

**RECOMMENDED BOILER WATER CONTROL RANGES  
FOR PARKER STEAM BOILERS**

DATE OF ANALYSIS	SAMPLE DATE	ANALYSES RECORD					
		RAW H <sub>2</sub> O	SOFT H <sub>2</sub> O (i.e. Feed Water)	CONDENSATE RETURN WATER	CONDENSATE RETURN TEMP °F	BOILER 1 H <sub>2</sub> O	BOILER 2 H <sub>2</sub> O
<b>RECOMMENDED RANGES/RECOMMENDATIONS - BOILER</b>							
<b>1. SOFT WATER HARDNESS CaCO<sub>3</sub>: 0.0 GPG to 1.0 GPG</b>							
◆ When Hardness Exceeds 1.0 GPG Regenerate Softener							
<b>2. BOILER WATER pH: 10.0 to 11.5 pH</b>				8.2-8.8			
◆ When Less 10.0 - Increase Treatment Dosage							
◆ When More 11.5 - Decrease Treatment Dosage							
<b>3. BOILER WATER SODIUM SULFITE SO<sub>3</sub>: 40 to 100 PPM</b>							
◆ When Less 40 PPM - Increase Oxygen Scavenger							
◆ When More 100 PPM - Decrease Oxygen Scavenger							
<b>4. BOILER WATER ALKALINITY – AS P/ALKALINITY TO PHENOLPHTHELEN AS CaCO<sub>3</sub> 200 to 400 PPM</b>							
◆ When over 400 PPM – Reduce Treatment Dosage							
<b>5. BOILER WATER TOTAL ALKALINITY: AS M/ALKALINITY TO MENTHYL ORANGE AS CaCO<sub>3</sub> 300 to 800 PPM</b>							
◆ When Over 800 PPM - Reduce Treatment Dosage							
<b>6. BOILER WATER CHLORIDES CL: 0 to 40 GPG</b>							
◆ When Over 40 GPG - Increase Blowdowns & Check Water Softener							
<b>7. BOILER WATER PHOSPHATE PO<sub>4</sub>: 40 to 70 PPM</b>							
◆ When Less than 40 PPM - Increase Treatment Dosage							
◆ When More 70 PPM - Decrease Treatment Dosage							
<b>8. BOILER WATER TOTAL DISSOLVED SOLIDS: 2600-3000 PPM (3600-4600 micromhos/cm)</b>				0-50 ppm			
◆ When less than 2600 PPM decrease blowdown intervals/duration							
◆ When more than 3200 PPM minimum increase blowdown intervals/duration							

**CUSTOMER NAME:** \_\_\_\_\_ **TESTED BY:** \_\_\_\_\_

**CONTACT:** \_\_\_\_\_ **COMPANY:** \_\_\_\_\_

**ADDRESS:** \_\_\_\_\_ **ACTION TAKEN:**

**CITY, STATE & ZIP:** \_\_\_\_\_

**PHONE:** \_\_\_\_\_ **FAX:** \_\_\_\_\_

**CELL:** \_\_\_\_\_ **EMAIL:** \_\_\_\_\_

**NOTES:** \_\_\_\_\_

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 FILED                       FAXED  
 FWD TO CHEMICAL CO.