

# Instructions for maintenance

We recommend, in addition to our instructions for maintenance, to consider carefully the demands of EN 1176-7

**K&K**  
**0-33155-502 Pump house**



**Please note:**

Installation of the water pump to a pressure water pipe requires a K & K Valve combination (product no. 0 33190 000). In addition note the skeleton data specified in the installation instructions (distance, diameter of pipes, etc.); receivable on request at K & K, or directly as PDF from our Web site at [www.kaiser-kuehne-play.com](http://www.kaiser-kuehne-play.com)

Recommendations about regular maintenance		1 x weekly	2 x monthly	1 x monthly	4 x yearly	2 x yearly	1 x yearly
<input checked="" type="checkbox"/>	Check cleanliness of play- and safety area, take out alien elements	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	Check stability of vertical posts, tighten bolt-connections if necessary	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	Check other component elements for wear and tight connections, tighten connections and replace defective elements if necessary	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	Check bearings and/or joints for tight fixing and easy-runningfunction, replace an grease if necessary	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	In case of dry shakes remove splinters and chamfer edges	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	Check foundation, foundation anchoring and whole construction for corrosion or decay, repair or replace if necessary.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	Please check valve combination for closeness and proper function: easy pumping, independent break of valve after pumping	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	Valve combination must never be in or under water. Thus: Please check if due to e.g. rainfall water level in dug well has risen in a way that valve combination is in or under water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Winter season handling: If the valve combination (including fine filter) is providing in a non frost-proof area, complete valve combination must be dismantled, drained and stored. If the valve combination (including fine filter) is sitting in a frost-proof area, it can still remain into the stack during winter months after draining. Because of the danger of destruction by frost, pump head has to be dismantled and stored in any case during the winter months. We deliver a metal flange ("hibernation-plate") made of stainless steel and corresponding bolts M8 to cover the pump pillar (after dismantling the pump top). If this does not happen, respectively otherwise (such as chaining of handle or similar) then K&K does warrenty shall be void for the caused damage. The draining of valve combination, fine filter and pump should occur following steps:**

- **Unscrew black plugs of the valve combination (total 3) .**
- **Unscrew pump head and remove**
- **Remove the nose-dip-valve from the sealing (the valve, which is visible into pump column after removing the pump head )**
- **Standing water in the line between pump and valve combination now runs out of the opened drain holes by oneself, shown in point 1.**
- **Turn in the black plugs back into the drain holes, as soon as all water completely is leaked from the line and reinsert nose-dip-valve to the sealing seat**
- **Mount hibernation plate ontop of the remaining pump column; store the pump head.**
- **Drain the fine filter. The new comissioning in spring should occur following steps:**
- **Dismantle the hibernation plate of pump column**
- **Insert the pump head and screw down**
- **Fill pump head : press uncovered valve body at vacuum valve until water runs out of the pump.**

**For complete maintenance instructions please request our detailed information under telephone 0049/4254/9315-0!**

Please note: The mentioned maintainance intervals are a recommendation only. They have to be adjusted to the needs and circumstances of a certain playground (e.g.due to the frequency of use, social facilities and vandalism problems etc.)