



Smart Center™

INSTALLATION INSTRUCTIONS

1) **PARTS** (refer to parts list)

2) **INSTALLATION**

NOTE: All installations must conform with the local plumbing codes and use approved backflow preventers.

A) MOUNTING AND WATER SUPPLY

Use the mounting template enclosed to locate the mounting screw positions, or mark these positions by holding the **Smart Box™** up to the wall. Install the mounting screws, leaving approximately 1/8" extension between the wall and screw head. Before hanging on wall, connect **Smart Boxes** and **Smart Center** together with plastic clips (see figure 1). The water inlet is equipped with a female garden hose fitting (with strainer washer) for attaching a water supply hose (see figure 2). Connect the other end of the hose to a water supply. A quick disconnect set, provided, may be used at either end of the 6 ft. water supply hose.

B) CHEMICAL INJECTION ADJUSTMENT

WARNING: USE CARE WHEN HANDLING HAZARDOUS CHEMICALS. Chemical feed rates are controlled by metering tips screwed into the selector switch barbs for the 1 GPM and the 4 GPM eductors. Remove **Smart Center** top cover. Select a tip for each barb using the tip charts included with the system. Refer to Material Information Sheets on the back of the **Smart Center** for additional information (see figure 3). For air gap installation use the gray metering tip with no hole to run regular tap water through one of the 4 GPM positions. This will eliminate any splashing.

C) CHEMICAL SUPPLY

Install the 1/4" tubing by pushing tubing over a barb on the selector switch. Run the tubing through the holes in the back of the **Smart Center** and **Smart Box** (see figures 4, 5 & 6). Twist the **Smart Sac Cap** onto the **Smart Sac** fitting. Insert an in-line check valve in the run of tubing between the **Smart Sac Cap** and the **Smart Center** (see figure 6). Push the tubing over the barbs of the **Smart Sac Cap**. Place the **Smart Sac** upside down in a **Smart Box**. Repeat for each chemical supply tube on the selector for both 1 GPM and 4 GPM. Nylon ties are included for extra secure connections of the tubing.

A tee is included for teeing one product to two different ports.

*See Parts List for "Assembly Options."

D) OUTLET TUBING

Attach the long tube to the 4 GPM eductor outlet barb. A tubing hanger is provided to hang up the tubing when not in use. Attach the short discharge tube to the 1 GPM eductor. (On the 1 GPM Air Gap eductor be sure to attach both the inner and outer discharge tubes. See figure 4).

3) **OPERATION**

The **Smart Center** is now ready for use. Depressing a push button opens the water valve allowing water to flow through the chemical eductor that mixes a chemical water solution at the desired rate. The buttons are spring loaded. When pushing the 4 GPM button, a slight clockwise turn allows the valve to lock on. This makes it unnecessary for the attendant to hold the button while filling large containers. Turning the button in a counterclockwise direction will release it, allowing the valve to shut off.

REACTION-GAP DILUTION CHARTS

SMART CENTER

Tip Color/Dilution Chart	1 GPM Unit	4 GPM Unit
Product	Spray Bottles	Mop Buckets/Autoscrubbers
BUCKEYE BLUE All-Purpose Cleaner	12 oz.	2 oz.
CROSSBOW® pH Neutral, No Foam Cleaner	12 oz.	2 oz.
DYSH™ Concentrated Liquid Detergent	N/A	1/4 oz.
FOODMASTER™ CONCENTRATE Heavy-Duty Cleaner/Degreaser	16 oz.	9 oz.
JET STREAM™ Extraction Carpete Cleaner	N/A	2 oz.
LIBERATE® Heavy-Duty Foaming Cleaner	16 oz.	6 oz.
MARAUDER® Environmental General Purpose Cleaner	12 oz.	2 oz.
RAM™ Unscented Heavy-Duty Cleaner/Degreaser	16 oz.	9 oz.
SANICARE LEMON QUAT™ One-Step Disinfectant, Germicidal Detergent & Deodorant	2 oz.	2 oz.
SANICARE QUAT-64™ Broad Spectrum Disinfectant	2 oz.	2 oz.
SANICARE QUAT-256™ One-Step Disinfectant, Germicidal Detergent & Deodorant	1/2 oz.	1/2 oz.
SANI-Q™ Disinfectant Sanitizer	1/4 oz.	1/4 oz.
SCAVENGER™ Odor Eliminator	8 oz.	3 oz.
SCENTURION™ Odor Counteractant	12 oz.	3 oz.
STAR SPRAY™ CONCENTRATE Glass Cleaner	8 oz.	8 oz.
STRAIGHT-UP® pH Neutral Cleaner	12 oz.	2 oz.
TENACITY® Unscented All-Purpose Cleaner	12 oz.	2 oz.
TERMINATOR™ One-Step Disinfectant	8 oz.	2 oz.
TRUE-7™ Unscented pH Neutral Cleaner	12 oz.	2 oz.
XL-100™ Heavy-Duty Cleaner/Degreaser	16 oz.	9 oz.

SMART ONE

Tip Color/Dilution Chart	4 GPM Unit
Product	Mop Buckets/Autoscrubbers
BUCKEYE BLUE All-Purpose Cleaner	2 oz.
CROSSBOW® pH Neutral, No Foam Cleaner	2 oz.
DYSH™ Concentrated Liquid Detergent	1/4 oz.
FOODMASTER™ CONCENTRATE Heavy-Duty Cleaner/Degreaser	9 oz.
JET STREAM™ Extraction Carpete Cleaner	2 oz.
LIBERATE® Heavy-Duty Foaming Cleaner	6 oz.
MARAUDER® Environmental General Purpose Cleaner	2 oz.
RAM™ Unscented Heavy-Duty Cleaner/Degreaser	9 oz.
SANICARE LEMON QUAT™ One-Step Disinfectant, Germicidal Detergent & Deodorant	2 oz.
SANICARE QUAT-64™ Broad Spectrum Disinfectant	2 oz.
SANICARE QUAT-256™ One-Step Disinfectant, Germicidal Detergent & Deodorant	1/2 oz.
SANI-Q™ Disinfectant Sanitizer	1/4 oz.
SCAVENGER™ Odor Eliminator	3 oz.
SCENTURION™ Odor Counteractant	3 oz.
STAR SPRAY™ CONCENTRATE Glass Cleaner	8 oz.
STRAIGHT-UP® pH Neutral Cleaner	2 oz.
TENACITY® Unscented All-Purpose Cleaner	2 oz.
TERMINATOR™ One-Step Disinfectant	2 oz.
TRUE-7™ Unscented pH Neutral Cleaner	2 oz.
XL-100™ Heavy-Duty Cleaner/Degreaser	9 oz.

OTHER TIPS

4 GPM dilution rates:

- no tip 12 oz.
- grey 10 oz.
- black 4 oz.
- green 1.75 oz.
- white 1.5 oz.
- red 1 oz.
- brown .9 oz.
- light blue .8 oz.
- turquoise .4 oz.
- orange .35 oz.

OTHER TIPS

1 GPM dilution rates:

- no tip 32 oz.
- grey 26 oz.
- purple 24 oz.
- light orange 20 oz.
- green 6 oz.
- white 5 oz.
- red 4 oz.
- brown 3 oz.
- light blue 2.8 oz.
- turquoise 1.25 oz.
- orange 1 oz.
- tan .9 oz.

AIR-GAP DILUTION CHARTS

SMART CENTER

Tip Color/Dilution Chart	1 GPM Unit	4 GPM Unit
Product	Spray Bottles	Mop Buckets/Autoscrubbers
BUCKEYE BLUE All-Purpose Cleaner	12 oz.	2 oz.
CROSSBOW® pH Neutral, No Foam Cleaner	12 oz.	2 oz.
DYSH™ Concentrated Liquid Detergent	N/A	1/4 oz.
FOODMASTER™ CONCENTRATE Heavy-Duty Cleaner/Degreaser	16 oz.	9 oz.
JET STREAM™ Extraction Carpete Cleaner	N/A	2 oz.
LIBERATE® Heavy-Duty Foaming Cleaner	16 oz.	6 oz.
MARAUDER® Environmental General Purpose Cleaner	12 oz.	2 oz.
RAM™ Unscented Heavy-Duty Cleaner/Degreaser	16 oz.	9 oz.
SANICARE LEMON QUAT™ One-Step Disinfectant, Germicidal Detergent & Deodorant	2 oz.	2 oz.
SANICARE QUAT-64™ Broad Spectrum Disinfectant	2 oz.	2 oz.
SANICARE QUAT-256™ One-Step Disinfectant, Germicidal Detergent & Deodorant	1/2 oz.	1/2 oz.
SANI-Q™ Disinfectant Sanitizer	1/4 oz.	1/4 oz.
SCAVENGER™ Odor Eliminator	8 oz.	3 oz.
SCENTURION™ Odor Counteractant	12 oz.	3 oz.
STAR SPRAY™ CONCENTRATE Glass Cleaner	8 oz.	8 oz.
STRAIGHT-UP® pH Neutral Cleaner	12 oz.	2 oz.
TENACITY® Unscented All-Purpose Cleaner	12 oz.	2 oz.
TERMINATOR™ One-Step Disinfectant	8 oz.	2 oz.
TRUE-7™ Unscented pH Neutral Cleaner	12 oz.	2 oz.
XL-100™ Heavy-Duty Cleaner/Degreaser	16 oz.	9 oz.

SMART ONE

Tip Color/Dilution Chart	4 GPM Unit
Product	Mop Buckets/Autoscrubbers
BUCKEYE BLUE All-Purpose Cleaner	2 oz.
CROSSBOW® pH Neutral, No Foam Cleaner	2 oz.
DYSH™ Concentrated Liquid Detergent	1/4 oz.
FOODMASTER™ CONCENTRATE Heavy-Duty Cleaner/Degreaser	9 oz.
JET STREAM™ Extraction Carpete Cleaner	2 oz.
LIBERATE® Heavy-Duty Foaming Cleaner	6 oz.
MARAUDER® Environmental General Purpose Cleaner	2 oz.
RAM™ Unscented Heavy-Duty Cleaner/Degreaser	9 oz.
SANICARE LEMON QUAT™ One-Step Disinfectant, Germicidal Detergent & Deodorant	2 oz.
SANICARE QUAT-64™ Broad Spectrum Disinfectant	2 oz.
SANICARE QUAT-256™ One-Step Disinfectant, Germicidal Detergent & Deodorant	1/2 oz.
SANI-Q™ Disinfectant Sanitizer	1/4 oz.
SCAVENGER™ Odor Eliminator	3 oz.
SCENTURION™ Odor Counteractant	3 oz.
STAR SPRAY™ CONCENTRATE Glass Cleaner	8 oz.
STRAIGHT-UP® pH Neutral Cleaner	2 oz.
TENACITY® Unscented All-Purpose Cleaner	2 oz.
TERMINATOR™ One-Step Disinfectant	2 oz.
TRUE-7™ Unscented pH Neutral Cleaner	2 oz.
XL-100™ Heavy-Duty Cleaner/Degreaser	9 oz.

OTHER TIPS

4 GPM dilution rates:

- no tip 12 oz.
- grey 10 oz.
- black 5 oz.
- blue 2.5 oz.
- white 1.7 oz.
- red 1.5 oz.
- brown 1.25 oz.
- light blue 1 oz.
- turquoise .75 oz.

OTHER TIPS

1 GPM dilution rates:

- no tip 32 oz.
- grey 26 oz.
- green 7.5 oz.
- white 7 oz.
- red 6 oz.
- brown 5 oz.
- light blue 4 oz.
- Turquoise 1.7 oz.
- orange 1.5 oz.
- tan 1 oz.

All dilutions are approximate.