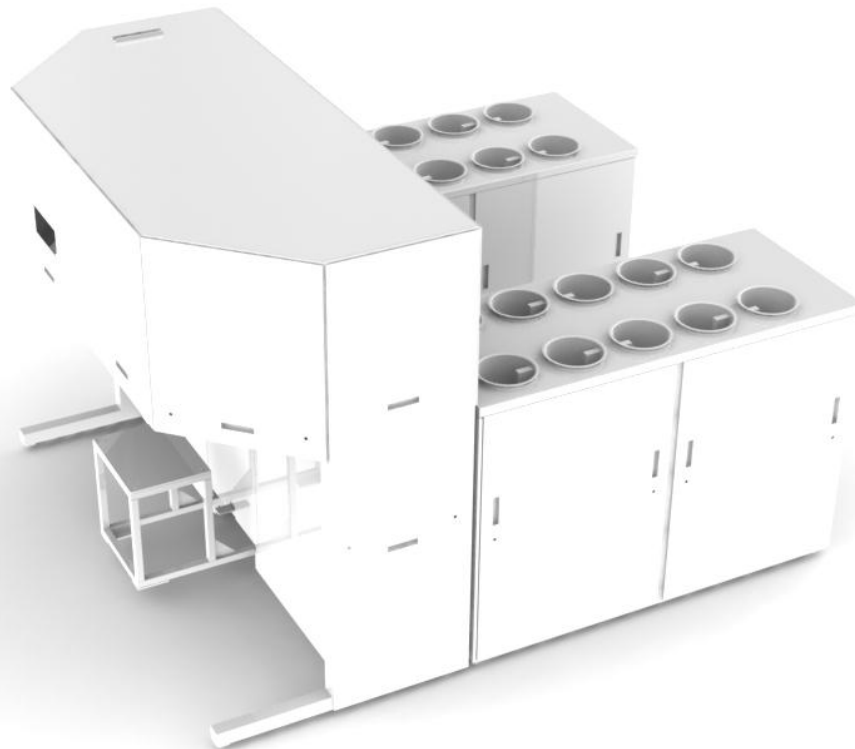


Volumetrix™

Multi-Ingredient, Many-Formula Dispenser



This type of Dispenser involves complex formulations which are typical of Paint Formulation, Paint Tinting, Ink Formulation, Dyes, Stains, Varnishes, Chemical Compounding, Flavorings and Lab Formula Creation. These applications require the dispenser to support a wide range of ingredients, a large amount of formulas and various feedstock options for the ingredient supply. Our [Volumetrix](#) Dispenser can handle up to 60 ingredients with an unlimited amount of formulas. This dispenser includes a Full function Graphic interface with a Formula editor and dispense database included.

Tel: 888-488-8555
Fax: 419-843-1420
www.genericfluidsystems.com

 **GENERIC
FLUID SYSTEMS**

Volumetrix™

Multi-Ingredient, Many-Formula Dispenser



The Standard of *Accurate Speed*

There are accurate dispensers and some large volume fast dispensers, but speed usually comes at compromising accuracy. The Volumetrix, on the other hand, competes with all other equipment in terms of speed, but few can even come close to challenging the Volumetrix accuracy.

Blend On Demand

If you run high production with many formulas, the Volumetrix can save you time and money by dispensing the formula needed, quickly and accurately on a just in time basis.



Any Materials

Whether your blend components are aggressive solvents, aqueous solutions, highly viscous materials or any other challenging media...the Volumetrix can handle them.

Any Size Batch

If you need a few ounces in a small container or 50 gallons in a drum, or 300 gallons in a tote....no problem for the Volumetrix.

Multi-Mode Dispense Capabilities

The Volumetrix can run batches in *Volumetric* simultaneous dispense (all ingredients dispensed at the same time), *Gravimetric* mode (ingredients dispensed one at a time), in *Priority* mode (depending on a material's "priority" setting, it will begin dispensing when its' turn in the batch comes). The Volumetrix also contains a *Ratio* (proportioning) mode, in which all materials are dispensed simultaneously in proper ratio.



Industrial Strength

We provide systems for industry which dispense formulas and liquids into various size containers for distribution. This is not Retail or Point-of-Sale equipment; these are robust, reliable, fast and accurate dispensers for industrial uses. Whether your process uses solvent based or aqueous solutions, or a wide range of viscosities, our equipment can handle it.

Clean

All structural and surface materials are stainless steel. The wing tops are perimeter welded, leak proof stainless steel designed for easy clean up of spills and the prevention of cross contamination of materials..

Recirculation and Agitation

Automated, configurable fluids recirculation keep materials "fresh" and prevent solids from settling. Optional mechanical agitation is available for supplied canisters.

Volumetrix™

Multi-Ingredient, Many-Formula Dispenser



Formula Editor and Import Utility

Complete Formula and Material Component Editor included with database. The Volumetrix can also directly link with corporate production servers for links with batching and reporting to create a “paperless” system.

Historical

The Volumetrix software logs all pertinent data. Batch reports, material usage reports and even VOC reports are standard.

Smart

The Volumetrix software package does all the hard work under the hood, with features like: automatic calibration, automatic level tracking with a multi-lingual Interface that is a “point-n-click” for the operator

Current User: AUSTIN
Chassis # 893953
Valid Colors: N3673HN, Color A (selected), N0001HN, Frame
Formula Name: N3673HN
Quarts Requested: 3.60
System Status: Formula Ready
Paint Description: GREEN
Grams Requested: 3874.99
Grams Dispensed: 3870.90
% Of Difference: -0.11

Tint	Weight
1 573H	1311.30
2 551H	49.08
3 577H	279.51
4 501H	426.94
5 506H	486.99
6 516H	1004.96
7 8685S	316.21
8	0.00
9	0.00
10	0.00
11	0.00
12	0.00
13	0.00
14	0.00

Formula Weight Display: Per Tint

System Status: Formula Ready

Buttons: Lookup Formula (F9), Start Pour (F10), Stop Pour (F11)

Dispense Method: Simultaneous

Wednesday, July 31, 2002 10:21:53 AM

Main Dispense operation Screen

Volumetrix™

Multi-Ingredient, Many-Formula Dispenser



Ease of Use and Maintenance

The Volumetrix was designed with Ease of use for Operators with a simple “point-and-click” dispense method. The Graphics interface also contains Automatic level tracking screens as well as Automatic calibration. The Volumetrix is configurable via software screens to handle a wide variety of customer requirements. Maintenance on the machine is provided with plenty of room and easy off, tool free covers. The machine requires typically no preventative maintenance.



40 Ingredient Volumetrix

Minimum Floor Space

Considering the large volume and speed the Volumetrix can dispense, its' 500 square feet minimum floor space (for a typical 40 circuit unit), makes the greatest use of your floor space compared to competitors' machines.

Tel: 888-488-8555
Fax: 419-843-1420
www.genericfluidsystems.com

 **GENERIC
FLUID SYSTEMS**

Volumetrix™

Multi-Ingredient, Many-Formula Dispenser



Specifications

Dispense Size Range.....1/10 Quart to 220 Gallons
Dispense Speed: 1 gallon (typical formula).....20 seconds
Dispense repeatable minimum shot size.....1/10 gram

Fluid Requirements

Viscosity Range for supply materials.....0 cp - 7,000 cp
Materials supported.....solvent borne or aqueous

Machine Design Specs

Supply of materials (internal).....3 or 6 gallon canisters
Supply of materials (external).....unlimited via Remote Bulk Supply
Fluid Circuit capacity.....1 to 60 circuits (can be configured with 128)
Operating Environment.....from unclassified up to Class 1/Division 1
Machine composition materials.....Stainless Steel
Footprint (40 circuit machine).....approximately 500 sq ft
Weight (40 circuit machine empty).....approximately 5,200 lb

Utility Specs

Electric480 - 560 V 3phase
Pneumatic.....120 psi @ 2 cfm



Pump Train Assembly



Optional Canister Wings (covers removed)

Volumetrix™

Multi-Ingredient, Many-Formula Dispenser



Standard Features

- PLC based industrial controls platform. Robust and reliable.
- PC based Graphics User Interface. Multi-Lingual Operator Interface.
- Microsoft SQL Server based data collection and acquisition.
- All Stainless Steel Construction.
- All covers can be removed without tools, SS appliance style sheet metal cover panels.
- Integrated laboratory grade certified scale.
- Machine was designed with easy access and plenty of room for maintenance.
- Dispense head opening can accommodate cans as small as 1 quart.
- Proprietary high speed, bubble-tight dispense valves.
- Class 1/Division 1. No purged components.

Options

- Bulk or remote feed systems direct to Volumetrix
- Canister wing assemblies containing 3 or 6 gallon ingredient storage.
- Active Mixer assembly with cip nozzle (for Ratio Dispense Method).
- Integrated secondary Floor Scale for certification of drum based dispenses.
- Conveyors, Shuttles can shakers.
- Direct paperless tie-ins to Production databases.
- Dispense label printer
- Service Contracts.
- Robotic based handling systems.

Applications

- Paint manufacturing or tinting.
- Ink manufacturing or tinting.
- Textile Dyes manufacturing or tinting.
- Adhesive manufacturing.
- Wood stains and varnishes.
- Beverage Blending or composition.
- Chemical Blending and custom formulation.
- Liquid Vitamins and Food products.



Volumetrix™

Multi-Ingredient, Many-Formula Dispenser



Volumetrix Build Template



Brief Description of Application

Number of Ingredients

These are the number of ingredients you wish to automatically dispense with the Volumetrix. Very low runner ingredients or dry powders can be left off the dispenser machine and added by hand, when they are called for in a formula. The Volumetrix supports the concept of "hand adds".

Ingredient Material Type (check appropriate)

- Solvent Based
 Aqueous (water based)
 Both

Feedstock Supply Selection

Based on the total Number of Ingredients in the above section, determine your Feedstock supply options. It is best to select supply methods to the Volumetrix based on how you currently stock the ingredients, whether it be cans, pail, drums, totes or mother tanks.

3 or 6 gallon SS Canisters. Supplied in canister wings with Volumetrix. Preferred for materials supplied to you in cans or pails.

Direct feed (gravity) from customer supplied Drums.

Direct feed (gravity) from customer supplied day Tanks or totes.

Bulk Taps. When material is pumped to the Volumetrix from remote Mother tanks.

Other Options (check appropriate)

- Second Dispense Scale (1000 lb capacity for drums)
 Integrated Dispense Label printer
 Active Mixer Adapter with CIP nozzle. Used for Ratio dispense method.
 Integrated Dispense Label printer
 Quarterly Service Contract (North America)
 Quarterly Service Contract (International)
 Semi-Annual Service Contract (North America)
 Semi-Annual Service Contract (International)
 Auto Feed conveyors (Cans, Pails) to Volumetrix
 Direct Tie-ins to Production Scheduling Database
 Recommended spare parts kit.

Canister Agitators

If recirculation of Ingredient is not sufficient to keep it blended, optional mechanical agitators may be added to the canister. This option is for 3 or 6 gallon SS canisters.

Production Batch Sizes

Enter the Size And Approximate Number of Container Batches produced daily for production.

Pints	Quarts	1 Gal. Cans	5 Gal. Pails	20 Gal. Kegs	55 Gal. Drums	300 Gal. Totes	1000 Gal. Totes
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Volumetrix™

Multi-Ingredient, Many-Formula Dispenser



Pricing Guide

The pricing table below will give you an idea of the Price Range for a Volumetrix System. These are budget estimates only, and a firm quotation cannot be rendered without an engineering site visit to determine exact specifications and options needed for a complete Volumetrix System. The table contains 2 variables: Size and Environment.

Size

Refers to the number of ingredients you wish to load into the Volumetrix, the table provides for 4 common size selections; 10,20,40 and 60. It should be noted however that any size of ingredients can be specified, for example 12, 34, etc...

Environment

Refers to NEC Classification for the environment where the Volumetrix will be installed. Typically solvent based ingredients will require NEC Class1/Division 1 (explosive environment) or NEC Class 1/Division 2 (flammable environment). Aqueous (water based) ingredients will typically be in an unclassified or non-hazardous area.

Typical Volumetrix Price Ranges (Dollars USD)		
Volumetrix Size	Non-Hazardous Enviromet	Hazardous Enviroment
10 Ingredients	\$90,000 - \$115,000	\$115,000 - \$130,000
20 Ingredients	\$165,000 - \$185,000	\$185,000 - \$235,000
40 Ingredients	\$430,000 - \$525,000	\$475,000 - \$565,000
60 Ingredients	\$615,000 - \$675,000	\$655,000 - \$725,000

Contact

Generic Fluid Systems Inc.
3315 N. Centennial Rd.
Bldg H
Sylvania, OH 43528

Tel: 888-488-8555 (toll free)
Tel: 419-841-8460
Fax: 419-843-1420



Email: sales@genericsys.com
Website: www.genericfluidsystems.com

Tel: 888-488-8555
Fax: 419-843-1420
www.genericfluidsystems.com

