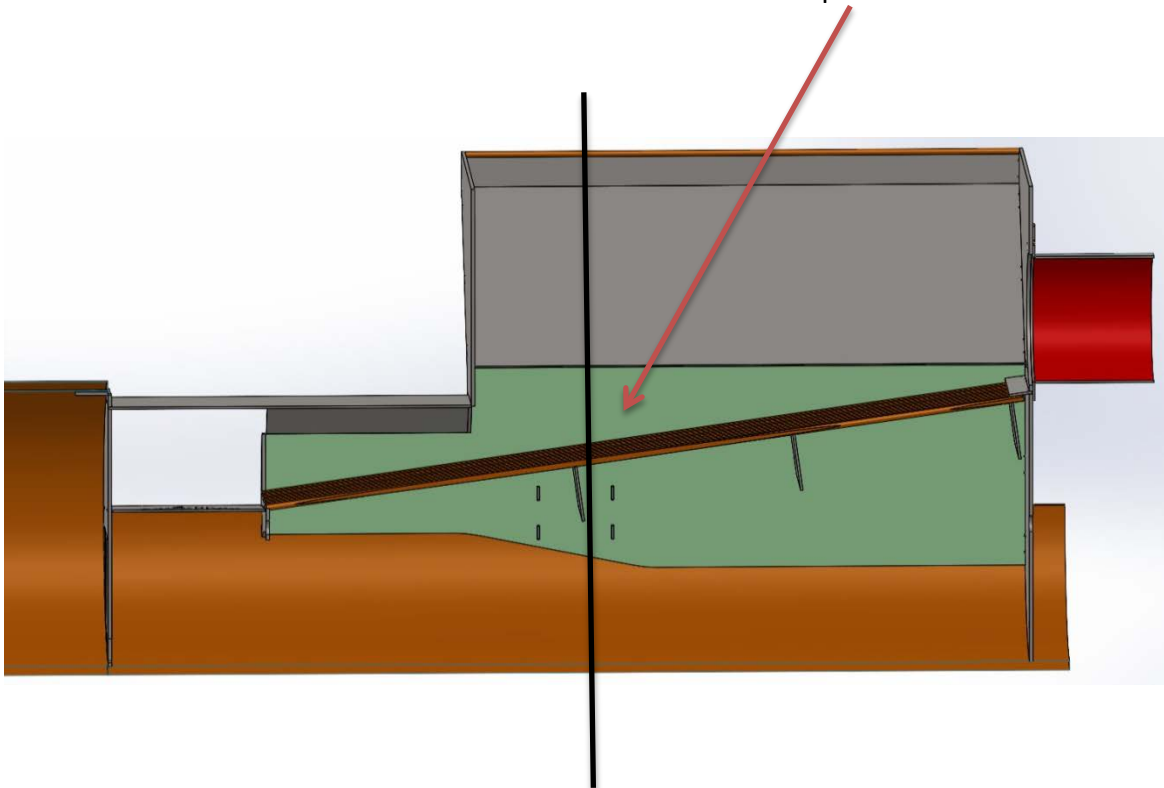


1 plate, for welding on the Cam Lock system 3" are included

1 cover plate, use by netting are included

When the machine is fed with fish from a, grading machine or a fish pump.

The water must not spray further into the inlet as indicated in the picture



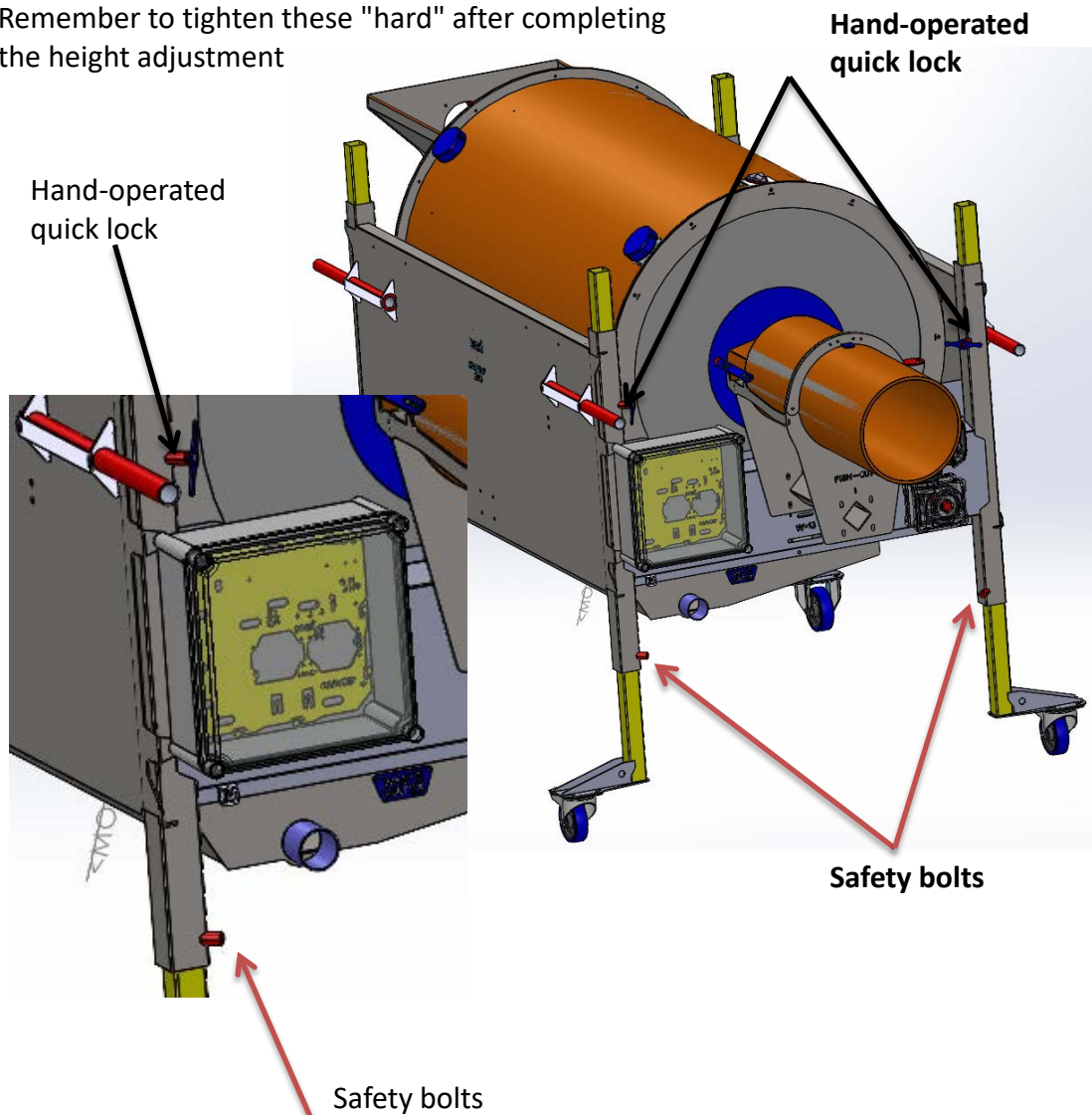
4 → Height adjustments

Hand-operated quick lock for height adjustment,
there are 4 pieces 2 at each end

During adjustment, the lifting handles are pulled out
NB. the machine is relatively heavy, so two men are
best

Underneath, there are 4 additional screws as extra
security
the screws are M8 key width 13 mm

Remember to tighten these "hard" after completing
the height adjustment

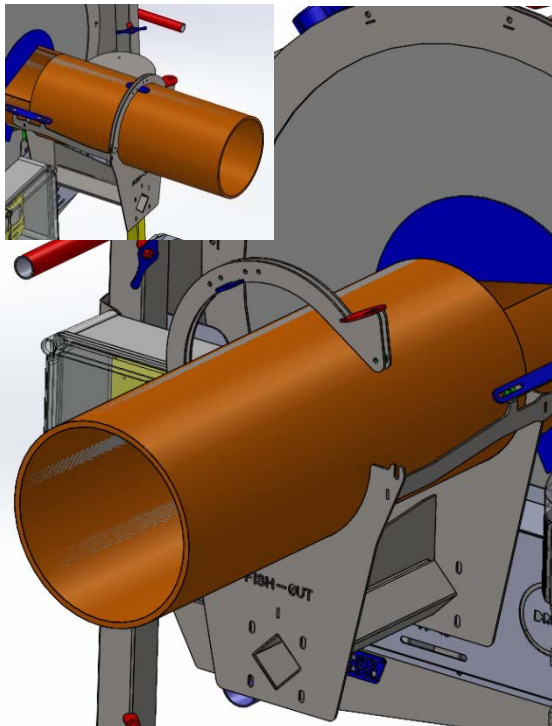
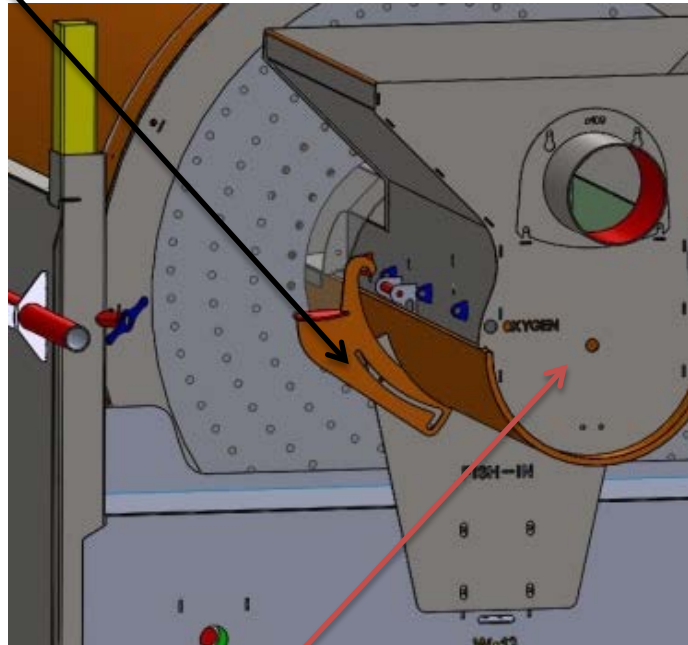


5 → Remove the center PP pippe

The inlet is removed by loosening the top nut
lift the locking hook up so that it engages
this is done on both sides

At the outlet, the clamp is loosened & removed
and the tube is now free to pull out.

When installing, do the same in reverse
Remember that the 2 M6 screws
must fit into the 2 position holes
to make the pipe sit correctly, **after this, the inlet can be fitted again**



5 → Customer and AVL test Scotland

Cloan Fiskefarm Scotland

Chris AVL

Test Scotland 2008

1 liter vaccine + 9 liter vand	efter 100 kg fisk	12 liter i tromle
Vaccine mix (OK according Chris AVL)		
1 liter vaccine + 8 liter vand	efter 100 kg fisk	10-11 liter i tromle

The main problem that we experienced with EasyDip was the fact that the vaccine solution seemed to dilute by quite a margin. We have since worked round this problem by instead of putting in 18 litres of water and 2 litres of vaccine we now put in 2 litres of vaccine and 16 litres of water. This has solved the problem completely.

Before, when we were putting in the full amount of vaccine, when we measured out the vaccine when we had finished it there would be up to 25 litres in total. We cut back the water that was going into the central pipe but this had no real effect. The water is getting in with the fish themselves.

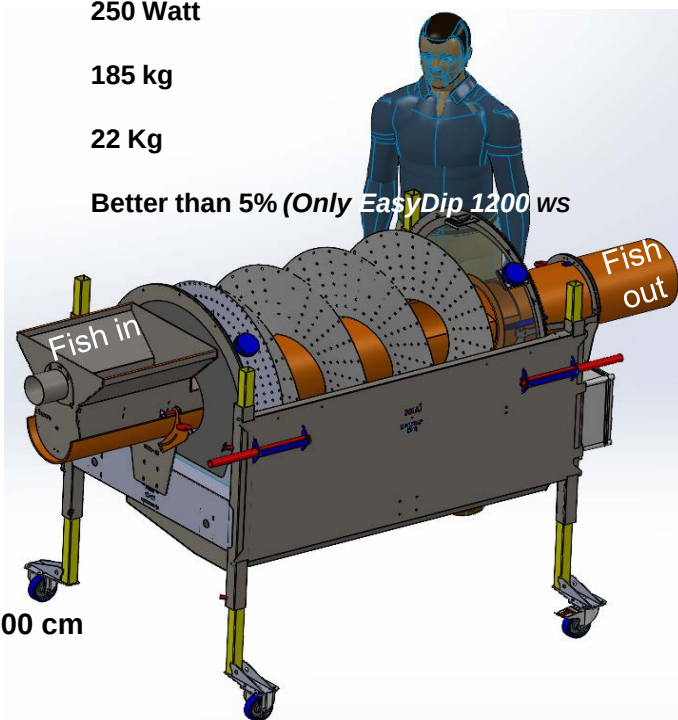
It is not a problem now because we have worked round it to the satisfaction of Chris from AVL. He has seen the machine and is very happy with it, therefore, as discussed on the phone last week we are in a position to go ahead with the order. We would like to order 3 machines in total. We do not require the scales on any of the machines as we have just ordered a new Vaki counter also. The machines will be used when we are grading and so it is our intention that the fish will be graded, vaccinated and counted in one process. Because of this we will use the counter to determine when the vaccine has been used

EasyDip 1200 (Ws)

Technical specifications

Water capacity	max	240	Liters
Fish capacity	max	40	Kg / minute
Fish size		1-15	Grams

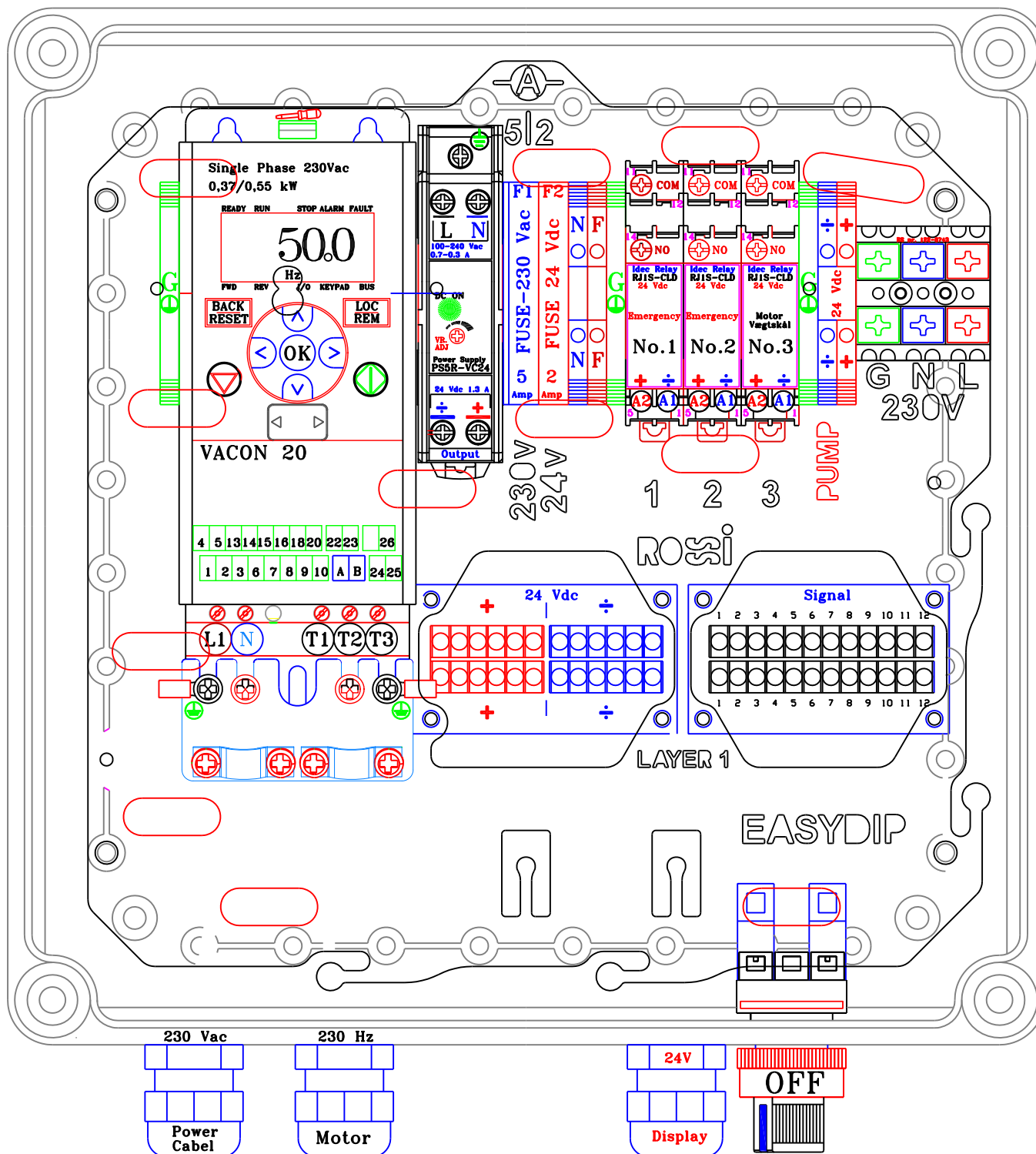
Personnel:	1200 (WS)	0 person
Adjustment of working height:	Min 69-cm Max 120 cm	(higher by order)
Inlet pipe for pump	Dia. 110 mm / on order Cam lock	
Outlet:	Dia. 250mm	
Total height loss:	23-25 cm	
Emersion time:	Adjustable 30 – 290 sec.	
Connection:	230 Volt	
Power consumption	250 Watt	
Machine weight (empty):	185 kg	
Weight system	22 Kg	
Weight	Better than 5% (Only EasyDip 1200 ws)	



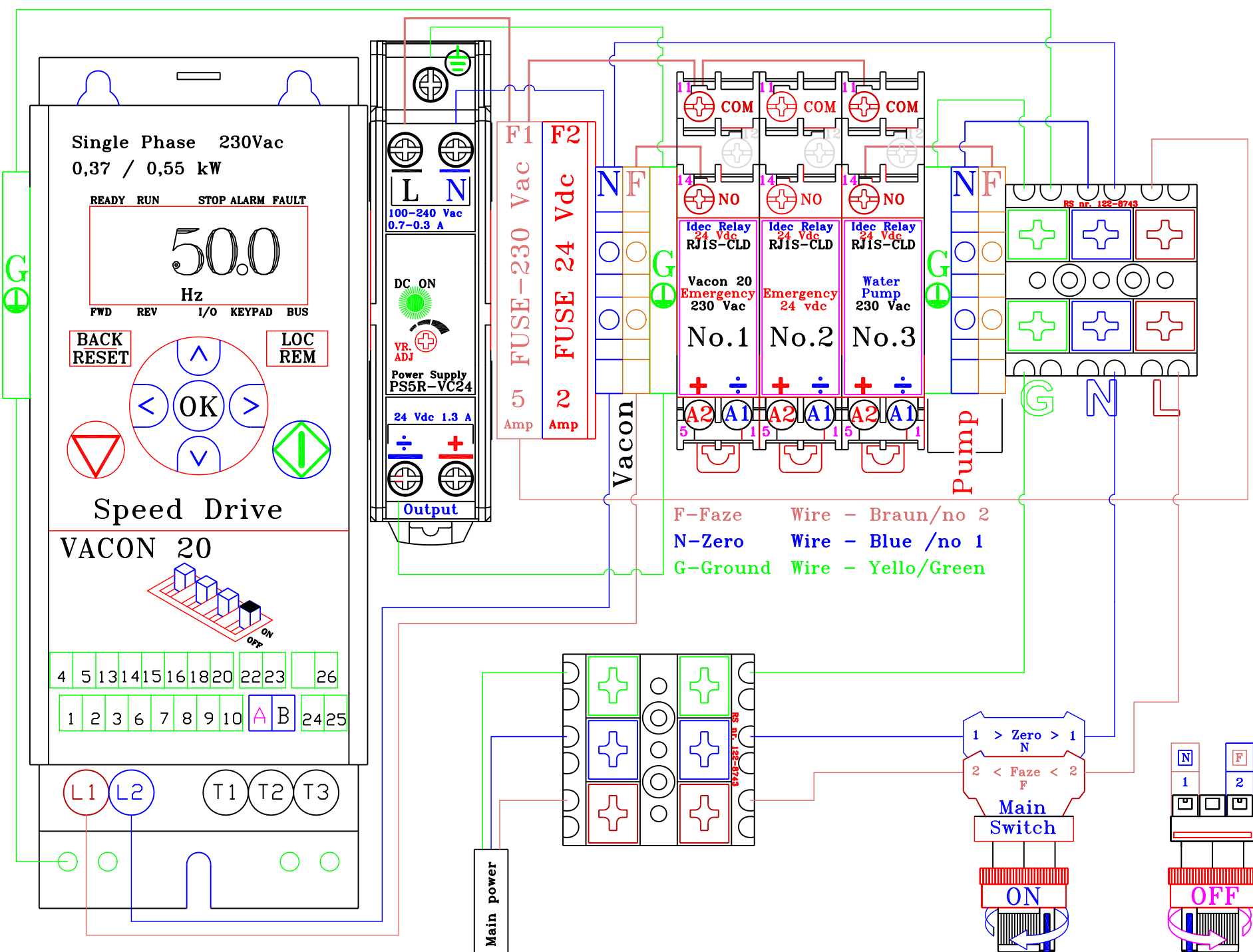
Materials : Stainless steel 304/316
Dimension Drum D 78 cm x L 1200 cm
Overall dimension W 130 cm
L 2500 cm
H 125 cm



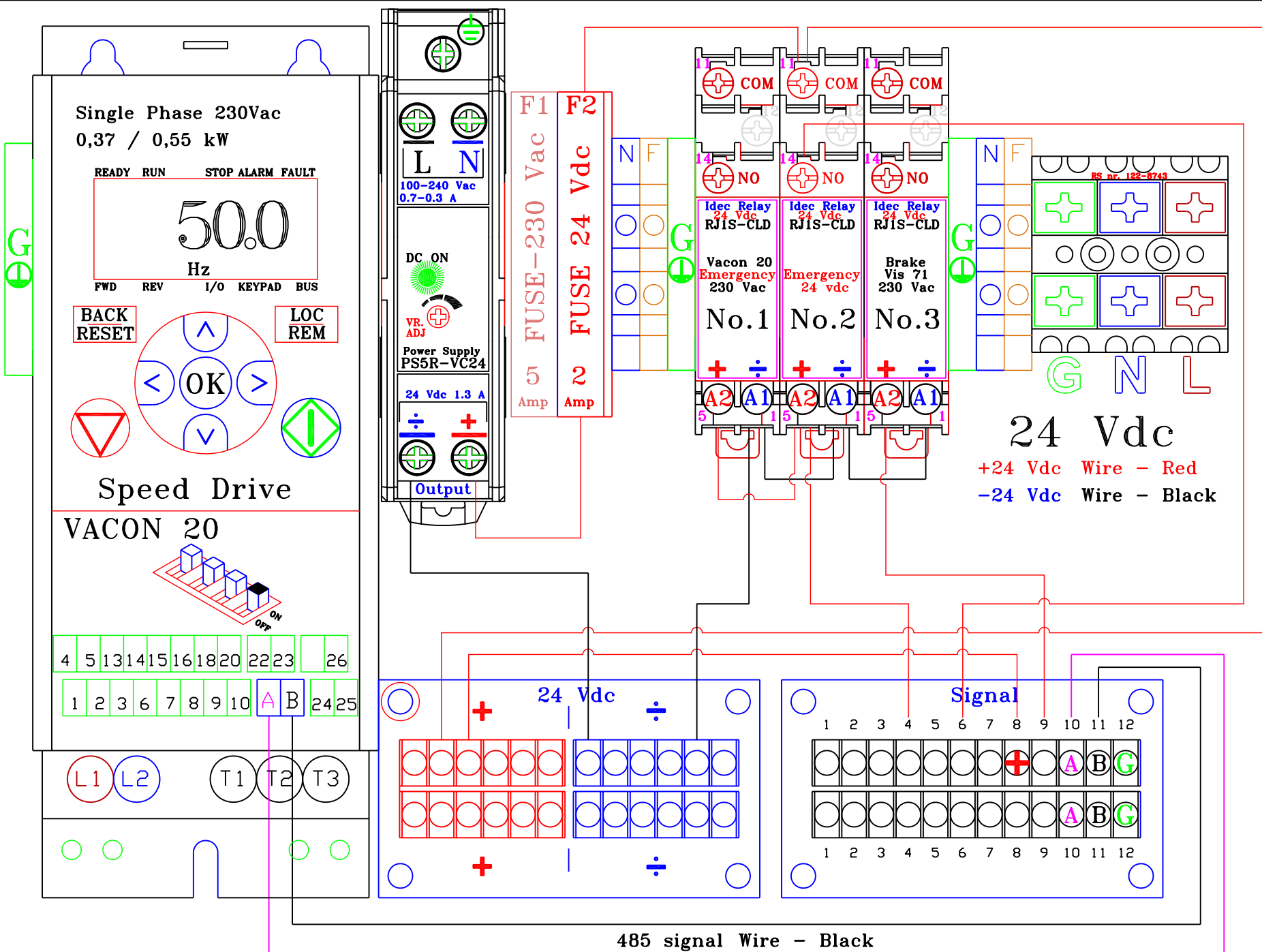
TEL : +45 28 400 368 E-mail : rossi@profibermail.dk



Wire list 230 Volt AC



Wire list 24 Volt DC



Wire list Idec FT1A–C14SA–B
Wire
**PLC Modul
Terminal**
Adress
Power supply

24 Vdc

4

÷

24 Vdc

8

+

24Vdc

÷ 24 Vdc

G

Mud Bus 485

485 (RDB)

A

10

485 (RDA)

B

11

In–put (skal have + ind)

Fri indgang

1

0

i0

Fri indgang

2

1

i1

2

i2

3

i3

4

i4

5

i5

Emergency on/off

6

6

i6

7

i7

Out–put (Sender + ud)

Reset emergency

Relay 1&2



5

0

Q0

Fri udgang

3

1

Q1

Fri udgang

12

2

Q2

Water pump

Relay 3



9

3

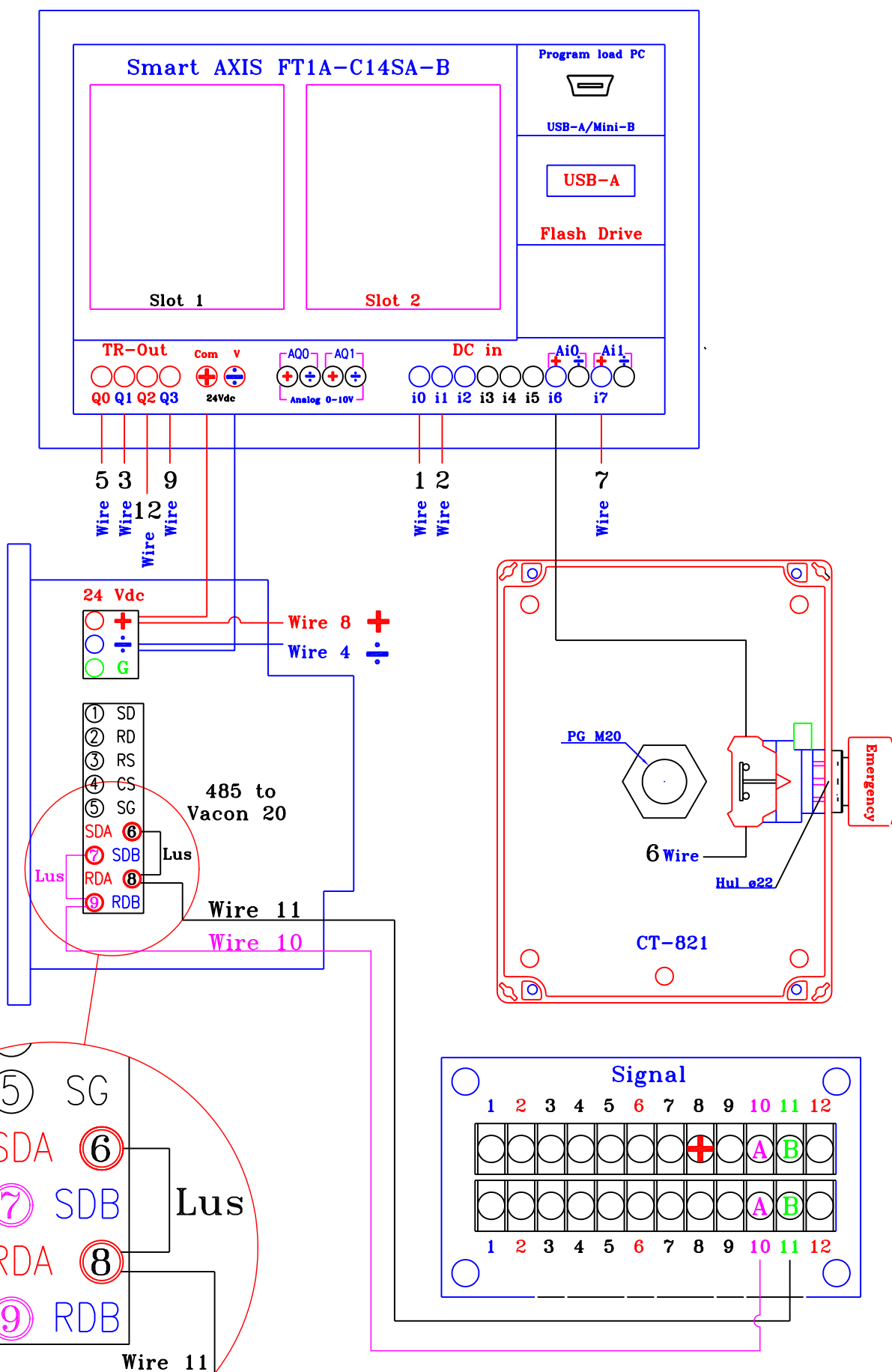
Q3

Analog in 10/12 bit 1024/4095

7

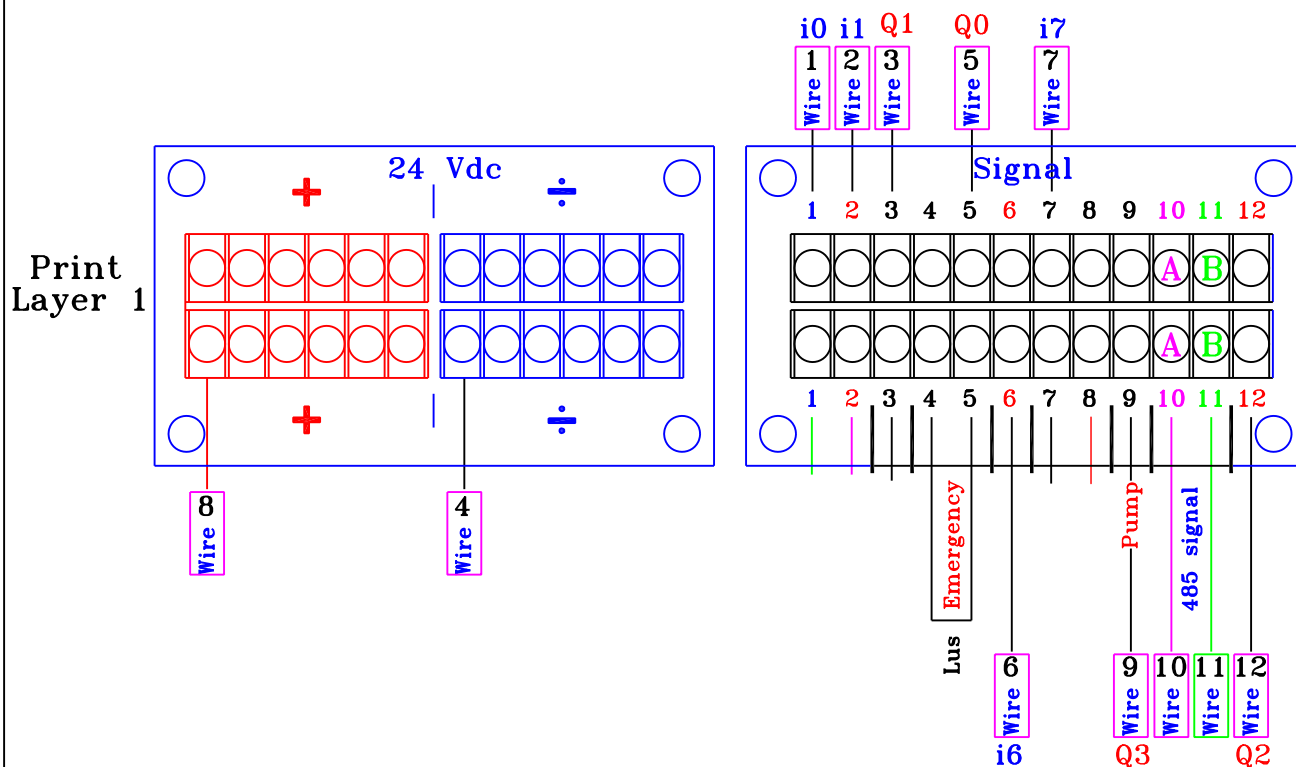
in0

Idec Display FT1A-C14SA-B



Cabel 12 x 0,75

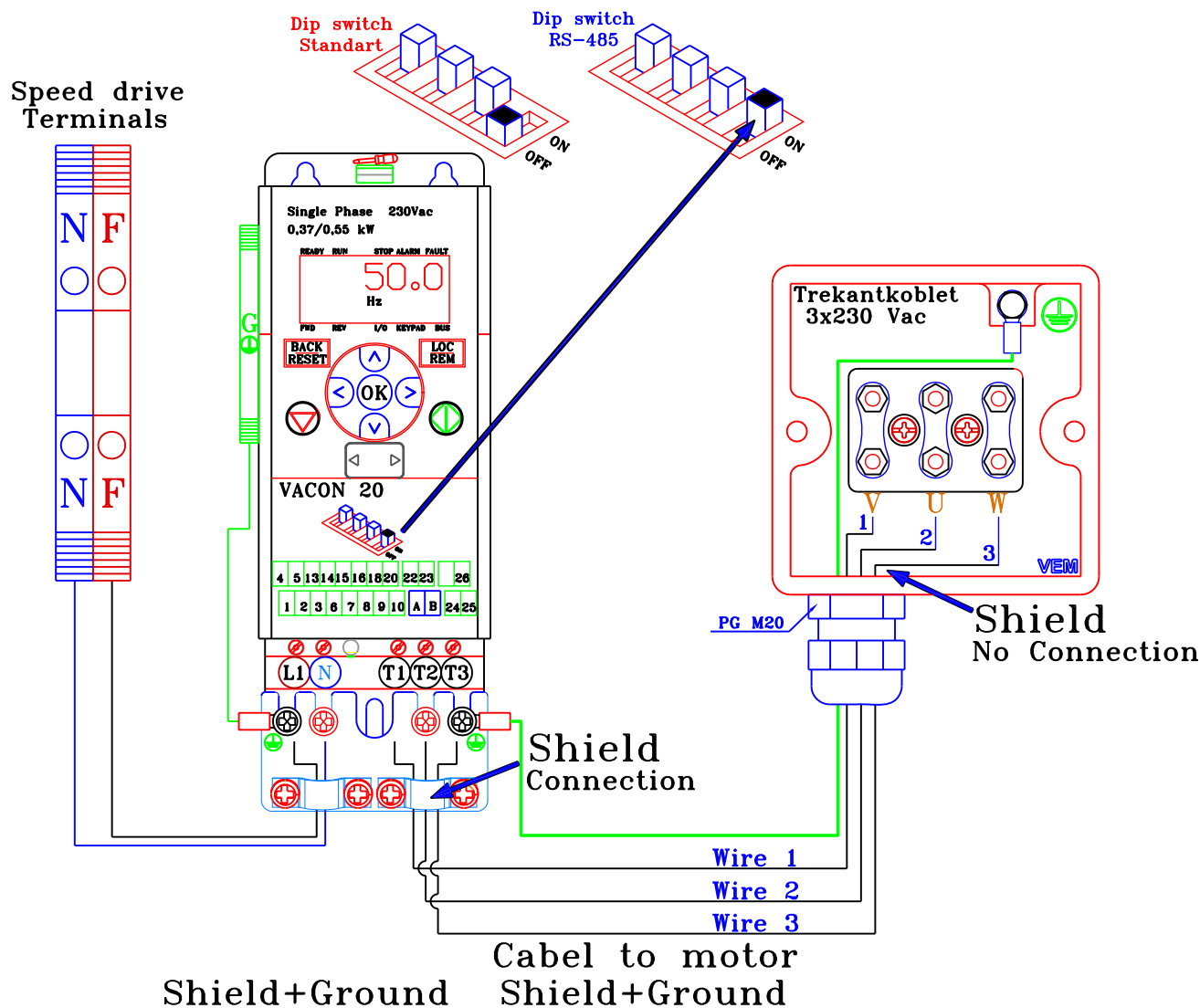
Wire list Encoder & to Display



X = Cabel from Display Box
12x0,75[□]

Single Phase 230 Vac

Motor 0,18 KW



230 Vac

Water Pump 30 L/min.

