



## 带式收油机（动态斜面式收油机）

带式收油机主要由液压动力站、撇油头（主机）以及液压油管、输油管等组成。

该收油机主机通过斜向下的环形带，将水面的溢油压入水下，再在集油槽中浮出，从而聚集溢油，由泵抽走。斜向带一端在水面上部，另一端在集油槽的水面下部。由液压马达带动，从而源源不断地将与之相遇的溢油压入集油槽下面，再利用油比重小、浮力大的特点在集油槽中浮出。

动力站由柴油机或电机带动液压油泵和输油泵工作；主机由斜带辊组、集油槽、架体、浮体、液压油管、输油泵等组成；主机设在水面，动力站设在船上或岸上。

该产品不仅适用于港口码头、海湾、江河湖泊等半封闭水域，而且可适用于外海、沿海等开放性水域。

### 带式收油机特点：

- ◆ 回收溢油纯度高，可达 99%。
- ◆ 可以回收各种粘度的漂浮溢油。
- ◆ 不管较厚的溢油还是稀薄的油膜均可以高效回收。回收彻底率可达 99%，克服其他类型收油机不能回收稀薄油膜的弱点。
- ◆ 可配合围油栏进行扫油作业，前进速度可达 4Kn。
- ◆ 可在一定风浪、流速的情况下，正常工作。
- ◆ 操作容易方便，操作人员少，可满足快速应急反应要求。
- ◆ 维护保养容易，使用寿命长。
- ◆ 多功能收油机除了具备斜带收油机的特性外，还增加了回收漂浮垃圾和块状溢油的功能。





## INCLINED BELT OIL SKIMMER

The INCLINED BELT OIL SKIMMER is mainly composed of the hydraulic power station, skimming head (the main unit), the hydraulic oil hose, oil pipeline and other parts. It is not only suitable for harbors, wharfs, gulf, rivers, lakes and other semi-enclosed waters, but also for open seas, offshore and other open waters.

The main unit of the skimmer pushes the oil spills on the water surface down into the water through the loop-shaped tape which declines downward and then the oil rises up and floats in the oil collecting channel so that the oil spills are gathered and pumped away. One end of the belt is above the water surface while another is below the surface in the oil collecting channel. It is driven by the hydraulic motor and hence pressed the oil spills down to the bottom of the channel. The oil will rise up again and float in the oil collecting channel due to its specific gravity less than that of water.

The power station is driven by diesel engine or motor to drive hydraulic oil pump and oil delivery pump. The main unit is composed of inclined belt roller group, oil gathering tank, frame body, floating body, hydraulic oil pipe and oil pump. The main engine is set on the water surface, and the power station is set on the ship or on the shore.

## FEATURES OF INCLINED BELT OIL SKIMMER

- ◆ Oil spills can be recovered to a high purity, up to 99%.
- ◆ The floating oil spills with various viscosities can be recovered.
- ◆ It is easy to operate. Only a few operators are required. It can meet the requirements for rapid response to an emergency.
- ◆ Easier maintenance and long service life.
- ◆ Oil spills, thick or thin, can be recovered efficiently with the recovery rate up to 99%. It has overcome the shortcomings of other types of skimmers, which cannot recover these slicks.
- ◆ It can operate in conjunction with the containment boom for oil sweeping at a forward speed up to 4Kn.
- ◆ It can operate with certain stormy waves at a certain flowrate.
- ◆ In addition to the features of an inclined belt skimmer, the multi-function skimmer has the function of recovering floating wastes and spilled oil sludges.





技术参数: TECHNICAL PARAMETER

| 型号<br>Model  | SDWX-10 | SDWX-30 | SDWX-60 | SDWX-80 | SDWX-100 | SDWX-150 | SDWX-200 |
|--|---------|---------|---------|---------|----------|----------|----------|
| 项目 Parameter   |         |         |         |         |          |          |          |
| 最大收油率 (m <sup>3</sup> /h)<br>Max. Recovery Rate  | 10      | 30      | 40      | 80      | 100      | 150      | 200      |
| 工作压力 (MPa)<br>Working Pressure   | 3~6     | 5~6     | 5~6     | 5~8     | 5~10     | 8~10     | 8~10     |
| 驱动功率 (KW) ( 柴油机<br>或防爆电机 )<br>Driving Power (Diesel<br>Engine or Explosion<br>Proof Motor) | 6.3/4   | 14.5/11 | 32/15   | 32/18.5 | 32/22    | 32/30    | 56/45    |
| 适应浪高 (m)<br>Adapt to Wave Height   | 1.5     | 1.5     | 2       | 2.5     | 2.5      | 2.5      | 3        |
| 最大水流速度 (Kn)<br>Max. Resistance to<br>Current Speed   | 0.5     | 1       | 2       | 2       | 2.5      | 3        | 4        |
| 抽油泵扬程 (m)<br>Lift of Oil Suction<br>Pump   | 15      | 30      | 30      | 30      | 30       | 30       | 30       |
| 导流围油栏数量 (条)<br>Quantity of Diversion<br>Booms (Piece)                                      | 2       | 2       | 2       | 2       | 2        | 2        | 2        |
| 导流围油栏长度 (m)<br>Length of Diversion<br>Booms  | 6       | 6       | 10      | 10      | 10       | 10       | 10       |
| 悬臂长度 (m)<br>Length of Boom Arm   | 6       | 6       | 10      | 10      | 10       | 10       | 10       |

注: 产品不断改进, 若发生变化, 恕不另行通知, 以供需双方确认数据为准。

Note: The technical parameter is subject to change without notice due to modification to the product and shall be confirmed by the manufacture and the customer.

