



fillaMAX

ADVANCED BOTTLE TOP PROPORTIONER

The FillaMAX is a low cost portable proportioning/dilution system that attaches to the top of a bottle of chemical concentrate and is used to dispense ready-to-use solution into spray bottles, buckets, or auto scrubbers. The FillaMAX simple selector allows for the dispensing option of bottle fill (1 GPM), rinse, or a bucket fill (4 GPM). The metering tip is safely locked away in the concentrate bottle using an RD closed-loop insert, to prevent tampering with the dilution ratio.

Low Cost

Accurate

Durable



PROPORTIONING SYSTEMS

- Cost-effective portable dilution system
- Small, lightweight, and user friendly
- Fills bottles at low flow (1 GPM)(3.8 LPM) or buckets at high flow (4 GPM)(15 LPM)
- Robust thermoplastic construction resists hard daily use and chemical corrosion
- Zero setup time and zero maintenance time for the chemical salesperson
- Fits on all 38 mm standard bottle necks for 1/2 gallon, gallon, 2 liter, or 3 liter bottle
- One-handed operation frees the other hand to grasp the spray bottle or mop bucket
- The combination of the FillaMAX and RDI bottle inserts ensure a complete, accurate, economical, safe, consistent, and reliable dispensing

KNIGHT

IDEX
FLUID & METERING

Features

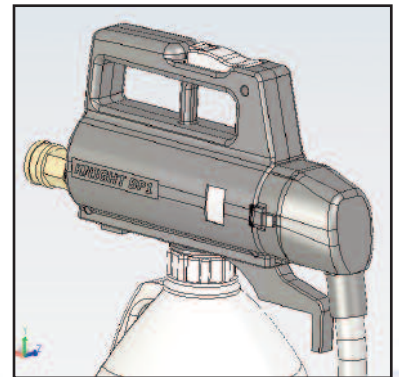


Engineering Excellence

The FillaMAX is meticulously engineered to provide you with the highest performing and versatile dispensing system in the market today. The FillaMAX is designed to create a product that is better and offers more than any other current competitive products, and still maintain a low price.

When developing the FillaMAX, attention to details was a standard to ensure optimal performance in a compact unit.

- Attention to un liquid flow through the unit to minimize foaming
- Reducing the chemical feed path to ensure less than .3 ml of chemical residue left in the unit when switching chemical bottles
- Consistent dilution accuracy of +/- 5%
- Balanced weight distribution when carrying bottles to ensure minimal strain on the user
- Minimizing FillaMAX weight and size for ease of use and portability
- Material chemical compatibility to resist chemical corrosion
- High-end on/off valve good for millions of on-off cycles
- Reduced priming response time to almost instantly
- Ability for an addition of future foaming accessory



Multiple Flow Rates



Low flow Bottle fill
(1 GPM)(3.8 LPM)



High flow Bucket fill
(4 GPM)(15 LPM)



4 GPM (15 LPM) water rinse
setting to flush spout for incompatible chemicals or dispense water

Save Money

The FillaMAX is the solution to the issues of affordability and cost savings. This low cost unit allows you to have a proportioning dispenser everywhere you need one. It also carries the ability to eliminate installation, eliminate servicing, reduce training, and reduce inventory. FillaMAX is all about cost saving.

Economical and Cost-effective

- Smaller accounts can now afford automatic proportioning
- Economical enough to have dedicated dispensers for each area
- Maximum on-site flexibility

No Service and Minimal Training

- Zero maintenance time for the chemical salesperson
- No planned or costly unplanned service calls
- Minimizes product training

No Installation

- Zero setup time and no expense for installation
- Ship to your customers instead of installing them

Reduced Inventory

- Single SKU minimizes inventory
- No parts or accessories to hold

Applications

The FillaMAX has a multitude of uses for the housekeeping and commercial cleaning industry. Just connect the FillaMAX to any standard garden hose, select bottle fill or bucket fill, and dispense. It is just that simple! Use FillaMAX to fill mop buckets, autoscrubbers, carpet extractors, ready-to-use bottles, or dispense directly onto the floor. It will soon make you wonder how you got by without one.

User Friendly

The FillaMAX is geared to be the easiest and most friendly companion for portable dispensing to the cleaning custodian. The unit consists of multiple features to make dispensing as simple and easy as possible.

- One handed operation frees the other hand to grasp spray bottle or mop buckets.
- Valve trigger is in an easy natural position for the thumb to depress
- Handle allows the user to adapt to various bottle types or carrying preferences
- Built in hook to hang over mop buckets and auto scrubbers
- Trigger lock for continuous dispensing
- Quick release accessories
- No worries of breaking with the strong durable construction
- No messing with dilution tips as they are preinstalled into the chemical bottle



Customization

Knight offers the option of customizing the FillaMAX to fit your need and preference. Whether you want something as simple as private labeling to creating custom colors for the FillaMAX to creating a custom shroud to fit only your proprietary chemical bottle. We will work with you to customize the FillaMAX to meet your specifications. Let us know how we can help you.

- Private labeling available
- Custom colors available
- Custom shroud

Specification

Bottle types	38 mm bottle-tops with standard threads (1/2 gallon, gallon, 2 liter, and 3 liter)	
Flow rates	1 GPM (3.8 LPM) bottle fill 4 GPM (11 LPM) bucket fill 4 GPM (11 LPM) rinse	
Dilution ratios	16 dilution ratios ranging from 6:1 to 640:1	
Temperature	Min. 25°F (-3.9°C)	Max. 150°F (65.6°C)
Operating pressure	Min. 30 PSI (2 bar)	Max. 80 PSI (5.5 bar)



Accessories



Regulator Kit includes 6 feet of high pressure hose, pressure regulator, male quick disconnect, and a female coupler.



Other optional accessories include: indoor faucet connector, hose shut-off, BIB vacuum, and brass hose wye with ball valve shut off



Hose quick connect allows you to attach the FillaMAX quickly to any hose with the correlating female coupler attachment.



Indoor faucet connector enables you to quickly connect and disconnect from most indoor faucets.

The Program

Knight and RD Industries (RDI) are working together to give you a complete chemical dispensing solution. The FillaMAX works in conjunction with RDI closed-loop inserts, which are installed in the chemical bottles.

How the Program works

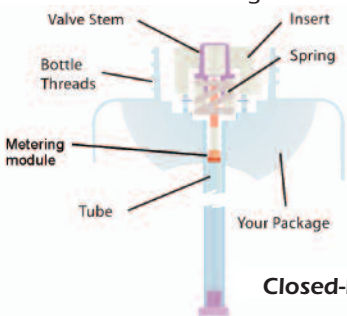
The FillaMAX program consists of two parts. The first part is the FillaMAX unit itself, which is the chemical delivery system. The second part is the closed-loop inserts, which contain the dilution ratios. The closed loop inserts must be acquired from RD Industries and be installed onto the chemical bottles after the filling process. Because the dilution tips are located in the closed-loop inserts, the chemical concentration and the dilution ratio must be predetermined and installed at the factory. This locks down the dilution ratio to prevent over or under utilization of chemical. The combination of the FillaMAX and RDI bottle inserts ensure a complete, accurate, economical, safe, consistent, and reliable dispensing all at an economical price.

RD Industries closed-loop inserts

RD Industries is an industry leader in the design and manufacture of closed-loop dispensing systems. RDI closed-loop chemical containment has been market tested for over ten years. The RDI inserts is an economical closed-loop system for containment and dispensing of concentrated chemicals. The insert contains an automatic self-venting and anti-reversing valve. The FillaMAX has a matching adapter (key), which releases the product for safe and accurate mixing and dispensing.

Features

- Metering tip sealed inside concentrate bottle at time of filling
- Dilution ratio is "locked down" to prevent over or under utilization of chemical
- RDI bottle insert mechanism is designed to fit virtually all chemical bottles; no special neck finishes are required
- 21 color options, and can be matched to your company/product colors
- Various plastic for chemical compatibility
- Built in check-valve
- Automatic self-venting



Closed-loop insert diagram

Benefits

- Prevents leaks, spills, drips, and workplace contamination
- Accurate dispensing for effective, efficient chemical solutions
- Eliminates costly mixing, measuring, and dispensing mistakes by untrained personnel
- Minimal chemical waste which results in reducing overall costs
- Closed-loop protection that reduces hazardous fumes and prevents cross contamination of chemicals
- Optional lock-out configuration prevents unauthorized use of your system
- The RDI system also secures the container for safe, easy shipping, and can be used with your current shipping cap.
- No training is required, it is a "hands-off, no-touch" system

Closed-loop insert connected to the bottle



21 color options (Some shown below)



ORDERING INFORMATION

FILLAMAX

PART # DESCRIPTION

7114000 FillaMAX

ACCESSORIES

7600285 Regulator Kit (Includes: High pressure hose, Pressure regulator, Male quick disconnect, Female coupler)

0800448 Hose Kit (Includes: High pressure hose, Pressure regulator)

0800394 High pressure hose (EPDM 6 ft. length, M/F)

7407117 Pressure regulator (brass, fixed, 45 PSI)

0800451 Male quick disconnect (3/4 MGHT x Bayonet)

0800466 Female coupler w/ water stop

0800467 Hose shut-off

0800465 Indoor faucet connector

0800402 Brass hose wye with ball valve shut off

7120105 BIB vacuum breaker

KNIGHT LIMITED WARRANTY

Knights controls and pump systems are warranted against defects in material and workmanship for a period of ONE YEAR. All Electronic Control Boards have a TWO YEAR warranty. Warranty applies only to the replacement or repair of such parts when returned to the factory with a KRA number, freight prepaid and found to be defective upon factory inspection. Rubber and synthetic rubber parts such as "O" rings, diaphragms, squeeze tubing and gaskets are considered expendable and are not covered under warranty. Warranty does not cover liability resulting from performance of this equipment nor the labor to replace this equipment. Product abuse or misuse voids warranty. Knight products are not for use in potentially explosive environments. Any use of our equipment in such an environment is at the risk of the user. Knight does not accept any liability in such circumstances.

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