

# FOUNTAIN SOLUTION APPLICATION CHART

|   | <b>Millennium SF</b>                              | <b>Millennium 7000</b> | <b>Millennium Gold</b>                      | <b>Millennium 1000</b> | <b>Millennium One</b>                    | <b>Millennium Silver</b>                             | <b>Millennium FMP</b>  | <b>Millennium DGT</b>  | <b>Millennium HSW-100</b>               | <b>Premier Neutral</b> | <b>Premier News MA</b>     |
|---|---|------------------------|---|------------------------|--|--|------------------------|------------------------|---|------------------------|----------------------------|
| <b>Solution Type</b>  | Acid  | Acid                   | Acid  | Acid                   | Acid                                     | Acid   | Acid                   | Acid                   | Acid                                    | Neutral                | Mild Acid                  |
| <b>Target Press Size</b>  | 26 and above                                      | 26 and above           | 26 and above                                | 26 and above           | 26 and above                             | Under 26   | 26 and above           | 26 and above           | 26 and above                            | 26 and above           | 26 and above               |
| <b>Press Type</b>   | Sheetfed  | Sheetfed               | Sheetfed                                    | Sheetfed               | Sheetfed                                 | Sheetfed   | Sheetfed / HS Web      | HS Web/Cold Web        | HS Web/Cold Web                         | Cold Web               | Cold Web                   |
| <b>Plate Type</b>   | Metal   | Metal                  | Metal                                       | Metal/Poly             | Metal/Poly                               | Poly / Laser / Metal                                 | Metal                  | Metal                  | CTP/ Thermal/Violet                     | Metal                  | Metal                      |
| <b>Press Speed</b>  | over 10,000 imp / hr                              | Over 10,000 imp/hr     | over 7000 imp / hr                          | over 10,000 imp/hr     | over 10,000 imp / hr                     | up to 7000 imp / hr                                  | over 7000 imp / hr     | over 10,000 imp / hr   | Up to 100,000 imp/hr                    | Newsprint speed        | Newsprint speed            |
| <b>One Step Dosage</b><br>No alcohol sub or alcohol used with fountain solution | 6 oz / gallon (4.7%)                              | None                   | 6 oz / gallon (4.7%)                        | 3-4 oz (2.3-3%)        | 5-7 oz / gallon (4.7%)                   | 8 oz / gallon (6.3%)                                 | 5-6 oz / gallon (3-4%) | 3-5 oz / gallon (2-4%) | 4-6 oz / gallon (3-4.6%)                | 2 oz / gallon (1.6%)   | 2-3 oz / gallon (1.6-2.3%) |
| <b>Two Step Dosage</b><br>Alcohol sub or alcohol used with fountain solution    | 3-4 oz / gallon (3%)                              | 3-4 oz / gallon (3%)   | 3-4 oz / gallon (3%)                        | None                   | None                                     | 6 oz / gallon (4.7%)                                 | 4 oz / gallon (3%)     | None                   | None                                    | None                   | None                       |
| <b>Alcohol Substitute</b>   | Dynamic ARP / AR-7500                             | AR-7500 / Dynamic ARP  | Dynamic ARP / AR-7500                       | None                   | None                                     | Dynamic ARP  | Dynamic ARP / AR-7500  | None                   | None                                    | None                   | None                       |
| <b>Alcohol Sub Dosage</b>   | 2-3 oz (1.6-2%)                                   | 1-4 oz (2%)            | 2-3 oz / gallon (2%)                        | None                   | None                                     | 2-3 oz (2%)  | 2 oz / gallon (1.6%)   | None                   | None                                    | None                   | None                       |
| <b>Conductivity +H2O</b>  | 575 micromhos / oz                                | 550 micromhos / oz     | 265 micromhos / oz                          | 440 micromhos / oz     | 415 micromhos / oz                       | 115 micromhos / oz                                   | 400 micromhos / oz     | 475 micromhos / oz     | 480 micromhos / oz                      | 525 micromhos / oz     | 550 micromhos/oz           |
| <b>Conductivity Range +H2O</b>  | 2200 - 2400                                       | 1650 - 2200            | 1000 - 1600                                 | 1320 - 1760            | 2075 - 2905                              | 700 - 1000   | 2000 - 2400            | 1425 - 2375            | 1920 - 2880                             | 1000 - 1100            | 1100 - 1650                |
| <b>Expected pH</b>  | 3.8 to 4.2  | 4.0 to 4.2             | 3.8 to 4.2                                  | 3.7 to 3.8             | 3.8 to 4.2                               | 3.6 to 3.8   | 3.8 to 4.2             | 3.8 to 4.2             | 4.0 to 4.2                              | 6.8 to 7.0             | 5.0 to 5.5                 |
| <b>VOC Content</b>  | 1.7 # / gallon 19%                                | None                   | 1.07 # / gallon 12%                         | 4.79 # / gallon 56%    | 1.8 # / gallon 20%                       | 1.1 # / gallon 14%                                   | 3.0 # / gallon 27%     | 0.64 # / gallon 7%     | 0.55 # / gallon 6%                      | None                   | None                       |
| <b>Product Color</b>  | Amber   | Bluish Green           | Goldish Amber                               | Blue                   | Bluish Green                             | Silvery Clear  | Amber                  | Bluish Green           | Bluish Green                            | Amber                  | Amber                      |
| <b>Water Hardness</b>   | S-M   | S-M                    | S-M   | S-M                    | S-M                                      | S-M-H  | S-M                    | S-M                    | S-M                                     | S-M-H                  | S-M-H                      |
| <b>Container Size US</b>  | 1, 5, 30, 55                                      | 1, 5, 30, 55           | 5, 55                                       | 1, 5, 55               | 5, 30, 55                                | 1  | 5, 55                  | 5, 30, 55, 250         | 5, 55, 275                              | 5, 55, 250             | 5, 55, 250                 |
| <b>Approved for use with</b>  | KPG CTP/Fuji CTP<br>Presstek Applause<br>Agfa CTP |                        | Spectratech<br>No process plates<br>KPG CTP |                        | Presstek Applause<br>Agfa CTP<br>KGP CTP | Autotype Omega<br>Plates<br>Xante Myriad 2<br>Plates | KPG CTP                | KGP CTP                | Kodak Sword Excel/<br>P45<br>Electra HD |                        |                            |