

INSTRUCTIONS FOR CLEANING THE HYDRAULIC PIPES

Before the system is put into operation, must be cleaned perfectly pipelines and the reservoirs. The galvanized pipes must not treat in accordance with the following instructions:

- 1.- Remove the grease carefully.
- 2.- Rinse with water.
- 3.- Put them in a bath of sulphuric acid 10-15% to 50-60°C for 1-1,5 hours. The exact time will be determined through a test bath with an elbow hot pipe bending.
- 4.- Neutralise with water whose value exceeds ph 7 and is preferably between 9 and 10. Immerse twice pipes in the bathroom neutralized.
- 5.- The above procedure can be eliminated if the shipyard uses pipes specially designed tools for bending when cold. In some cases, however, it is impossible to eliminate treating head, for example when mounted flanges welded. Instead of bathing, joints by welding flanges, must be carefully coated the inside and outside.

Prior to filling the system with oil, the facility must be verified by an inspector from KaMeWa.