

# **Dragflow** *Highlights and performance of Dragflow products*

Verona - Italy

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**Dragflow Profile in Dredging** 

- Dragflow leads the industry into innovative systems' design, able to improve productivity and to minimize downtime.
- Our products are well-known for pumping large quantity of solids thanks to the agitator and the excavators, which put in suspension the material settled at the bottom.
- The excellent worldwide reputation of the trademark for many years has lead to the widening of the range of products offered to the market. Based on its long-term experience in submersible pumps, Dragflow has started to design and manufacture easy to assemble and transportable dredging units.
- The use of simple components means lower cost and easier maintenance, simplicity to repair possible breakdowns and lower prices of spare parts.
- As a result of flexibility of our equipment and modularity of its components, Dragflow can manufactures different types of dredges, to comply with the different client requests.
- Dragflow supplies dredges in accordance to the rules of the Italian Naval Registration (R.I.N.A.).

Profile





#### **Submersible Dredging Pumps**

- Electric and Hydraulic Pumps with agitator to prevents solids from blocking the pump inlet and mixing them with the liquid, creating a slurry that can easily be handled by the pump.
- Dragflow dredging pumps are designed to pump settled slurry, containing solids up to 120mm. (~5") diameter. Mixtures with solids concentration up to 70% by weight.
- They are suitable to handle high abrasive materials thanks to low rotation speed that decreases wear and tear to the parts subjected to abrasion.
- Wear parts: manufactured in Chrome Hard VI hardness 600/650 Brinell.
- Adjustable lower wear plate: in order to eventually reset the gap got with the impeller during operations.
- Easy inspection and maintenance.





### **Dragflow Electric - Hydraulic Pumps and Excavators**





#### Hydraulic Pumps

- Power: from 24 to 400 Horse Power
- Capacity: from 60 to 1200 m<sup>3</sup>/h
- Head: from 5 to 50 m
- Discharge distance: up to 1300 m
- Electric Pumps
  - Power: from 5 to 150 Horse
    Power
  - Capacity: from 30 to 1000 m<sup>3</sup>/h
  - Head: from 5 to 40 m
  - Discharge distance: up to 800 m



- Excavators
  - Power: from 11 to 30 Horse
    Power
  - Speed: from 30 to 50 r.p.m.
  - Oil: 35 / 46 / 58 L/min
  - Pressure: 250 bar

#### **Dragflow Dredges**

- Dragflow produces three different kind of dredges:
  - Dredges with hoist
  - Dredges with telescopic boom
  - Suction dredges with submersible pump







**Dragflow Dredge** 

- Dredges can be powered by dieses or electric engine
- Dredges design with maximum attention to technical details and customer needs
- Dredges are design to optimize performance based on clients working environments

# Distinguished Factors: Easy transportation and assembly

 Dragflow dredges are design to be easily transported (without exceptional transportation)

- Assembly operation takes as short as 5/6 hours
- Spins allows to build up the dredge without submersed work

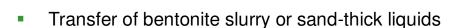








- Removal of silt build up at marinas, harbours, dock loading facilities
- Reclaiming of beaches
- Dredging **deep** deposits (up to 120m deep)
- River, lake and canal clean-out
- Dredging of aggregate for concrete mixing



- Pumping of marble dust and granite
- Removal of material from aggregate washing
- Suction of decanted material
- Dredging of mountain dams
- Removal of sand and gravel during push-pipe operations











Canada - Pumping Bitumen

















USA – Sand Extraction















South America - Mining







• Austria – Washing inerts









#### **Company profile and experience**

# Dragflow, **tailor made solution** for heavy duty jobs!





**Dragflow S.r.l**. was born at the end of the 80's as manufacturer of submersible pumps with agitator for **heavy duty** specifically designed for the treatment of slurry with a high content of abrasive solids. Thanks to the **passion and brilliance** of its team Dragflow has proved to be a certainty for clients operating in **extremely specialized sectors** who must face and solve very difficult applications.

**Dragflow** – Via Spagna 13 37069 Villafranca di Verona (VR) Italy - <u>www.dragflow.it</u> – info@dragflow.it © Dragflow 2009. All Rights Reserved.

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