

HYUNDAI INDUSTRY

OPERATION AND MAINTENANCE MANUAL

88-5 ANGOK RO , KIMHAE SI , SOUTH KOREA

TEL:+82 55 909 8236 FAX:+82 55 909 8237

e-mail:yunchangsu@naver.com



CONTENTS

1. GENERAL MAINTENANCE PROCEDURES
2. GENERAL CLEANING OF SCREENED UNITS &
CLEANING THE CISTERN
3. INSPECTION OF WATER QUALITY
4. INSPECTION OF THERMAL INSULATION
5. GENERAL SURVEY OF ALL CONNECTIONS &
SUPPORTS

1. General Maintenance Procedure

- A. Cistern shall be inspected from time to time to ensure that overflow and warning pipes are clear from blockage. That covers are adequate and securely fixed and that there are no signs of leakage or deterioration likely to result in leakage.
- B. Cisterns storing more than 1 m³ of portable water shall be inspected at least once every six months, those storing less than 1 m³ portable water at least once every year.
- C. These should be recorded within your operations booklet in the relevant section.
- D. Full list of approved cleaning and chlorinating companies are available upon request in line with our warranty procedure from our after sales department.

2. General Cleaning of Screened Units & Cisterns

- A. Cisterns are a weak point in the prevention of contamination of water distribution systems and therefore require particular attention. Overflow and warning pipes should be checked from time to time to ensure that they comply with regulations.
- B. All foreign bodies removed from the cisterns and if they are of a contaminating character, the cistern should be emptied cleansed, disinfected and the system flushed out to remove debris etc... The source of such contaminating matter should be identified and removed. Where water has been stored in an inadequately protected cistern, a water analysis should be considered and adequate protection installed.

3. General Inspection of Water Quality

- A. It is recommended within the Korean standard KS F 4811 or BS 280:2001 that the water quality be checked every 6 month and records kept within your Maintenance Book.
- B. It is also recommended that temperature readings are also logged with your maintenance book.
- C. In partition type cistern installations a check should be made for stagnant water usually evidence by taste, ordure and dusty surface. If stagnant water is discovered the cistern should be flushed out and the inlet and outlet connections re arranged so that the flow is sequential and the problem does not re occur.
- D. Also check if the inlet and outlet are on the same. If this is the case your cistern will only be using 50% of water stored and eventual stagnation will occur.
- E. During the cleaning and chlorination of a tank with a divider installed either centrally or of offset. We strongly recommend that the water level is reduced on the opposite side to the one that is being chlorinated. This will therefore alleviate any damage to the dividing wall.

4. General Inspection of Thermal Insulation

- A. It is recommended that your tank insulation is examined every 12 months for any damage preferably.
- B. If your tank is situated externally and open to the elements then this procedure should be enhanced to 6 month inspection.

5. General Inspection of Connection & Pipework

- A. The condition of bearers, pipe work, supports, outlets and all associated structures should be checked for damage or decay. If replacements are required please contact out technical support team for assistance.
- B. If any part of the installation becomes redundant and in particular if any appliance of fitting is disconnected, other than for purposes of repair, maintenance or renewal, then all pipe work supplying water to the disconnected or unused appliance or fitting should also be disconnected
- C. All inspections should be recorded within your operations booklet and any new equipment should be added to the equipment.
- D. Any special level monitoring equipment should be maintained via your pump manufacturer.

6. General Spares

For general spares & replacement products please contact below.

HYUNDAI INDUSTRY

88-5 angokro kimhae si , south korea

TEL : +82 55 909 8236

FAX : +82 55 909 8237

E-mail : yunchangsu@naver.com