

We pump. You work. In a better way.

Euromacchine
PUMPING INNOVATION

RIVERSCREEN

Dependable water supply, with complete self-cleaning operation



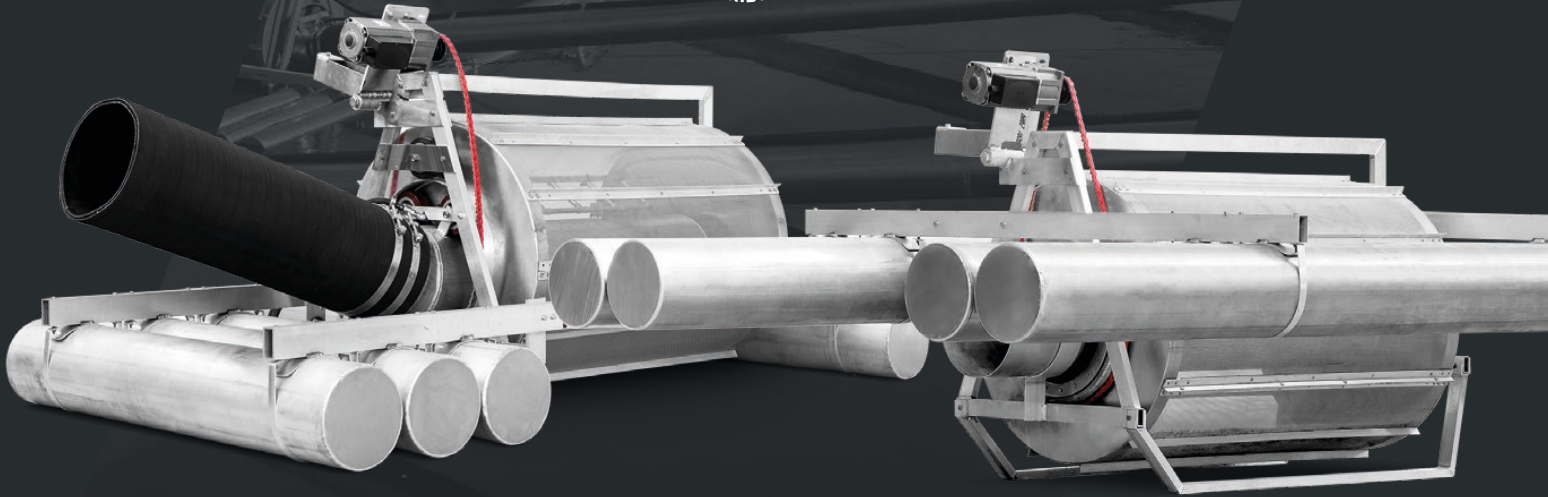
LEARN HOW TO FIX FILTRATION PROBLEMS
JOIN OUR FREE RIVERSCREEN WEBINAR



RIVERSCREEN™

DEPENDABLE WATER SUPPLY, WITH COMPLETE SELF-CLEANING OPERATION

INTERNATIONAL
RIVERSCREEN
DISTRIBUTOR



ELIMINATES DOWNTIME

- Vegetation, algae and mosses
- Debris
- Small solids



KEY HIGHLIGHTS

- Shallow water filtering
- Fish & wildlife friendly
- Easy assembly and low maintenance

A **rotating water-driven self-cleaning screen** that guarantees water quality from as little as **120 mm depth**. The ideal solution for the operation depending upon **river** or **canal** water sources for pivot irrigation systems. RIVERSCREEN is built for shallow water pumping, preventing **sand problems**.

Low maintenance operation. Standard on all Riverscreens is **#10 304 stainless steel mesh (up to 200)**. Riverscreen filter works great even in **livestock lagoons**.

TECHNICAL SPECS



MIN. WATER DEPTH
From 120 mm



PUMP FLOW RATE
From 40 to 2,000 m³/h



FILTRATION
From 8 to 200 mesh




SUCTION DIAMETER
From 4" to 12"

FEATURES

- ✓ High water filtration
- ✓ Prevent sand obstruction
- ✓ Slow moving currents
- ✓ Low-pressure nozzles
- ✓ Low maintenance operation

FEATURES




 **FLOW RATE**
Only 24 l/min

WATER DRIVEN POWERDRIVE

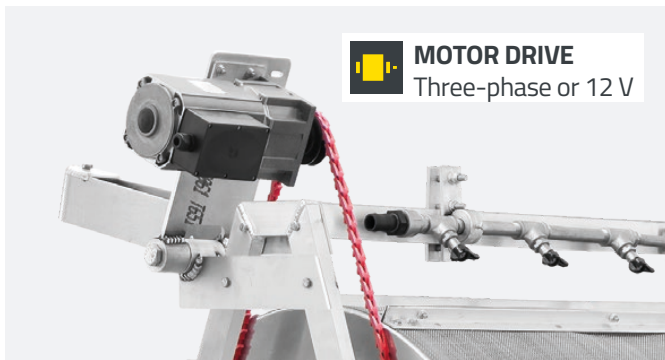
External water driven sprayers that clean and allow the screen to rotate.



 **FLOW RATE**
Only 20 l/min

SELF-CLEANING SPRAY BAR

Suitable to clean the screen.



 **MOTOR DRIVE**
Three-phase or 12 V

MOTOR DRIVE (OPT.)

To be used in case of very dirty waters or electric pumps.



FOOT VALVE

Foot Valve is used for backfilling your suction line to prime the pump.

PARTS

- 1 Motor drive (OPT)
- 2 Water driven PowerDrive
- 3 Screen drum (Special mesh available on gravity model)
- 4 Self-cleaning spray bar
- 5 Sturdy aluminium frame
- 6 Aluminium pontoons



RIVERSCREEN "STD" 6"

RIVERSCREEN "STD" STANDARD



RIVERSCREEN "STD" 8"

IDEAL APPLICATIONS

This model is used to filter water when irrigating with a standard machine.

- ✓ PIVOT Units
- ✓ HOSE REEL Machines
- ✓ FROST PROTECTION & DRIP IRRIGATION Systems
- ✓ MINING & CONSTRUCTION DEWATERING
- ✓ EMERGENCY Situations



MIN. WATER DEPTH
From 120 mm



FILTRATION
From 8 to 18 mesh

ACCESSORIES

 **MOTOR DRIVE**
OPTIONAL

 **FOOT VALVE**
INCLUDED

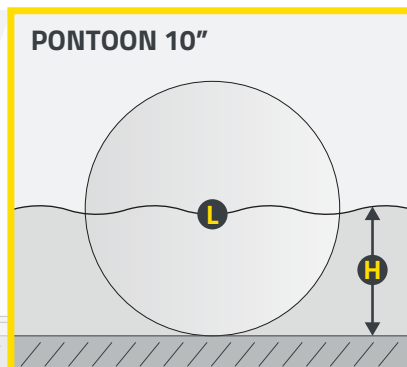
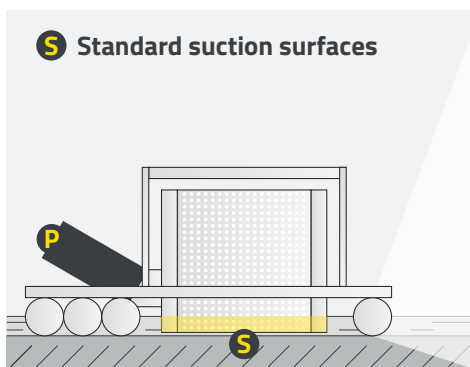
MODELS	MAX FLOW		PONTOON		
	Sizes [inch]	[l/min]	[m ³ /h]	N°	Ø [inch]
4"	1,000	60	3+1	6"	0.7
6"	3,000	180	3+1	10"	2.0
8"	4,750	285	3+1	10"	2.4
10"	9,500	570	3+1	10"	3.0
12"	15,000	900	4+1	10"	3.0



RIVERSCREEN "TND" 12"



POLYETHYLENE PONTOONS AVAILABLE



POSITION

- L** Riverscreen works properly when the pontoons are submerged by 50%.
- H** The optimal minimum water level for operation is 120 mm.
- P** All Riverscreen models are designed to support 9 m of aluminum suction line.

RIVERSCREEN "GRV" GRAVITY



RIVERSCREEN "GRV" 8"

IDEAL FOR DRIP IRRIGATION



IDEAL APPLICATIONS

It is used when a high water filtration is needed or with flooded suction applications.

- ✓ LINEAR Units
- ✓ FROST PROTECTION
- ✓ DRIP IRRIGATION System
- ✓ TRANSPORT WATER Solution
- ✓ FLOODED SUCTION Applications



MIN. WATER DEPTH
From 500 mm



FILTRATION
From 8 to 200 mesh

ACCESSORIES

 **MOTOR DRIVE**
INCLUDED

 **FOOT VALVE**
OPTIONAL

SUPER HIGH FILTRATION 200 MESH

Rivescreen with 200 mesh filters particles down to 74 µm, capturing even the finest particles to reduce clogging, extend component life, and ensure a constant, clean water flow.

IDEAL FOR DRIP IRRIGATION



50 MESH FILTER
Large particles such as coarse sand

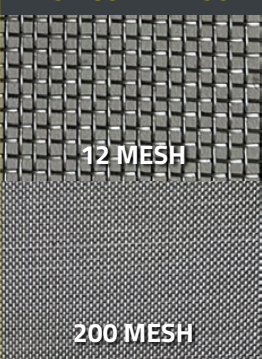


100 MESH FILTER
Medium particles, such as small debris and silt



200 MESH FILTER
Ultrafine particles, including dust and micro-sediments

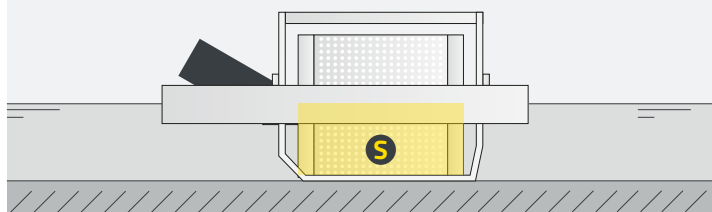
MESH COMPARISON



12 MESH

200 MESH

S High suction surface = high filtration



MODELS Sizes [inch]	MAX FLOW	
	12 mesh [m³/h]	200 mesh [m³/h]
4"	60	30
6"	180	90
8"	285	143
12"	900	450

RIVERSCREEN "LIN"

LINEAR



POLYETHYLENE DOCK FLOATS



RIVERSCREEN "LIN" 8"

IDEAL APPLICATION

✓ LINEAR Units

MODELS	MAX FLOW	
	Sizes [inch]	[l/min]
6"	3,000	180
8"	4,750	285
12"	15,000	900



MIN. WATER DEPTH
From 120 mm



FILTRATION
From 8 to 12 mesh

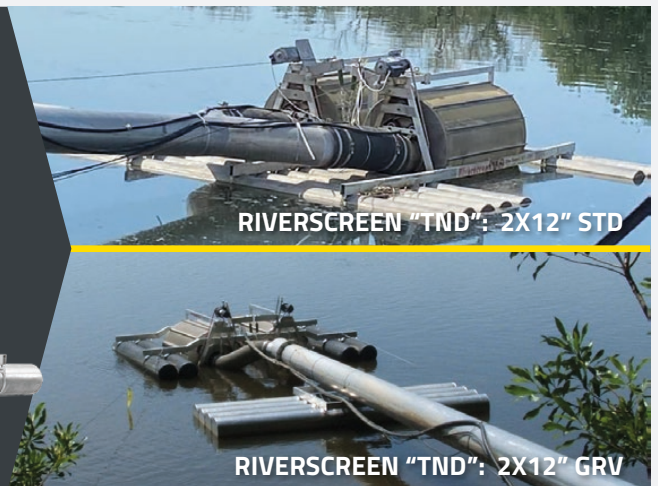
ACCESSORIES

 **MOTOR DRIVE INCLUDED**

 **FOOT VALVE INCLUDED (no 12")**

RIVERSCREEN "TND"

TANDEM



RIVERSCREEN "TND": 2X12" STD

RIVERSCREEN "TND": 2X12" GRV

IDEAL APPLICATION

✓ Huge flows

MODELS	MAX FLOW	
	Sizes [inch]	[l/min]
2 x 12" Standard	30,000	1,800
2 x 12" Gravity*	30,000	1,800

*Available with 200 mesh & 700 m³/h max flow

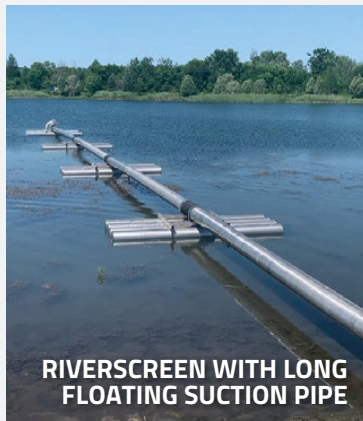


FILTRATION
From 8 to 18 mesh (standard)
From 8 to 200 mesh (Gravity)

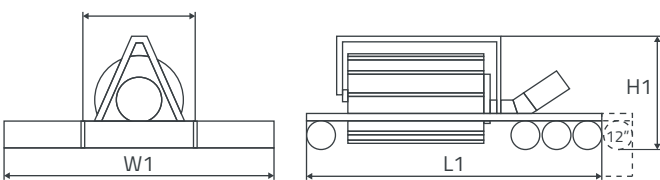
ACCESSORIES

 **MOTOR DRIVE INCLUDED**

 **FOOT VALVE OPTIONAL**

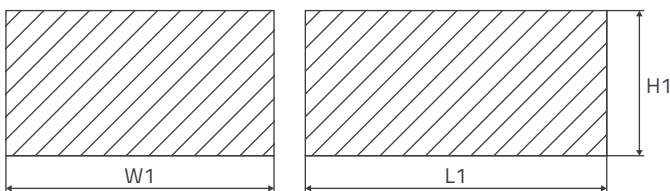


STANDARD RIVERSCREEN MEASUREMENTS



Sizes [inch]	L1 [mm]	W1 [mm]	H1 [mm]	Weight [Kg]
4"	1525	660	1075	50
6"	2337	1829	1075	84
8"	2667	2438	1075	105
10"	2667	3048	1075	120
12"	3000	3048	1075	130

TRANSPORT BOX



Sizes [inch]	L1 [mm]	W1 [mm]	H1 [mm]	Weight [Kg]
4"	1650	1100	650	100
6"	2150	1150	1200	140
8"	2500	1150	1200	190
10"	3075	1150	1200	220
12"	3075	1150	1200	220

CAIMANO

VERTICAL MOUNT CORNELL RIVERSCREEN



1

ALL IN ONE

ALL IN ONE

- Pumping Station
- Self-cleaning Filter
- Floating Unit



ULTIMATE SOLUTION

KEY HIGHLIGHTS

- Easy access & low maintenance
- Long run efficiency

An innovative **floating pump station** matched with a **Riverscreen** self-cleaning filter and a high efficiency **Cornell vertical electric motor pump unit**. Directly fed by the pumped liquid, it ensures an **immediate priming**. Lightweight thermoformed plastic pontoons provide flotation to the entire unit.

Caimano is the ideal solution that can be operated in a range of applications such as **reservoirs, rivers, streams, dams, canals, lagoons** and be successfully used on pumping systems including **drip irrigation, pivots overpumping** and where there is high suction lift and water level changes.

TECHNICAL SPECS**CAPACITY**Up to 1,300 m³/h**PRESSURE**

Up to 140 m

**FILTRATION**

From 8 to 200 mesh

**MIN. WATER DEPTH**

From 700 mm (29.5")

APPLICATIONS

MUNICIPAL



MINING



IRRIGATION

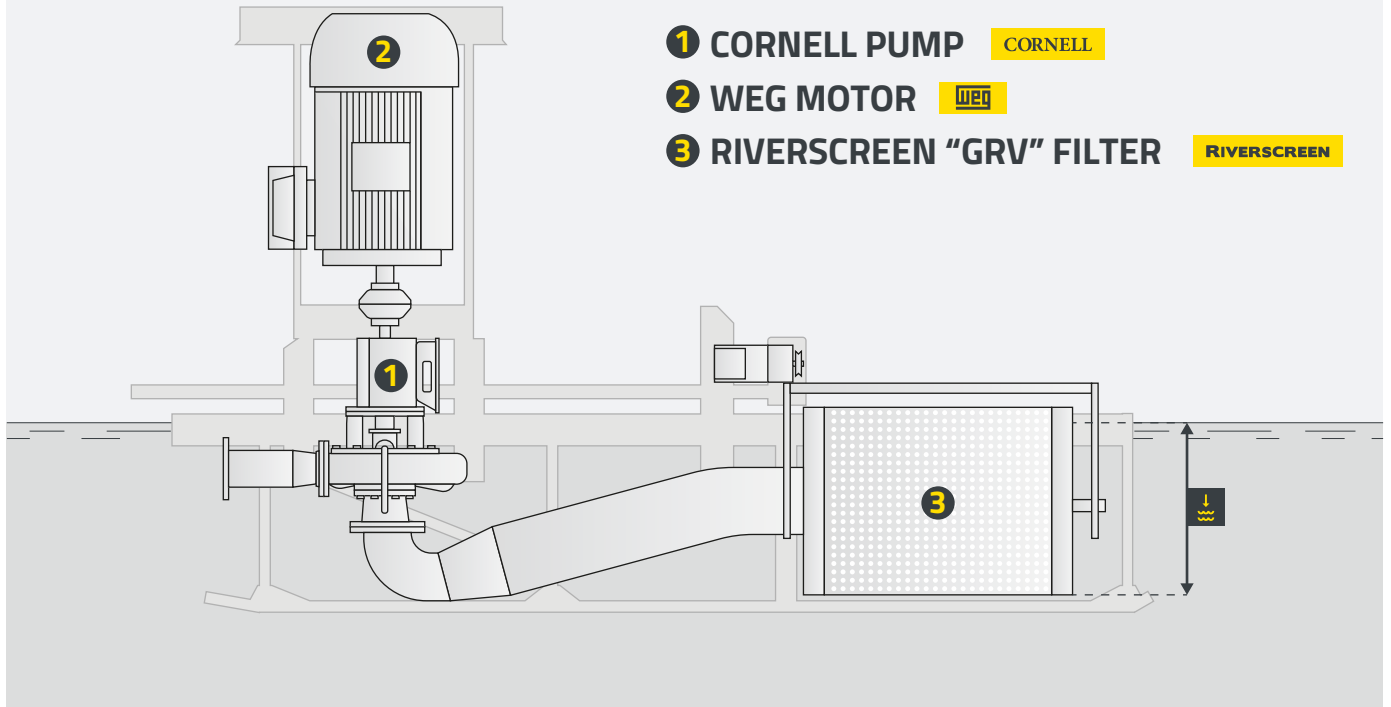


EMERGENCY



DEWATERING

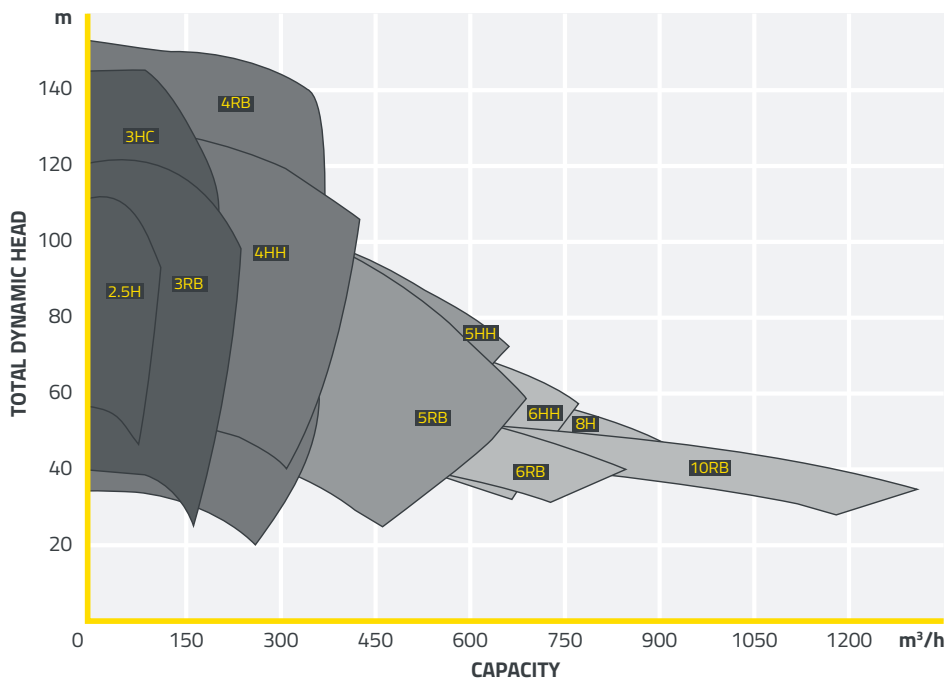
COMPOSITION



- 1 CORNELL PUMP **CORNELL**
- 2 WEG MOTOR **WEG**
- 3 RIVERSCREEN "GRV" FILTER **RIVERSCREEN**



CLEAR LIQUID PUMPS H - R SERIES



Features & Benefits

Cornell clear liquid pumps in Vertical position with WEG electric motor from 37 to 160 kW.

Available in RB and H Series.



CAPACITY
Up to 1,300 m³/h



PRESSURE
Up to 140 m



SOLIDS HANDLING
32 mm – 1.25"



FRANCE project

2 x 5HH + 132kW



CAPACITY
Up to 800 m³/h



PRESSURE
Up to 70 m



ROMANIA project

5 x 5HH + 110kW



CAPACITY
Up to 2,250 m³/h



PRESSURE
Up to 55 m

PRODUCT PORTFOLIO

IRRIGATION

DIESEL PUMP



ELECTRIC PUMP



COMBI



LAMPO AG

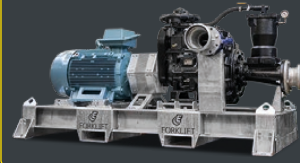


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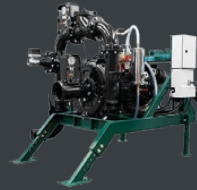
DIESEL PUMP



ELECTRIC PUMP



TRACTOR PUMPS



WATER TRANSFER

d-ARDITA



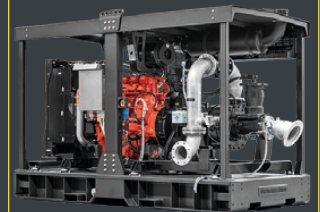
e-ARDITA



SELF-PRIMING WT



MINE



EMERGENCY

LAMPO EM

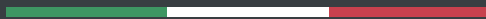


DIESEL PUMP EM





SELF-PRIMING EM





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