

# Dilution Control Systems

## Rapid Station Model 421050 10 GPM

### INSTALLATION INSTRUCTIONS

Please use this equipment carefully and observe all warnings and cautions.

#### NOTE

**WEAR** protective clothing and eyewear when dispensing chemicals or other materials.

**ALWAYS** observe safety and handling instructions.

**ALWAYS** direct discharge away from you or other persons or into approved containers.

**ALWAYS** dispense cleaners and chemicals in accordance with instructions. Exercise **CAUTION** when maintaining your equipment.

**KEEP** equipment clean to maintain proper operation.

**WEAR** protective clothing and eyewear when working in the vicinity of all chemicals, filling or emptying equipment or changing metering tips.

**ALWAYS** re-assemble equipment according to instruction procedures. Be sure all components are firmly screwed or latched into position.

**ATTACH** only to tap water outlets (85 PSI maximum). Adhere to all applicable plumbing codes.



**REQUIREMENT:** The incoming water supply must have a minimum 3/4 inch diameter line to produce 10 gallons per minute. The incoming water source must be a single source (cold water) line. This unit is designed to be hard plumbed and is equipped with a 3/4 NPSF for ease of installation. The installation location should be at least 12 inches above location of chemical concentrates used.

### Installation:

1. Select tip from chart (see page 2) and screw into hose barb.
2. Attach product hose (1/4") to hose barb.
3. Hold assembly to wall and mark mounting holes.
4. Drill pilot holes for screws.
5. Mount unit to wall using screws and anchors supplied.
6. Attach discharge hose to product outlet using hose clamp supplied.
7. Attach water supply hose to water inlet.

### Operation:

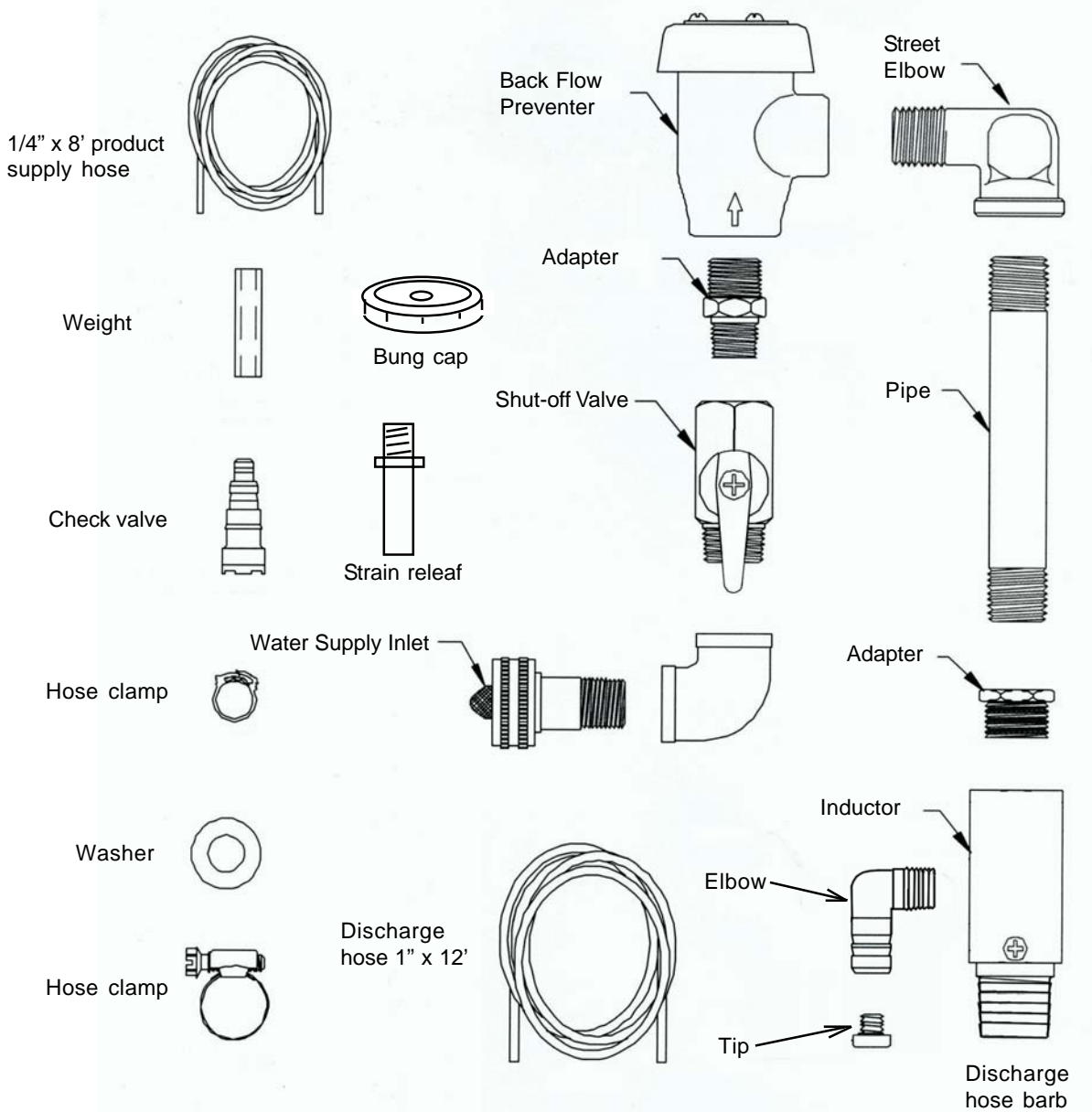
1. Turn on water source to unit.
2. Dispensing Product:
  - a. Direct discharge tube into scrubber tank.
  - b. Begin dispensing chemical by turning the valve lever all the way to the ON position. **CAUTION:** Lever must be turned all the way to ON position to dispense concentrates in correct proportions. Unit will draw chemical concentrate once water in discharge hose backs up to inductor.
  - c. Turn off lever when tank is filled.



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## Recommended branded product tips

Product	Heavy Cleaning Dilution	Tip Color	Normal Cleaning Dilution	Tip Color
Formula 305	1:16	white	1:64	black
Formula 340	1:32	blue	1:128	pink
Citrus Assault	1:8	No tip	1:64	black
Blue Blazes	1:32	blue	1:128	pink
Tough Green	1:32	brown	1:128	turquoise
Century Maintenance	1:32	blue	1:128	pink
Fury Degreaser	1:16	white	1:64	black

## General products tipping (50psi 9GPM)

Tip Color	OZ/ GAL	Ratio
Clear	0.21	606.3:1
Purple	0.26	496.9:1
Yellow	0.44	288.6:1
Green	0.83	155.0:1
Pink	0.95	134.1:1
Turquoise	1.57	81.6:1
Black	2.01	63.6:1
Gray	2.64	48.4:1
Red	3.40	37.7:1
Blue	4.11	31.1:1
Brown	5.64	22.7:1
White	7.19	17.8:1
Orange	8.71	14.7:1
None	14.88	8.6:1