

INSTALLATION AND OPERATION INSTRUCTIONS ACID DRUM BUNG MOUNT W-25HC SPRAY-ALL COMPLETE

IMPORTANT: SPRAY-ALL SUPPLIED WITHOUT A BACKFLOW PREVENTER

TO PREVENT POSSIBLE CHEMICAL BACK UP INTO THE WATER SYSTEM, COMPLY WITH LOCAL PLUMBING CODES AND INSTALL APPROPRIATE BACKFLOW PREVENTER.

CAUTION: ALWAYS OBSERVE GOOD SAFETY HABITS. WEAR PROTECTIVE CLOTHING, GLOVES AND EYE WEAR. DIRECT DISCHARGE AWAY FROM YOURSELF AND OTHERS..

TO INSTALL (See Parts Diagram, Over)

1. Mount the spray-all to your chemical drum.
2. **Spray-All supplied without a backflow preventer. To prevent possible chemical back up into the water system, comply with local plumbing codes and install appropriate backflow preventer.** Then connect your 35 – 100 PSI water supply to the spray-all.
3. Connect the hose to the hose barb and the wand assembly as shown in the diagram. **[Hose must be 1/2" I.D.]**
4. *Stapled to these instructions, with a matching color-coded chart, are metering tips which control your chemical to water dilutions. [THIS IS A HIGH CONCENTRATE UNIT. Although metering tips and selection instructions are provided, do not install a tip if you want to achieve the strongest possible chemical concentration.]* If you will be using a tip, you will need to know the water pressure and the number of ounces of chemical needed per gallon of water to determine the correct tip color. *(See chemical label for manufacturer's recommendation.)*
 - A. Locate your water pressure in the chart. The number below it is your water flow rate in **gallons per minute**.
 - B. Multiply the **gallons per minute** by the number of **ounces of chemical needed per gallon** of water.
 - C. Match your answer to the *nearest* number in the metering tip selection chart below to determine the tip color. **[Tip selection chart is based on water-thin chemical. Thicker chemicals will require a larger metering tip. If selected tip does not produce desired cleaning results, increase tip size until desired cleaning results are achieved.]**

EXAMPLE OF METERING TIP SELECTION W-25HC Spray-All at 60 PSI

- 60 PSI = 1.54 GPM
- 8 ounces of chemical per gallon of water
- 1.54 x 8 oz. = 12.32 ounces of chemical
- 12.32 ≈ 12.5 for thin chemical (Burgundy tip)
(thicker chemicals will require a larger tip)

- D. Install selected metering tip into the solution check valve. Retain the remaining tips for future adjustments. Next, push the chemical tube over the solution check valve. Immerse the chemical strainer into your chemical concentrate.

TO OPERATE

1. Make sure the discharge ball valve is closed, then completely open the water ball valve.
2. While holding the wand, point the discharge away from yourself and others. Completely open the discharge ball valve and begin application.
3. When application is completed, close the discharge ball valve. Return to the spray-all and close the water ball valve.
4. For proper storage between uses, relieve the pressure in the hose by quickly opening then closing the discharge ball valve.

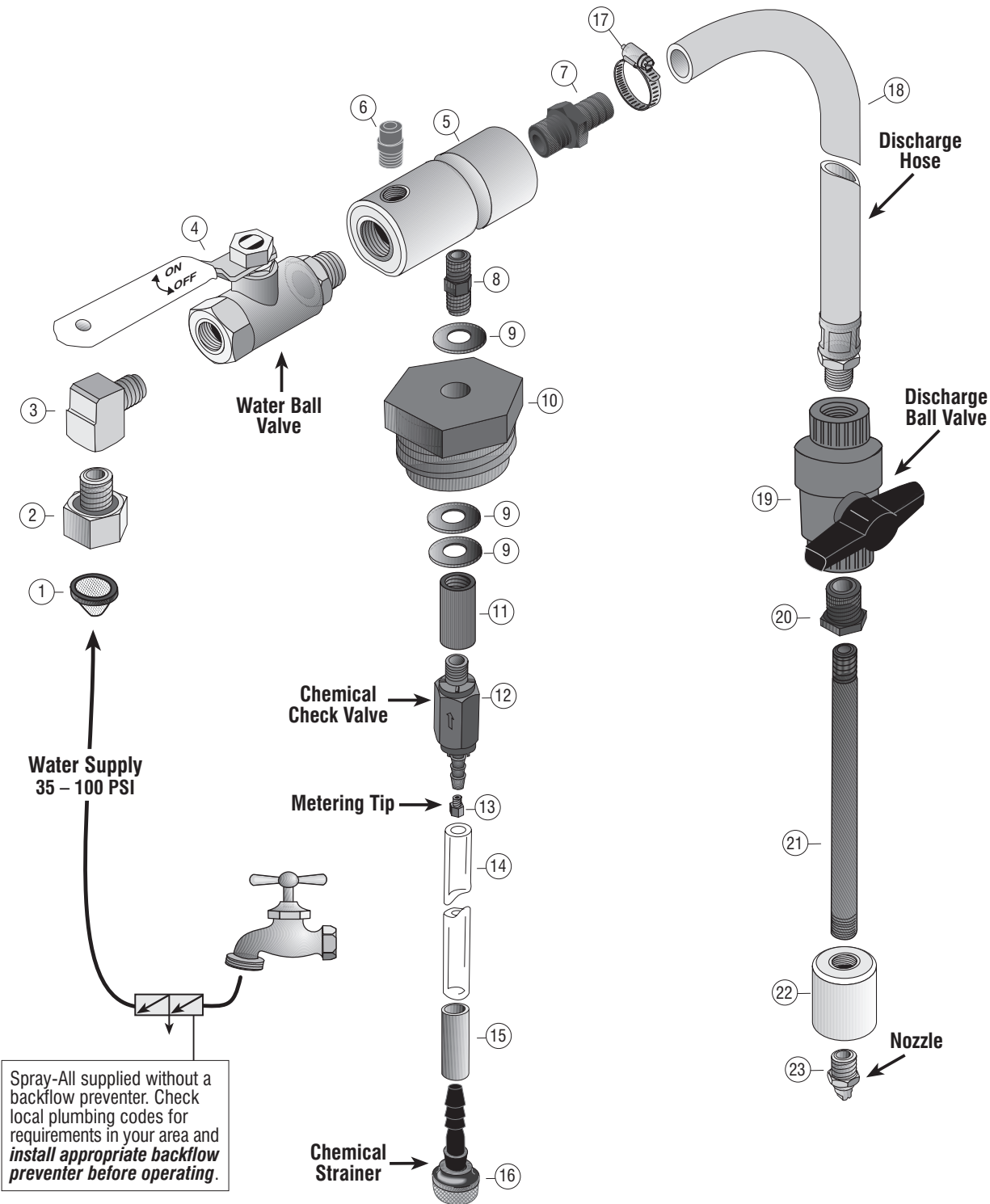
NOTE: Shut down after each use! Do not leave the spray-all unattended for extended periods without closing the incoming valve and relieving pressure in the hose.

DBM W-25HC Spray-All Flow Chart		WATER PRESSURE IN POUNDS PER SQUARE INCH (PSI)						
		40 PSI	50 PSI	60 PSI	70 PSI	80 PSI	90 PSI	100 PSI
Injector	Nozzle	WATER FLOW RATE (GPM)						
W-25HC	2550	1.34 GPM	1.46 GPM	1.54 GPM	1.59 GPM	1.76 GPM	1.80 GPM	1.91 GPM

The number under each color in the chart below represents the **average ounces of water-thin chemical which will pass through the tip per minute.**

METERING TIP SELECTION IN OUNCES PER MINUTE (AVERAGE)																				
COLOR	Brown	Clear	Bright Purple	White	Pink	Corn Yellow	Dark Green	Orange	Gray	Light Green	Medium Green	Clear Pink	Yellow Green	Burgundy	Pale Pink	Light Blue	Dark Purple	Navy Blue	Clear Aqua	Black
Thin Chemical	0.84	1.16	1.4	2.0	2.7	3.4	4.0	5.3	6.1	7.0	8.5	9.2	11.2	12.5	12.9	14.2	17.6	21.4	30.2	40.4

Acid Drum Bung Mount W-25HC Spray-All Complete – Model # 972125



CALL #	QTY.	PART #	DESCRIPTION	CALL #	QTY.	PART #	DESCRIPTION
1	1	102050	Adapter Washer GH, W/Screen	13	1	443798	Metering Tips-Color Coded (20)
2	1	102023	Adapter, NPB, FGH x 3/8" MPT	14	1	473006	Tube, Chemical, 1/4" x 6'
3	1	257380	Elbow, St., NPB, 3/8"	15	1	475100	Weight, PVC, Chemical Tube, 1/4"
4	1	413626	Ball Valve, SS, 3/8" FM	16	1	150115	Strainer, Chemical, Hastelloy, 1/4"
5	1	381025HCS	3/8" Injector Body, PP, W-25HC, w/ Siphon Port	17	1	134302	Hose Clamp, 1/2"
6	1	491300	Solution Siphon Breaker, PP/VITON, 1/4"	18	1	803650	Hose, Blue, 1/2" x 50', 1/2" MPT (One End)
7	1	119267	Hose Barb, PP, 1/2" x 3/8" MPT	19	1	413730	Ball Valve, PVC, 1/2" FF
8	1	429900	Nipple, PVC, 1/4" x 1 1/2"	20	1	305250	Bushing, PP, 1/2" x 3/8"
9	3	102045	Adapter Washer GH	21	1	536611	Wand, PP, 28", 3/8" MPT x 3/8" MPT
10	1	750235	Adapter, PVC, 2" MPT X 3/8"	22	1	182006	Nozzle Protector, PP, 3/8" FPT x 1/4" FPT
11	1	506877	Coupling, PVC, 1/4"	23	1	181150	Nozzle, PVC, 1/4" – 2550
12	1	491402	Check Valve, Chemical, PP, 1/4" HB				