



天河水务

## ZG型转鼓式格栅除污机

TYPE-ZG ROTATING DRUM GRATE CLEANER

### ● 用途 Applications

主要用于市政污水及工业废水处理工程中，去除水中的漂浮物，该机集截污、齿耙除渣、螺旋提升、压榨脱水四种功能于一体，是一种新型高效的格栅除污机。

Mainly used in the process of municipal sewage and industrial sewage disposals to get rid of the drifts, this machine combines blockading dirt, removing dregs, spiral lifting and compressing dewatering and is a new high efficient bar cleaner.

### ● 工作原理及构造 Working Principle and Strucure

ZG型转鼓式格栅设计精巧，结构紧凑，全部零部件均为不锈钢材质，无高速运动件。

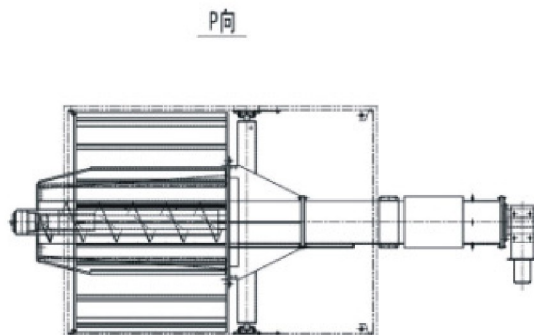
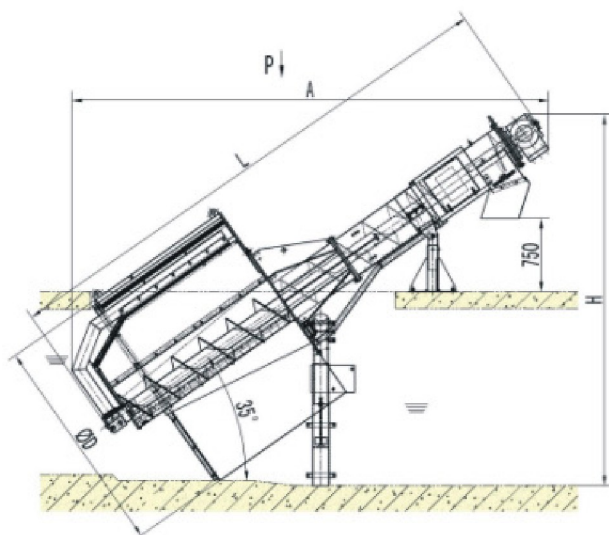
全自动控制，运转平稳，能源消耗低，噪音低，格栅栅缝小，仅1-5mm，借助流体导流，设备分离效率可达97%，整个设备的栅筛均可在设备运行过程中实现自清洗。砂石，碎渣及硬物无损设备，格栅永不堵塞。

该设备与水平面成35°角安装在水渠中，污水从转鼓的端头流入鼓中，通过转鼓侧面的栅缝流出，格栅将水中的悬浮物、飘浮物等截留在转鼓中，转鼓以4.6r/min的速度旋转，鼓的上方有尼龙刷和冲洗水喷嘴，将栅渣清除并通过螺旋输送、挤干，脱水，运至上端排料斗，经输送机运走。

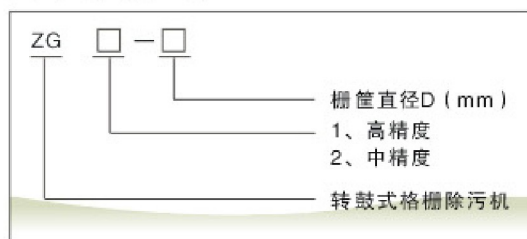
### ● 特点 Features

1. 清渣彻底，分离效率高。
2. 过滤面积大，水力损失小。
3. 集多种功能于一体，结构紧凑。
4. 全不锈钢结构，维护工作量小。
1. Thoroughly get rid of the dregs and high efficiency in separation.
2. Large filtering areas and a little hydraulic loss.
3. Compact size that combine multi-functions.
4. Whole stainless steel structures and less need for maintenance.

### ● 技术性能参数及外形尺寸表 Technical Parameters Shape and Size



### ● 型号示例 Type and Its Indication



ZG-drum grille design sophisticated, compact, all parts are made of stainless steel, no high-speed moving parts.

Automatic control, a smooth operation, low energy consumption, low noise, small slit grille gate, only 1-5mm, with fluid diversion, equipment separation efficiency up to 97%, the entire screen grid equipment can be found in the course of operation of equipment to achieve self-cleaning. Gravel ejects and nondestructive hardware equipment, never plug the grille.

Equipment and the plane into a 35° angle installed in the drains, sewage from the drum-first into drums, drum through the side gate linking outflow grid will be suspended solids in the water, such as floating objects remain in the drum, the drum to 4.6r/min speed rotating drum forever Nepal Long brush and rinse water nozzle, slag removal of a gate and through the spiral conveyor operation rinse, dehydration, transported to the top row hopper, a conveyor belt away.



## ZG<sub>1</sub>型性能参数 The Performance Parameters About Type ZG<sub>1</sub>

| 型号                    | 栅隙<br>(mm) | 过水流量<br>(m³/h) | 质量<br>(kg) | 电机功率<br>(kW) | 外形尺寸 (mm) |      |
|-----------------------|------------|----------------|------------|--------------|-----------|------|
|                       |            |                |            |              | L         | D    |
| ZG <sub>1</sub> -600  | 0.2-5      | 125            | 680        | 1.1          | 6000      | 600  |
| ZG <sub>1</sub> -800  |            | 220            | 880        |              |           | 800  |
| ZG <sub>1</sub> -1000 |            | 370            | 980        | 1.5          | 7000      | 1000 |
| ZG <sub>1</sub> -1200 |            | 510            | 1080       |              |           | 1200 |
| ZG <sub>1</sub> -1400 |            | 730            | 1680       | 2.2          | 8000      | 1400 |
| ZG <sub>1</sub> -1600 |            | 1010           | 2150       |              |           | 1600 |
| ZG <sub>1</sub> -1800 |            | 1340           | 2450       |              | 9000      | 1800 |
| ZG <sub>1</sub> -2000 |            | 1600           | 3650       |              |           | 2000 |
| ZG <sub>1</sub> -2200 |            | 2000           | 4100       | 3            | 10000     | 2200 |
| ZG <sub>1</sub> -2400 |            | 2400           | 4750       |              |           | 2400 |
| ZG <sub>1</sub> -2600 |            | 3000           | 6250       |              | 11000     | 2600 |
| ZG <sub>1</sub> -3000 |            | 3700           | 9250       |              |           | 3000 |

注：过水流量为2mm栅隙时的过水量。表中质量为5mm栅隙时质量。

## ZG<sub>2</sub>型性能参数 The Performance Parameters About Type ZG<sub>2</sub>

| 型号                    | 栅隙<br>( mm ) | 过水流量<br>( m³/h ) | 质量<br>( kg ) | 电机功率<br>( kW ) | 外形尺寸 ( mm ) |           |           |      |
|-----------------------|--------------|------------------|--------------|----------------|-------------|-----------|-----------|------|
|                       |              |                  |              |                | L           | A         | H         | D    |
| ZG <sub>2</sub> -600  | 5            | 145              | 1125         | 1.5            | 3000-7000   | 2600-6100 | 2000-4200 | 600  |
|                       | 10           | 185              |              |                |             |           |           |      |
| ZG <sub>2</sub> -800  | 5            | 290              | 1365         |                | 3500-7000   | 2600-6100 | 2000-4200 | 800  |
|                       | 10           | 380              |              |                |             |           |           |      |
| ZG <sub>2</sub> -1000 | 5            | 500              | 1650         | 3500-7000      | 3200-6200   | 2700-4600 | 1000      |      |
|                       | 10           | 630              |              |                |             |           |           |      |
| ZG <sub>2</sub> -1200 | 5            | 725              | 2000         | 2.2            | 3500-7000   | 3100-6200 | 2700-4600 | 1200 |
|                       | 10           | 930              |              |                |             |           |           |      |
| ZG <sub>2</sub> -1400 | 5            | 1300             | 2630         |                | 4000-8000   | 4000-7200 | 3400-4900 | 1400 |
|                       | 10           | 1750             |              |                |             |           |           |      |
| ZG <sub>2</sub> -1600 | 5            | 1830             | 2900         | 3              | 4500-8000   | 3900-7200 | 3400-4950 | 1600 |
|                       | 10           | 2200             |              |                |             |           |           |      |
| ZG <sub>2</sub> -1800 | 5            | 2430             | 3150         |                | 4500-8000   | 4000-7200 | 3500-5250 | 1800 |
|                       | 10           | 2920             |              |                |             |           |           |      |
| ZG <sub>2</sub> -2000 | 5            | 3400             | 4600         | 4              | 5000-9000   | 4400-8800 | 3800-6500 | 2000 |
|                       | 10           | 3850             |              |                |             |           |           |      |
| ZG <sub>2</sub> -2200 | 5            | 4270             | 5100         |                | 5000-9000   | 4400-8800 | 3900-6600 | 2200 |
|                       | 10           | 4800             |              |                |             |           |           |      |
| ZG <sub>2</sub> -2500 | 5            | 5350             | 5850         | 5.5            | 5500-9500   | 4800-9200 | 4400-6900 | 2500 |
|                       | 10           | 6030             |              |                |             |           |           |      |

注：1、并联机时过水流量按以上规格乘所并联的机数即可，“L”可根据需要加长。

2、整机就位安装时用M12或M16的膨胀螺栓在沟渠侧面、上面固定即可，无需预埋件。

## 订货说明 Requirements for Order

1. 注明过滤水量、栅框直径、栅片净距，并提供工艺及土建图。
2. 整机为不锈钢材质，若有特殊水质，请提供水质资料。

1. Specify filtering flow, grid frame diameter, the net distance between the rack panels and provide process and construction drawings.
2. The whole machine is made of stainless steel. If used to treat special water, please provide quality information about the water.