

## DU-LITE CORPORATION

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## HOW TO TEST DU-LITE PRODUCTS FOR CHEMICAL CONCENTRATIONS OR THE OUNCES/GALLONS OF CHEMICALS IN A SOLUTION.

### WHAT IS A HYDROMETER?

A simple glass tube, weighted on the bottom with lead, designed to show the amount of chemicals dissolved in a water solution. Easy to use and read, the hydrometer is useful in maintaining proper concentrations for Du-Lite #31, #37, #29SW and #45 cleaners. It can also be used with Du-Lite XX Compound used to blacken silver soldered parts. It should only be used in solutions which operate below 212°F; higher temperatures will cause the glass to break.

### HOW DOES IT WORK?

The hydrometer is calibrated to float at "zero" in plain water. As more and more chemicals are added to the water, the higher the hydrometer will float and higher readings will be noted.

### HOW TO USE IT:

After heating your cleaner or XX Compound to its proper operating temperature, free float the hydrometer in the center of the tank. The hydrometer should not touch the tank walls or bottom and should be free to "bob". If your tank is too shallow, remove enough solution in a pitcher or bucket to float the instrument in. After testing, return the liquid to its tank.

Remember, to increase the reading, add chemical to the solution. To lower the reading, it is necessary to add water reducing the solution density or concentration.

It is important to realize this test will tell you only if the proper concentration of chemicals has been reached. It will not indicate the amount of contaminants present in your cleaner or the effectiveness of it. All chemical solutions only have a certain useful life span and must be discarded and replaced periodically.

The charts below will tell you the proper readings for different amounts of cleaner and XX Compound.

#### HYDROMETER READINGS

Du-Lite Cleaners

Ozs/Gal	#45	#29SW	#31	#37
8	10	9	9	9
12*	15	15	15	12
16	20	20	20	16
Hydrometer Readings				

XX Compound

Ozs/Gal	Reading
24	16
28	22
32*	25
36	28
40	31

\*Recommended Du-Lite Concentrations