

Disc-Type Oil Skimmer

Maintenance & Cleaning Instructions

— 、 Weekly Maintenance

1. Disc Cleaning

- Inspect the disc surface for oil residues and contaminants. Remove oil residues with an air gun and wipe clean using a dry cloth.
- Fine residues may be rinsed off with clean water if necessary. Increase cleaning frequency based on actual operating conditions.

2. Separator Box Cleaning

- Remove floating debris and settled oil sludge inside the separator box.
- Refill with clean water until the water level is flush with the separator box.

3. Disc Operation Check

- If the disc does not rotate, check whether oil wipers or joints are obstructed by debris.

4. Motor Operation Inspection

- As the motor operates continuously, check for abnormal noise or vibration.

— 、 Monthly Maintenance

1. Oil Scraper Inspection

- If oil removal efficiency decreases, check whether the oil scraper is in close contact with the disc. Replace the oil scraper if gaps are found.

2. Oil Drain & Pipeline Cleaning

- Clean the oil drain hole using a round brush or small cleaning brush.
- Flush the discharge pipeline with clean water to prevent clogging.

3. Motor & Electrical Inspection

- Ensure the motor operates properly and electrical wiring is secure and undamaged.
- Prevent oil or debris from entering the motor to avoid damage.

4. Tank & Disc Deep Cleaning

- Manually clean the tank if excessive contaminants are present.
- If oil residues on the disc surface have hardened, soak the disc in a neutral or mildly alkaline degreasing agent for approximately 10–30 minutes, then rinse thoroughly with clean water to ensure continuous and proper operation of the equipment.

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☰ 、 Safety Precautions

- **Always stop the machine before performing maintenance or cleaning.**
- The machine body may be rinsed with clean water.
- **Do not allow water to enter the motor**, as it may cause short circuits or damage.
- If the machine will be shut down for an extended period :
 1. Drain all filtered water
 2. Wipe the disc surface dry
 3. Perform a test run before restarting

⚠ Caution :

Do not use steel or wire brushes to clean oil wiper gaps, as this may reduce the disc's oil-attraction performance.

☒ 、 Consumables & Spare Parts

The following parts are consumables or wear items and should be replaced if damaged :

1. Oil Scraper
2. Plastic Oil Hose
3. Motor & Gear Reducer (Reduction Ratio 180:1)
4. Power Switch
5. Oil Box (Plastic)

For repair or spare parts, please contact:
Armorway Precision Co., Ltd.

