kb90 preventative maintenance summary (pm kits are available)

3/9 month maintenance

Check portafilter baskets and springs. Replace if necessary
Confirm auto flush system is functioning
Check straight-in piston for leaks under pressure.
Rebuild piston if necessary
Replace diffuser screens (A.5.095)
Inspect drain system
Test all buttons for proper operation
Test flow meter resistance (2.2kΩ +/- 10%)
Check brewing pressure
Check expansion valve operation
Test flow-rate of each group (ml/30 sec)
Check steam valves for proper operation
Check fittings and valves for leaks
Clean auto-fill probe
Check vacuum breakers

If ABR:
Confirm scale accuracy with 100g weight. Calibrate scales if necessary
Confirm portafilter weight within +/- 0.05 grams

6 month maintenance (in addition to the above)

Rebuild steam valves (1206)
Replace group gaskets and bumpers (1207)
Inspect group cap micro switches

12 month maintenance (in addition to the above)

Inspect electrical wiring
Replace safety valve (B.2.024)+(L180)
Replace vacuum breakers (B.2.029) + (L100)
Replace expansion valve (L140/C)
Replace bushings (if present) on straight-in lock system (F.8.016)

check water quality (sample of water must be taken at the pump)

<table>
<thead>
<tr>
<th>value</th>
<th>min</th>
<th>max</th>
<th>pre</th>
<th>post</th>
<th>value</th>
<th>min</th>
<th>max</th>
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<tbody>
<tr>
<td>T.D.S ppm</td>
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<td>Total Chlorine ppm</td>
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<td>Total Hardness ppm</td>
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<td>pH</td>
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<tr>
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<tr>
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<td></td>
<td></td>
<td>Chloride ppm</td>
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<td>30</td>
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