

# Proportioning/Dispensing Systems

## The Benefits of Using Them



In recent years, the use of chemical proportioning/dispensing systems has increased in popularity as people are becoming increasingly aware of the advantages they bring across multiple levels of an organization. This article will explore some of these benefits in order to illustrate why you should choose a dispensing system today.



### Benefit 1: Time Savings

Thanks to the precise dilution provided by chemical dispensers at the push of a button, operators no longer need to manually mix products, which in turn contributes to more time being spent on the cleaning process as opposed to the preparation of the solution.

Furthermore, the use of improperly diluted chemicals can often lead to having to repeat the work more often or redoing it altogether since the job was not done well the first time. By accurately dispensing the pre-determined dilution rate for the task at hand, you can be sure that your cleaning solution remains consistent and completes the job correctly.



### Benefit 2: Waste Reduction

Chemical dispensing systems reduce the risk of human error by automatically mixing the correct amounts of chemical concentrate and water. As a result, there is no potential for using excess amounts of product and water, or for spillage during the manual pouring process.

In addition to less product waste, users will benefit from a reduction in packaging waste due to the fact that containers of concentrated chemical do not need to be replaced as frequently as their ready-to-use counterparts.

### Benefit 3: Ease of Use

By eliminating the guesswork that is normally required with manual mixing, dilution systems are proven to be more user-friendly and easier to work with. New employees can be trained more quickly with less waste and fewer mistakes as there is no need to worry about the preparation of multiple dilution rates for different cleaning tasks. Proportioners are also available in a variety of styles to make sure you get the one that best suits your needs.

### Benefit 4: Health & Safety

Not only are chemical dispensers convenient, but they can also help to ensure the health & safety of both staff and customers. The closed loop systems minimize the risk of an employee spilling concentrated chemicals on themselves or inhaling the potentially hazardous fumes, which could happen when mixing chemicals by hand. Since there are no spillages of the chemical concentrate, the chances of slip and fall accidents are also reduced.

In addition to operator safety, your customers will equally benefit from the safety that comes with properly diluted chemicals. For example, if a floor finish is not mixed at the correct dilution rate, this can contribute to sticky or slippery floors. As a result, there is a greater risk of injuries. Similarly, if a disinfectant becomes overly diluted, this could have a negative impact on the performance of the chemical, resulting in the spread of germs and bacteria. Finally, if a chemical is too strong and not sufficiently diluted, this may lead to respiratory issues or skin reactions.



### Benefit 5: Environmental Impact

There are many reasons why dilution systems are an eco-friendly option. Firstly, when you opt to refill your existing reusable bottles with diluted chemical concentrates from a dispenser, this means less packaging compared to always using new bottles of a premixed solution. This in turn reduces excess waste as well as the frequency of shipments required. Fewer shipments not only translate to lower costs, but also to less fuel being used by shipping providers. Furthermore, the disposal of accurately diluted chemicals ensures that overly concentrated solutions are not making their way into municipal water systems. Although the impact may seem small, these actions can go a long way in reducing your carbon footprint. Lastly, if a company is seeking to be LEED-Certified, the use of a chemical dilution system is an important aspect of that certification process.

### Benefit 6: Product Optimization

Many dilution systems can be configured to dispense the same chemical concentrate at multiple dilution rates in order to handle various tasks. As such, the versatility of fewer products is maximized and less inventory is required. This, along with precise chemical dispensing, gives you greater product control.

The reduced packaging that comes along with highly concentrated solutions also leads to less storage space. In regards to performance, accurate dilution from a dispenser contributes to better and more consistent cleaning results, and protects your surfaces from premature damage. A well cleaned establishment is also an essential component in maintaining a positive brand image.

### Benefit 7: Cost Savings

The common factor between all the benefits that come along with using a dispensing system is cost. Ultimately, the use of a chemical dispensing system will lead to an increase in cost savings in all aspects

Time savings, waste reduction, mitigated risk of injury, fewer shipments, less inventory, minimal storage space, and greater product control are all factors that contribute to making sure you get a return on your investment in a timely manner.



### Dustbane Proportioning/Dispensing Systems



The **ModularFlex** system offers the flexibility to dispense multiple highly concentrated chemicals and to configure the system as it works best for your application.

Products that can be used with this system:

- M1 Restroom Cleaner
- M6 Oxy-Q
- M7 Neutral Cleaner
- M8 Glass Cleaner
- M10 Odour Control
- M11 Degreaser



The **EnviroFlex** system can be configured with 2(1gpm)+2(4gpm) or 3(1gpm)+1(4gpm), allowing product and application flexibility and allowing you to customize the system to your needs.



The **Eco Easy Fill** is a portable, closed-loop dilution system that can be used wherever a water source is available – no mixing station required.



With **AccuMax**, dilution is controlled by drawing chemical through metering tips of varying sizes and injecting this metered amount into the water flow.



The **WorldChem** System automatically dilutes and dispenses concentrated cleaning products in a foaming and/or spraying mode.