

Model CH Concrete Recycling Plant

OPERATION INSTRUCTION

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Attached:

Figure 1 、 Outline Dimension Diagram For Model CH Concrete Recycling Plant

Figure 2 、 Assembly Chart For Main Processor of Model CH Concrete Recycling Plant

Figure 3 、 Part Lubricating Chart For Model CH Concrete Recycling Plant

Figure 4 、 Circuit Diagram For Model CH Concrete Recycling Plant (Manual Control)

Figure 5 、 Site Fixed-up Schematic Diagram For Model CH Concrete Recycling Plant

Figure 6 、 Base Structure Chart For Model CH Concrete Recycling Plant

General

Accompanying the rapid developing of Chinese economy, national strength growing and people's living standard improvement, the building industry is developing fast and prosperously. However, a big pollution to the environment also appears here and there, a large amount of waste construction materials and waste water left at the construction site has become not only a waste of resource, but also an environmental pollution to the cities.

Wenzhou City Sentai Environmental Protection Equipment Co.,Ltd. Regards "To protect environment against pollution; to benefit future generations" as its duty, gather science R and D personnel to make a further research with the processes of separation and recycling for waste materials in many developed countries, adopts the advantages from all quarters, based on practice and improvements repeatedly, the company successfully designed the concrete recycling plant for recycling waste materials from construction industry.

In 1996, the company won National Practical New Type Patent Certificate (Patent No: ZL 96 2 11190.2); In 1999, it won the certificate for outstanding Science and Technology product which was issued by Science Association of Zhejiang province and in 2001, the product won gold prize at the Fifth National Environment Protection and the Seventh China Environment Protection Exhibition and it was put into the list of 2001 National key new products.

Compared with the same kind of product from abroad, it has such advantages:

Less investment, quick return, a quarter of the price of the imported equipment;

One-time separation and recycling for sand, stones and muddy water;

Small area occupied, fewer subsidiary equipments;

Easy to maintain and good after-sale service. It has passed the evaluation made by departments concerned and the quality of the product has come up to advanced domestic standards.

Sentai Company will always provide high-quality products and satisfied after-sale service to the customers.

I 、 Main Technical Parameters

MODEL	CH-80	CH100	CH125
Rotary Size of Separator(mm)	φ800x1700	φ1000x2000	φ1250x2420
Screening Capability(t/h)	10~20	20~30	30~40
Stone Size Screened(mm)	>φ5	>φ5	>φ5
Sand Size Screened(mm)	φ5<	φ5<	φ5<
General Power of Motor(Kw)	6	8	9.5
Motor of Stone Separator(Kw)	3	4	5.5
Motor of Sand Separator(Kw)	3	4	4
Weight of Main Body(Kg)	3500	4000	5500
External Dimension of Main Body(Length x Width x Height) (m)	4.8 x 1.43 x 2.17	6.10 x 1.60 x 2.50	7.5 x 2 x 3.05

II 、 Main Structure

This machine is consisted of separation system、 water supply system and electric control system. The separation system has two parts : Stones separation and Sand separation.

Separation system: It is the main part of the machine, it mainly consists of the feeding flume(accessory) stone separator、 sand separator、 frame and screen off-stone

system.

Water supply system: it mainly includes of submerged pump, sewage pump and spraying pipe.

Electric control system: It includes of electric control box(manual、automatic) and cable. It controls on and off action of motor and valve under the operation procedure.

III、 How to work

When the agitating lorry is driven onto the slope cleaning platform and cleaned with water, the waste materials from the agitating lorry are rushed into the feeding flume and come into the inlet of the Concrete Recycling Plant to get separated through rotating screen. The separated stones and sand will be carried out from different outlets. After precipitating for several times, the muddy water which overflows out will be taken back for recycling, to make zero drainage of waste water.

IV、 Operating Procedure

- 1、 Open up electric control cabinet door, and then switch on 3-phase control switch.
- 2、 Push down green power supply, set up delay time for the sewage pumps equipped on A、 B and C parking.
- 3、 Open the sewage pump equipped on the feeding flume; add up some water inside this machine; and close up the sewage pump equipped on the feeding flume and stop feeding water once some water overflows from the overflowing outlet.
- 4、 Push down the green sand separator button to start up the sand separator; and then push down the green stone separator button to start up the stone separator.
- 5、 After the agitating lorry arrives at specified place on the slope cleaning

platform, open the sewage pump equipped on the parking, and it will automatically stop adding up water once expiring the setup time; open the sewage pump equipped on the feeding flume and then make the agitating lorry feed into material towards feeding flume; close up the sewage pump equipped on the feeding flume after no residue exists inside the feeding flume.

6、After completion for daily work, firstly open the valve at the sewage outlet, and then empty water inside the machine, close up flushing ball valve equipped on the feeding flume ; you can flush sieve mesh and interior wall of the machine as long as pushing down green button equipped on the feeding flume; open access door mounted above the overflow outlet and turn about the handler equipped in stone-discharged system if any necessary flushing, so as to make roller of stone-discharge system of sieve mesh contact with sieve mesh and then switch on stone-discharge machine, thus it can make carpolite clipped sieve mesh pore removed, and then stop running stone-discharge machine; turn about the handler to make roller of stone-discharge system of sieve mesh leave away from sieve mesh; and after flushing, close up sewage valve and open flushing ball valve equipped on the slot to fill with full water in the machine so as to make continual after-work use, push down red button equipped on the feeding flume to stop feeding into water.

Switch-off procedure: sewage pump- stone separator- sand separator -power supply.

Consideration:

1. Turn about manual oil pump to inject oil once per 4h so as to assure that sealing end surface is under no lack of oil and make it no leakage from slurry.

2. Promptly clear up stones at the stone outlet and sand at the sand outlet so as not to block out outlet.

V、 Caution

(1)、 Before starting the machine, make sure there are no foreign matters on the mechanical operating parts, if there are, they should be removed in time.

(2)、 Water should be fully filled in the machine until the water overflows from the outlet, otherwise, it may affect the separating performance.

(3)、 Before the machine stops operation, the waste materials in the separator must be cleaned to prevent them from solidifying.

(4)、 When a large amount of concrete is being separated and recycled, it must be operated step by step when releasing the mixed material, Do not operate with over-amount to get a good performance.

(5)、 To ensure safety, the general power switch must be turned off when it stops operation.

VI、 Daily Maintenance

(1)、 Twice inject butter (00# calcium soap base grease) into sealing device below sand separator.

(2)、 Fill grease into the bearing seats on the both ends of the stone and sand separators once half a year.

(3)、 Often check and add grease to the chains of the separator.

(4)、 Often check and change the lubricating oil in the deceleration motor.