

GRAVITY FEED INK RESERVOIRS



Universal's USM-GFR Gravity Feed Ink Reservoirs are used with both the USMR-20 Series Spot Markers and the PIDS Programmable Ink Delivery Systems. The reservoirs are available in 4 standard sizes with 16 Oz., 32 Oz., 64 Oz. and 128 Oz. capacities. All models include a mounting bracket and a brass ball valve with a compression type tube fitting for the standard 1/4" OD poly connecting tubes. The large diameter neck design with a threaded lid simplifies filling the reservoir. These units are compatible with both glycol and alcohol base coding inks and the ink level can be visually monitored through the translucent sides of the reservoir.

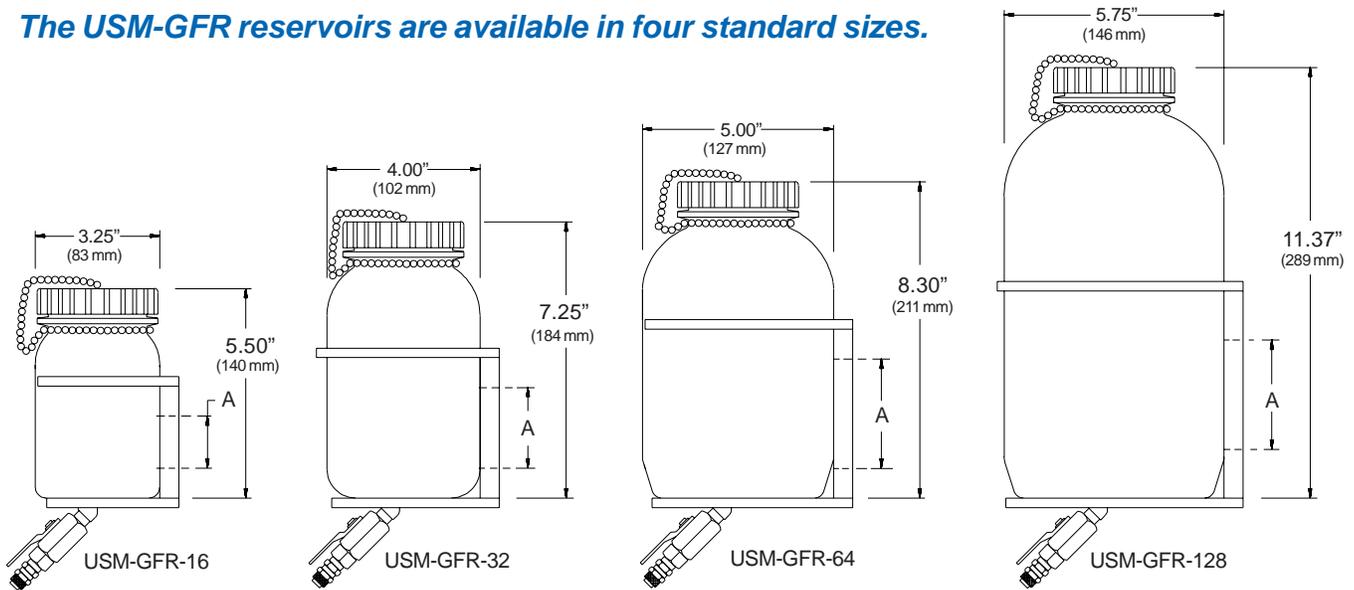
SUPPLYING MULTIPLE MARKING STATIONS

Optional Manifolds are available to provide additional ports for feeding multiple marking stations from a common ink supply reservoir. The manifolds are supplied with additional compression type tube fittings for easy field connection.



Model Shown: USM-GFR-4M

The USM-GFR reservoirs are available in four standard sizes.



When selecting an appropriate reservoir size for your application, two factors should be considered:

- 1 - Spot marking applications with the USMR-20 Series Micro-Spray Markers typically consume extremely small volumes of ink. With accurate fluid control adjustment, approximately five hundred 1/4" diameter spot marks can be applied with 1 ml. of ink.
- 2 - Unlike dye base inks that contain liquid colorants, pigmented inks contain ground solids which will settle to the bottom of the reservoirs when they are not agitated for prolonged periods of time. As the pigments settle, the viscosity of the ink being fed to the marker will increase. Unless the ink is stirred periodically, pigment settling can eventually cause clogging of the fluid inlet port on the marker body. To prevent this problem, it is recommended that you select the smallest reservoir size appropriate for your application and then only fill the reservoir with enough ink to last 1 - 2 days of operation. When refilling the reservoir, thoroughly shake the supply container of ink to ensure the pigments are thoroughly mixed.

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