



## 脉动式吸沫机 Pulsating Scum Aspirator



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## QXM型脉动式吸沫机 QXM Type Pulsating Scum Aspirator

### 应用范围 Application Scope

QXM型脉动式吸沫机可有效抽吸去除水面上的泡沫以及一般可破碎结渣等漂浮物，同时能通过旋转叶轮破碎混合后输向池底。目前主要应用于污水处理工艺中去除生物池水面上漂浮的泡沫状浮泥，防止浮泥在水面上聚积、干化结块，保持水面清洁，也可应用于其它类似泡沫状浮泥的场合。

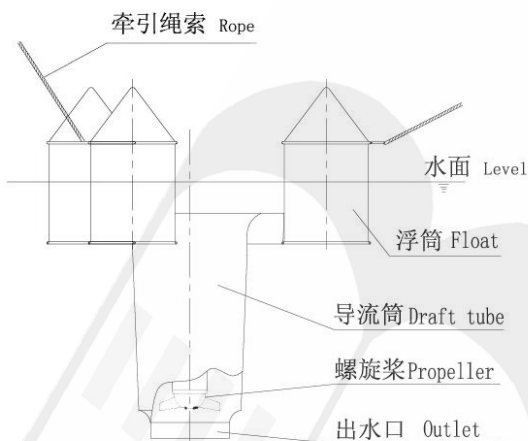
QXM Pulsating Scum Aspirator can effectively remove the foam on the water, and generally be broken slag and other floating debris, and broken through the rotating impeller mixed input to the bottom. Currently used in biological wastewater treatment process to remove the foam floating on water surface floating sludge, to prevent the accumulation of fluid mud in the water, dry caking, to keep the water clean, but also can be used in other similar situations to deal with floating debris .



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### 结构及原理 Structure and Feature

该机主要由浮筒、导流筒、潜水电机和螺旋桨等部件组成，见右图。导流筒借助浮筒的浮力呈垂直方向悬浮在水面下，吸口朝上，贴近水面，出水口向下。当电机驱动叶轮高速旋转时，导流筒吸口上方附近的浮泥连同水被吸入导流筒，在叶轮的作用下经破碎后从导流筒出口泵出，被送入水下。由于浮泥中的空穴被水填充后，其比重大于污水的比重，泵入水下后将不再上浮。



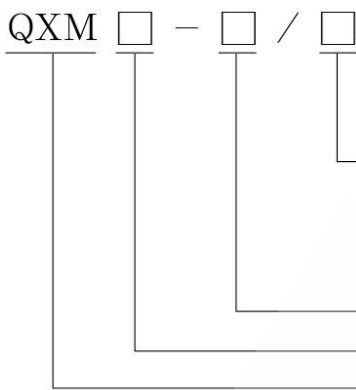
It consists of floats, draft tube, submersible motor and propeller and other components, see right. With draft tube was vertical buoyancy floats suspended in the water surface, suction up, close to the surface, the outlet down. When the motor-driven high-speed rotating impeller, the draft tube suction fluid mud near the top of the water is sucked together with the draft tube, under the action of the impeller draft tube by the broken exit from the pump, was admitted to the water. The fluid mud in the hole filled with water, its specific gravity is greater than the proportion of sewage, pumped into the water ceases to float.

本吸沫机有独特的优越性，工作时还作脉动升降运动，吸沫口可跃出水面捕捉泡沫和浮泥，有效破除轻质泡沫和块状浮泥在水面上形成的“搭桥”。由于吸沫口上方的水被抽走后可形成一定程度的液位差，从而使较远处的泡沫浮泥不断地流向吸沫口上方，达到清除整池水面泡沫浮泥的目的。

The advantages of Pulsating Scum Aspirator is working for pulse movement. The port can be out of the water absorption foam foam and mud to capture and effectively get rid of lightweight foam and floating sludge on the water block the formation of "bridge". Because the water is pumped above the entrance after a certain level of level difference, so that the other mud bubble constant flow to the entrance, to clear the whole pool of water bubble floating mud.



### 型号表示 Operation Feature



材质：C为普通型，采用碳钢材质+防腐漆；

S为防腐型，导流筒、浮筒为玻璃钢，其余为不锈钢

Material: C for the ordinary type, carbon steel + corrosion paint;

S for the anti-corrosion, draft tube, float is GRP, the rest is stainless steel

功率(kW) Power(kW)

吸口直径 (mm) Diameter of intake(mm)

脉动式吸沫机代号 Letter code of the Pulsating Scum Aspirator

### 性能参数 Performance Parameters

型号 Type	功率(kW) Power	电流(A) Current	吸口直径(mm) Diameter	吸入流量 Volume(L/s)	通过颗粒(mm) Diameter	重量 (kg) Weight
QXM400-0.37	0.37	1.12	400	15	15	90
QXM400-0.55	0.55	1.35	400	18	15	90
QXM620-0.85	0.85	3.2	620	24	20	110
QXM620-1.5	1.5	4	620	28	20	120
QXM740-2.2	2.2	5.9	740	36	25	145
QXM740-3	3	8.6	740	48	25	155



## 工作特点 Operation Feature

- \* 浮筒式安装 Float installation
- \* 脉动式工作 Pulse operation
- \* 自动化防堵 Automatically attempts to prevent
- \* 结构 紧凑 Compact structure
- \* 运行 可靠 Reliable operation



## 安装方式 Installation Modes

该机安装使用方便，可根据实际需要，确定设备工作时间和安装位置。使用时将吸沫机放置在浮泥聚集的区域，用三根绳索分别拴在三个浮筒的绳环上，将三根绳索分三个方向牵引并固定即可。

Machine easy to install, according to actual needs, determine the location of equipment and work time. Using foam suction machine when placed together in the mud area, Three were tied with rope rope in three ring buoys, fixed then.

