



Dragflow

Highlights and performance of Dragflow products

Verona - Italy

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 led 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.)**.

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 m³/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 m³/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



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

Dragflow Dredge

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**



Application



- 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



- Transfer of bentonite slurry or sand-thick liquids
- 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



Application



- **Canada - Pumping Bitumen**



- **Italy - Dam dredging**



Application



- **USA – Sand Extraction**



- **Italy – Harbour Dredging**



Application



- **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 - www.dragflow.it – info@dragflow.it