

# Instructions for maintenance

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



## 0-33130-001 K&K Water pump

### Recommendations about regular maintenance

Recommendations	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-running function	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> Check foundation, foundation anchoring and whole construction for corrosion, repair or replace if necessary.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

### Winter season handling

Provided that the valve combination and the fine filter are not in a freeze safe area the complete valve combination with the fine filter has to be dismantled, drain and store.

On condition that the valve combination and the fine filter are in a freeze safe area during winter season, we strongly recommend to dewater of valve combination, fine filter and water pump with following steps:

1. Screw out black stopples (3 pcs. in total) at valve combination
2. Unscrew pump top and take it off
3. Remove nose dip valve (= valve that becomes apparent after pump top has been taken off) off the seal seat
4. Water in pipes between water pump and valve combination now flows out automatically out of stopple openings mentioned above (see 1.)
5. Screw in black stopples (3 pcs. in total) into openings at valve combination as soon as all water has gone out; set in nose dip valve into its seal seat
6. Screw up winter plate onto remaining water pump pillar; store water pump top

### For initiation of water pump in spring time please follow these steps:

1. Unscrew and remove winter plate from water pump pillar
2. Set water pump top onto water pump pillar and fix screws
3. Fill in water by pushing down valve body of negative pressure valve (=second part of valve combination considering water flow direction, i.e. valve without manometer) until water comes out of delivery pipe of water pump

### Please note:

The mentioned maintenance 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.)