

## Application of BRS® for units with the external water bottle system

### *Application of the Biofilm-Removing-Set with Bilpron*

#### Field of application:

The Biofilm-Removing-Set (BRS®) provides cleaning (removal of biofilm) of dental unit waterlines before using Bilpron.

The Biofilm-Removing-Set (BRS®) consists of the three individual products BRS® PreCleaner, BRS® Remover and Bilpron.



#### SAFTY ADVICE

- ❖ Wear eye, face and hand protection when using BRS® system.



#### 1st Step



- ❖ Remove all removable instruments such as: handpieces, couplings, contra-angles, scalers (if possible), triplex syringe tips.

#### 2nd Step



- ❖ Mix 1 sachet of the pink BRS® PRECLEANER powder with 2L of hot water. The water temperature has to be between 60C and 70C, but not less than 60C ! Use the thermometer to measure the water temperature. Make sure the powder is evenly dissolved in the water and the solution turns pink.



#### 3rd Step



- ❖ Remove the bottle from the external bottle system attached to the chair and pour the pink solution inside the bottle.

#### 4th Step



- ❖ Reattach the bottle to the unit, and run the pink solution through all the dental chair instrument lines until the pink solution comes out visibly and all the solution from the bottle is used up. Do not forget about running the solution via the spittoon. Make sure all lines are now completely filled with the pink solution. The tubes should feel very warm. Now all the lines are internally covered with the BRS® PRECLEANER.



15 to 20 minutes

#### 5th Step

- ❖ Leave it without any flushing with water for the next 15 to 20 minutes.

#### 6th Step



- ❖ Prepare the blue liquid BRS® REMOVER in the same way as previously prepared BRS® PRECLEANER, using same water temperature (always checked with thermometer) and same amount of water (2L).



#### 7th Step

- ❖ Run the blue solution via the waterlines, same way you did with the BRS® PRECLEANER.



20 minutes

#### 8th Step

- ❖ Leave it inside the tubes for 20 minutes.



### **9th Step**

- ❖ Clean the left over residues of BRS® PRECLEANER and BRS® REMOVER from the inside of the bottle using BC-San or alternative cleaner, leaving the bottle without any smear of yellow, green or grey coating. **Dirty bottles easily become the source of biofilm recontamination!**

### **10th Step**



- ❖ Fill clean bottle with the warm clean water (min 40 deg.C) and run the water through all the hoses, until all solutions are completely flushed out and the water looks clear. Do not forget about the spittoon!

- ❖ **Attention: If public water quality is low, it can easily become a source of biofilm recontamination. We recommend testing the water quality and if necessary installation of the water filters at the connection with the mains or use of distilled water when flushing via the bottle system.**



### **11th Step**

- ❖ Fill the bottle with 300 ml of BILPRON.

### **12th Step**

- ❖ Run it through all the instruments until the blue solution comes out visibly. Stop at this stage and leave the solution inside all of the lines for minimum 12 hours or preferably over the weekend. Do not flush the lines at this stage with water.

### **13th Step**



- ❖ Upon returning (12 hours minimum or full weekend), fill the bottle with water containing ALPRON solution (10 mL to 900 mL of water) for daily decontamination (not a part of BRS® kit) or plain clean water. Remove the input filter, and replace it with the new one, since it can become the source of the recontamination. Run it through all the lines and the spittoon until all blue solution is completely out and the water looks clear.



### **14th Step**

- ❖ Do not forget to retest the water after 2 days.

### **15th Step**

- ❖ Repeat the whole process if CFU count is still too high.

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