



REMOTE CONTROLLED DREDGES

DRAGFLOW
— — —
ULTIMATE EFFICIENCY

SUBMERSIBLE DREDGING PUMPS



CABLE DREDGERS



AMPHIBIOUS DREDGES



REMOTE CONTROLLED DREDGES



DRP: the remote controlled dredger efficient and safe

The remote-controlled dredges (DRP) are the ideal solution for dredging in particularly complex and hard to reach environments.

Extremely versatile, they can be used in many applications: from ports to quarries, from mines to industrial basins.

Thanks to the remote control, they can safeguard the operators' safety in case they work in the presence of acidic or corrosive substances, as often happens in the industrial or mining sector.

They can be transported and assembled more easily than larger dredges, with savings both in terms of time and startup costs.

In addition, the low draft and compact design allow access even in narrow and shallow basins, where it would not be possible to operate with larger dredgers.

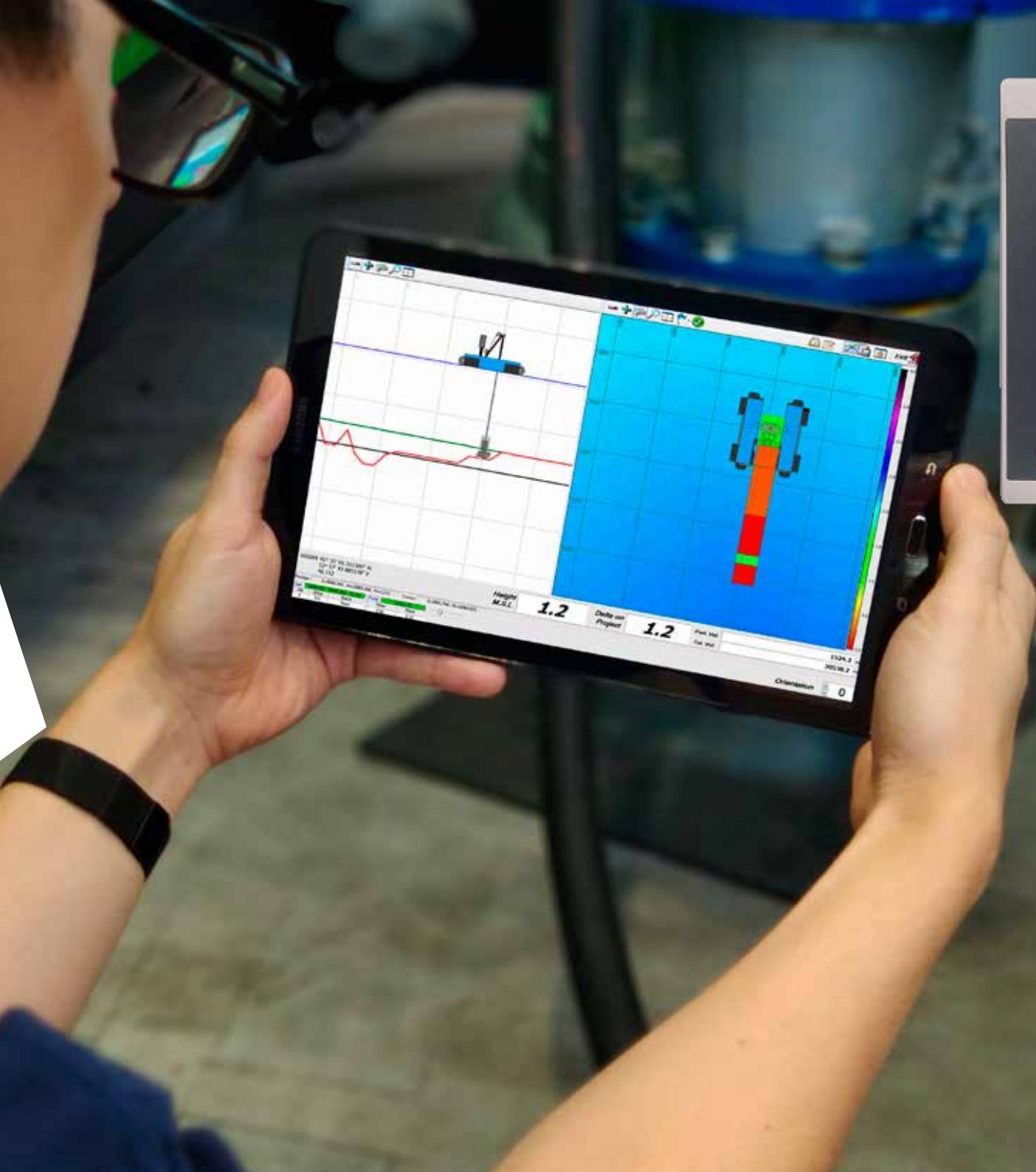
Small but powerful, DRPs are available in different versions: they can mount pumps of different power and be equipped with the most suitable accessories for the type of dredging required. Maximum production reaches 1000 cubic meters/hour.



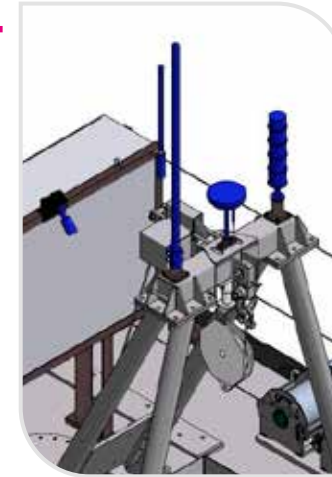
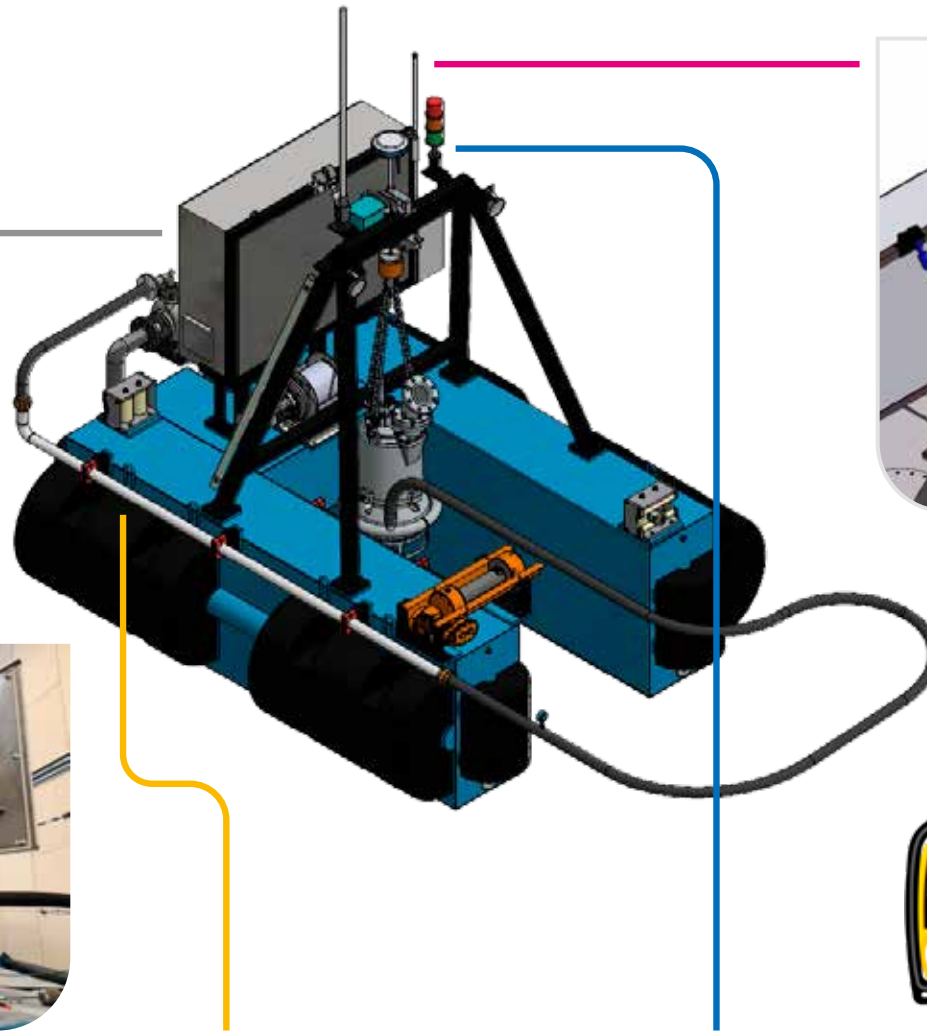


Main characteristics

- **Small dimensions:** easy to transport and put into operation, they are able to operate also in areas that would be difficult to access with larger dredgers. Thanks to the reduced draft they can easily work in shallow water.
- **High level of customization:** DRPs can be equipped with GPS, video cameras security, jet ring system, position lights and other accessories based on customer needs.
- **Easy to maneuver at a distance thanks to the remote control:** simple and intuitive controls allows to operate the dredger, the pump and the accessories.
- Ability to **automate pump movements and monitor job history** through one special control panel.
- **Advanced detection tools for measuring and maintaining performance:** turbidimeter, densimeter, control of the inclination of the pump, constant verification of the line voltage.
- **Remote assistance** to remotely carry out maintenance operations or changes to the settings of work.



DRP18



Electronic control equipment

- Light tower
- Antenna for long distance remote control signal
- GPS
- Security camera
- Echo Sounder



Remote control

- Turns pump and jet ring on/off
- Moves pump and dredge
- Emergency stop
- Display with working depth and power consumption



Electric control panel

Winches

- Used to move the dredge
- Synchronized movement

Electric hoist

- Precisely moves the pump
- Depth measuring pulley



HULL MAIN FEATURES

Lenght	3,5 m (11 ft 4 in.)
Width	2,8 m (9 ft. 10 in.)
Height	2,8 m (9 ft. 10 in.)
Weight	2 ton



TRANSPORTATION

Transportable in only one container open top 20'.
140 quintals capacity.



MODULAR DESIGN

Dimensions	2 floaters 3 x 0,5 x 1 m. With central platform.
Draft	60 cm

EQUIPMENT	STANDARD	FULL OPTIONAL
Winches for moving	✓	✓
Night time operating lights	✓	✓
Electric Hoist	✓	✓
Control Panel	✓	✓
Temperature Sensor	✓	✓
Pond Bottom Liner Protection	✓	✓
Digital Depth Gauge	✓	✓
Power Consumption	✓	✓
Dredge GPS System		✓
Helix Propeller		✓
Jet-Ring System		✓
Security camera		✓



WORKING CAPACITY

EL5	CAPACITY [m³/h-(gpm)]: 14(62)-38,5(170) HEAD [m (ft)] 12,5(41)-8(26) HOSE ADAPTOR DIAMETER: 80 mm MAX SOLID HANDLING: 20 mm
EL7,5	CAPACITY [m³/h-(gpm)]: 17,5(77)-45(200) HEAD [m (ft)] 16(52)-13,5(44) HOSE ADAPTOR DIAMETER: 100 mm MAX SOLID HANDLING: 25 mm
EL10	CAPACITY [m³/h-(gpm)]: 21(92)-49(215) HEAD [m (ft)] 22(72)-20(66) HOSE ADAPTOR DIAMETER: 100 mm MAX SOLID HANDLING: 25 mm
EL12,5	CAPACITY [m³/h-(gpm)]: 24(106)-64(282) HEAD [m (ft)] 24(106)-64(282) HOSE ADAPTOR DIAMETER: 100 mm MAX SOLID HANDLING: 25 mm
EL20	CAPACITY [m³/h-(gpm)]: 60-120 HEAD [m (ft)] 23(75)-19(62) HOSE ADAPTOR DIAMETER: 100 mm MAX SOLID HANDLING: 25 mm

For details of the S and SS versions, please refer to the pumps data sheets.

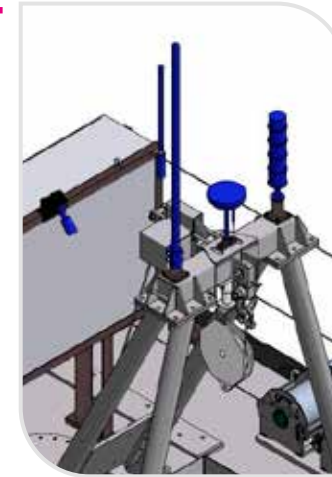
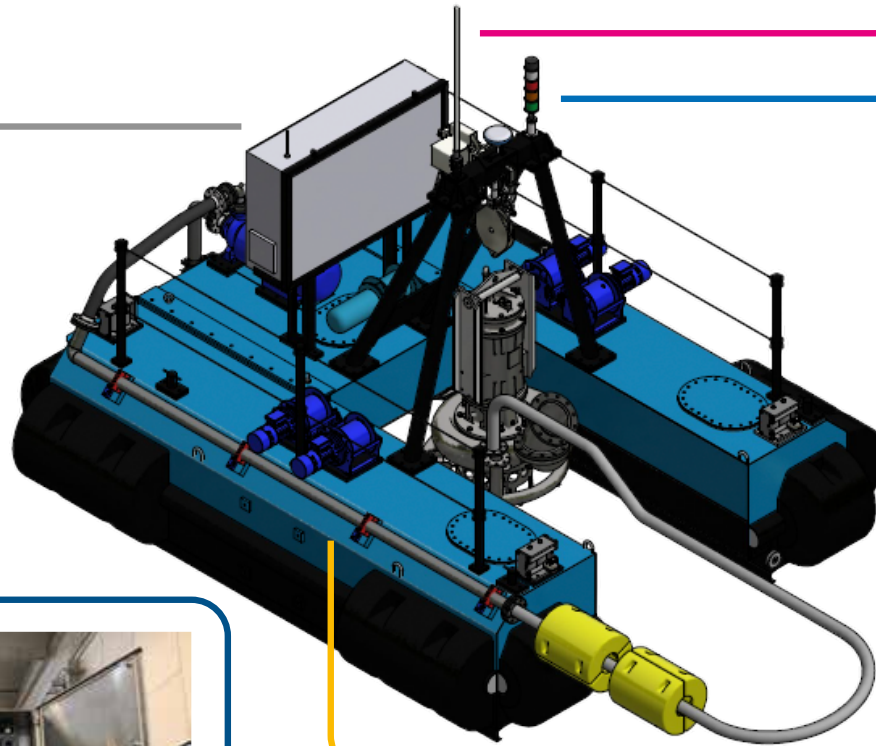


Jet ring system

- High pressure water jets used to rupture the material and have a higher solid concentration in the mixture.
- Water capacity: 20 m³/h
- Pressure: 6 bar – 7 bar
- Drive: Horizontal high pressure centrifugal pump
- Operation via radio control.

DRP18

DRP60



Electronic control equipment

- Light tower
- Antenna for long distance remote control signal
- GPS
- Security camera
- Echo Sounder



Remote control

- Turns pump and jet ring on/off
- Moves pump and dredge
- Emergency stop
- Display with working depth and power consumption



Electric control panel

Cooling Jacket System

- To cool the pump's electric motor

Winches

- Used to move the dredge
- Synchronized movement

Electric hoist

- Precisely moves the pump
- Depth measuring pulley



HULL MAIN FEATURES

Lenght	5,3 m (17 ft)
Width	4,3 m (14 ft)
Height	4 m (13 ft)
Weight	5,5 ton



TRANSPORTATION

Transportable in two container 40' open-top.
280 quintals capacity.



MODULAR DESIGN

Dimensions	2 floaters 4,5 x 1 x 1,2 m. With central platform.
Draft	50-60 cm

EQUIPMENT	STANDARD	FULL OPTIONAL
Winches for moving	✓	✓
Night time operating lights	✓	✓
Electric Hoist	✓	✓
Control Panel	✓	✓
Digital Depth Gauge	✓	✓
Power Consumption	✓	✓
Temperature Sensor		✓
Operator Cabin		✓
Dredge GPS System		✓
Pond Bottom Liner Protection		✓
Helix Propeller		✓
Jet-Ring System		✓
Security camera		✓



WORKING CAPACITY

EL60	CAPACITY [m³/h-(gpm)]: 150(660)-500(2200) HEAD [m (ft)]: 28(92)-25(82) DISCHARGE DIAMETER: DN150 MAX SOLID HANDLING: 60 mm
EL60HC	CAPACITY [m³/h-(gpm)]: 300(1320)-450 (2640) HEAD [m (ft)]: 16(53)-9(39) DISCHARGE DIAMETER: DN250 MAX SOLID HANDLING: 90 mm

For details of the S versions, please refer to the pumps data sheets.

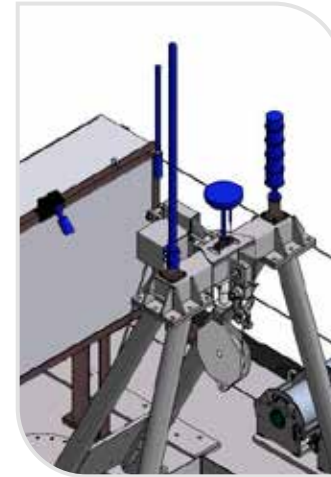
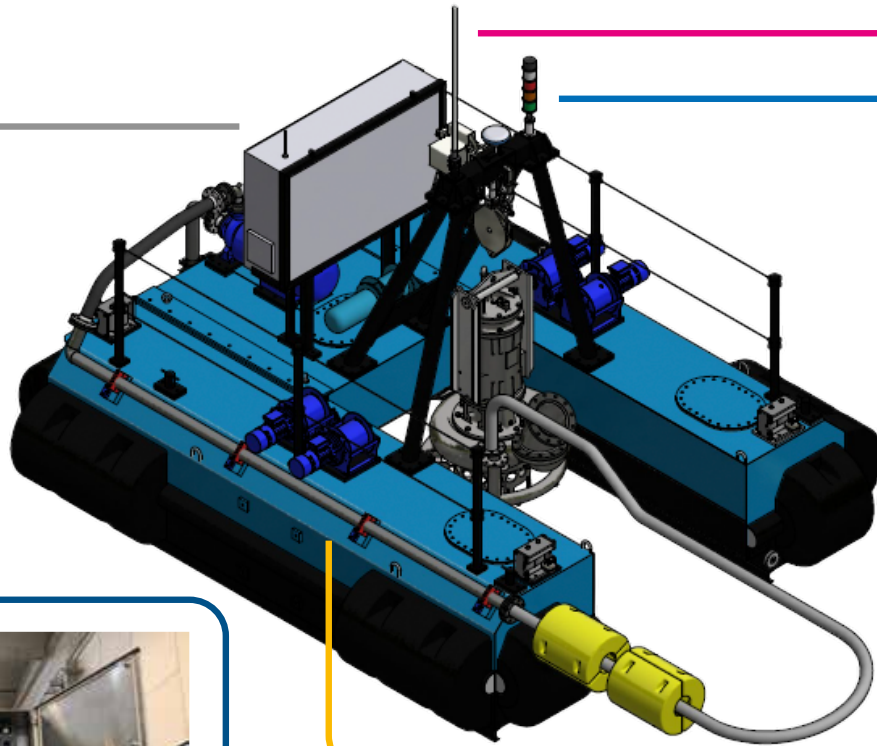


Jet ring system

- High pressure water jets used to rupture the material and have a higher solid concentration in the mixture.
- Water capacity: 60 m³/h
- Pressure: 6 bar – 7 bar
- Drive: Horizontal high pressure centrifugal pump
- Operation via radio control.

DRP60

DRP120



Electronic control equipment

- Light tower
- Antenna for long distance remote control signal
- GPS
- Security camera
- Echo Sounder



Remote control

- Turns pump and jet ring on/off
- Moves pump and dredge
- Emergency stop
- Display with working depth and power consumption



Electric control panel

Cooling Jacket System

- To cool the pump's electric motor

Winches

- Used to move the dredge
- Synchronized movement

Electric hoist

- Precisely moves the pump
- Depth measuring pulley



HULL MAIN FEATURES

Lenght	5,3 m (17 ft)
Width	4,3 m (14 ft)
Height	4 m (13 ft)
Weight	5,5 ton



TRANSPORTATION

Transportable in two container 40' open-top.
280 quintals capacity.



MODULAR DESIGN

Dimensions	2 floaters 4,5 x 1 x 1,2 m. With central platform.
Draft	50-60 cm

EQUIPMENT	STANDARD	FULL OPTIONAL
Winches for moving	✓	✓
Night time operating lights	✓	✓
Electric Hoist	✓	✓
Control Panel	✓	✓
Digital Depth Gauge	✓	✓
Power Consumption	✓	✓
Temperature Sensor		✓
Operator Cabin		✓
Dredge GPS System		✓
Pond Bottom Liner Protection		✓
Helix Propeller		✓
Jet-Ring System		✓
Security camera		✓



WORKING CAPACITY

EL1204	CAPACITY [m³/h-(gpm)]: 158(696)-300(1320) HEAD [m (ft)]: 46(202)-32(140) DISCHARGE DIAMETER: DN150/200 MAX SOLID HANDLING: 60 mm
EL1204HC	CAPACITY [m³/h-(gpm)]: 400(1760)-700 (3082) HEAD [m (ft)]: 23(75)-16 (52) DISCHARGE DIAMETER: DN250 MAX SOLID HANDLING: 90 mm
EL1204HH	CAPACITY [m³/h-(gpm)]: 120(528)-300(1320) HEAD [m (ft)]: 72(236)-42(137) DISCHARGE DIAMETER: DN100 MAX SOLID HANDLING: 35 mm

For further details please refer to the pumps data sheets.

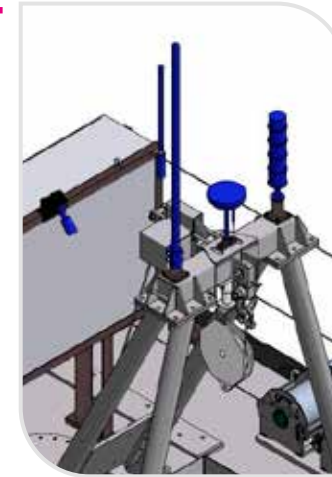
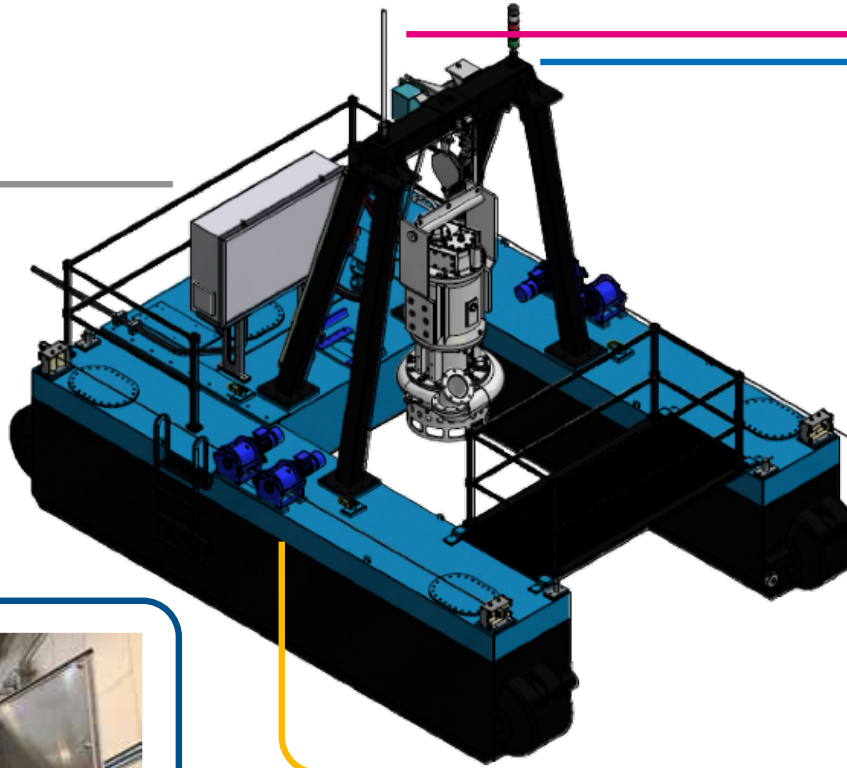


Jet ring system

- High pressure water jets used to rupture the material and have a higher solid concentration in the mixture.
- Water capacity: 60 m³/h
- Pressure: 6 bar – 7 bar
- Drive: Horizontal high pressure centrifugal pump
- Operation via radio control.

DRP120

DRP150



Electronic control equipment

- Light tower
- Antenna for long distance remote control signal
- GPS
- Security camera
- Echo Sounder



Remote control

- Turns pump and jet ring on/off
- Moves pump and dredge
- Emergency stop
- Display with working depth and power consumption



Electric control panel

Cooling Jacket System

- To cool the pump's electric motor

Winches

- Used to move the dredge
- Synchronized movement

Electric hoist

- Precisely moves the pump
- Depth measuring pulley



HULL MAIN FEATURES

Lenght 6,5 m (21,3 ft)
Width 4,5 m (14,7 ft)
Height 5 m (16,4 ft)
Weight 10 ton



TRANSPORTATION

Transportable in two container 40' open-top.
280 quintals capacity.



MODULAR DESIGN

Dimensions 2 floaters 6 x 1 x 1,5 m.
With central platform.
Draft 115 cm

EQUIPMENT	STANDARD	FULL OPTIONAL
Winches for moving	✓	✓
Night time operating lights	✓	✓
Electric Hoist	✓	✓
Control Panel	✓	✓
Digital Depth Gauge	✓	✓
Power Consumption	✓	✓
Temperature Sensor		✓
Operator Cabin		✓
Dredge GPS System		✓
Pond Bottom Liner Protection		✓
Helix Propeller		✓
Jet-Ring System		✓
Security camera		✓



WORKING CAPACITY

EL60* CAPACITY [m³/h-(gpm)]: 130(572)-260(1145)
HEAD [m (ft)] 28(92)-25(82)
DISCHARGE DIAMETER: DN150
MAX SOLID HANDLING: 60 mm

EL1204* CAPACITY [m³/h-(gpm)]: 158(696)-360(1585)
HEAD [m (ft)] 48(157)-40(131)
DISCHARGE DIAMETER: DN150
MAX SOLID HANDLING: 60 mm

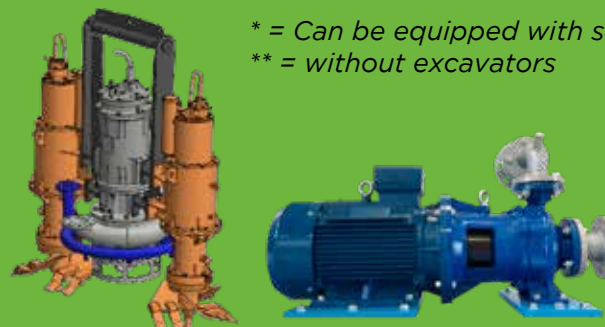
EL110** CAPACITY [m³/h-(gpm)]: 180(793)-420(1849)
HEAD [m (ft)] 34(112)-28(92)
DISCHARGE DIAMETER: DN200
MAX SOLID HANDLING: 60 mm

EL180** CAPACITY [m³/h-(gpm)]: 270(1189)-540(2378)
HEAD [m (ft)] 43(141)-33(108)
DISCHARGE DIAMETER: DN200
MAX SOLID HANDLING: 60 mm

EL150** CAPACITY [m³/h-(gpm)]: 280(1232)-640(2817)
HEAD [m (ft)] 27(88,5)-23(75,45)
DISCHARGE DIAMETER: DN250
MAX SOLID HANDLING: 120 mm

* = Can be equipped with side cutters

** = without excavators



Jet ring system

- High pressure water jets used to rupture the material and have a higher solid concentration in the mixture.
- Water capacity: 60 m³/h
- Pressure: 6 bar – 7 bar
- Drive: Horizontal high pressure centrifugal pump
- Operation via radio control.

DRP150

APPLICATIONS: DREDGING

SAND EXTRACTION

Siberia





APPLICATIONS: DREDGING

HARBOUR DREDGING
Italy

APPLICATIONS: MINING

**REMOVAL OF
SEDIMENTS IN A
COPPER MINE**
Chile





APPLICATIONS: MINING

**REMOVAL OF
SEDIMENTS IN A
GOLD MINE**
Turkey

APPLICATIONS: INDUSTRY

**DREDGING
OF THE BASIN
OF A PHOSPHATE
PLANT**
Morocco



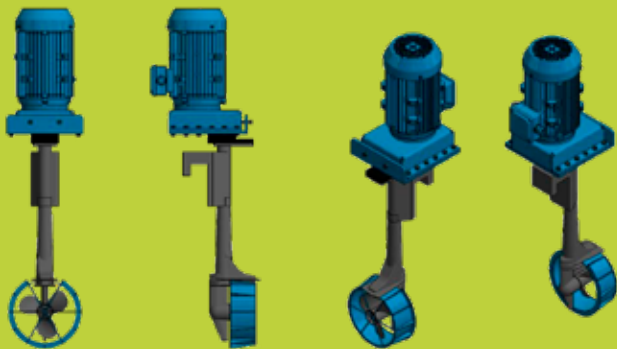


APPLICATIONS: INDUSTRY

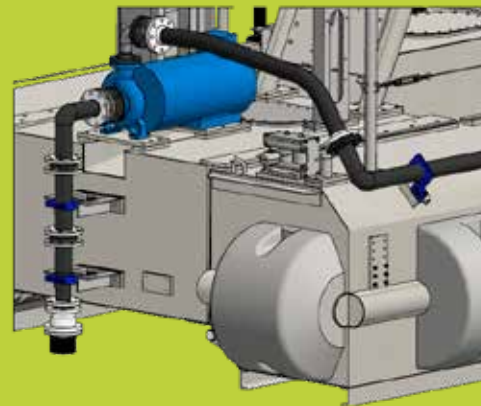
**DREDGING IN
THE BASIN OF AN
AGGREGATE PLANT**
Switzerland

Accessories

- Propeller
- Jet-Ring System
- GPS
- Echo sounder
- Bespoke personalization



Propeller



Jet-Ring System





Financing

We help our clients to find the economic resources to achieve their goals. The collaboration with SACE, a consolidated insurance group, allows us to offer particularly flexible and advantageous payment conditions to our customers.

Rental

DRAGFLOW equipment can be a valuable asset for rental companies. Acquiring a fleet of DRAGFLOW heavy duty pumps and dredgers allows to meet the needs of those who, for a limited period of time, need to use reliable and durable equipment.



Service

Test & Trial

Our dredgers and our systems are thoroughly tested and checked first of delivery. Thus, you avoid unpleasant surprises and save precious time.

Commissioning and start-up

One of the advantages of remote controlled dredgers is the startup speed. Our technicians will accompany you in the startup phase and you will receive all the training necessary to better manage the machinery.

Technical assistance and delivery of spare parts

Our after-sales team is in the field every day to ensure the correct operation of our products. Our customers know they can count on us for the maintenance of equipment and the rapid supply of spare parts.







Dragflow S.r.l.

Head Office

Via Paesa
46048 Roverbella (MN)
- Italy
tel. +39 0376 1685400
fax +39 0376 1685499
info@dragflow.it
www.dragflow.it



Dragflow



dragflowdredge



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dragflowdredge



DRAGFLOW S.r.l.



DRAGFLOW USA
1641, W Commerce Ct #151
Tucson, AZ 85746
T +1 520 697-4725
E info@dragflowusa.com
W dragflowusa.com