

Wall Mount Spray System (EQFSWMSS)



Package Contents:

1. Complete unit mounted on stainless steel front plate
2. (2) 7-Foot vinyl product suction tubes with foot strainers
3. (1) Metering tip kit
4. (4) Screws and (4) wall anchors for wall mounting (use 9/32" drill)
5. Parts list and product structure diagram
6. (2) Black Cap quick connects
7. 6' Water inlet hose
8. Quick connect ball valve assembly
9. Foam wand
10. Spray gun with quick connect
11. (1) Food Service label, (1) Shower/Restroom Maintenance label.

Safety Note

- **WEAR** protective clothing and eyewear when dispensing chemicals or other materials.
- **ALWAYS** observe safety and handling instructions of the chemical manufacturers.
- **ALWAYS** direct discharge away from you or other persons or into approved containers.
- **ALWAYS** dispense cleaners and chemicals in accordance with manufacturer's instructions. Exercise CAUTION when maintaining your equipment.
- **CLEAN** equipment after each use in accordance with instruction sheet.
- **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).

Installation and Operating Instructions:

1. Attach unit to wall using hardware provided.
2. Attach red Food Sanitation Spray System label in-between valves on stainless steel cover. Discard green Shower and Restroom Maintenance Unit label.
3. Metering tips are pre-selected and installed for Food Service Degreaser # 2258 (Aqua) and Quat Rinse # 2331 (Lt. Purple). See dilution chart on page 2 for alternative tip selection. Install chemical inlet tube on hose barb.
4. Install chemical inlet tube on hose barb using one of the following two methods:
 - a. Foot valve and weight for gallons, pails and other "open" containers.
 - Drop strainer end of suction tube directly into concentrate container.
 - b. Black cap quick connects for 2.5-gallon plastic "closed" containers.
 - Cut suction tube above strainer. Slide black cap quick connect over tube.

Note: To ensure prime, we recommend installing dual barb check valves (#EQBIBCKVALV) in between inlet tubes closest to concentrate (see page 3 diagram). Dual-barb check valves not included.
5. Connect water inlet hose with 3/4" male garden thread to female swivel at top left side of unit. Tighten to avoid leaking.
6. Connect discharge hose to male 3/4" discharge provided at bottom of unit. Hose of 1/2" ID is recommended if the hose length will be 50 feet or less. Use 3/4" ID hose if the total length of the hose will exceed 50 feet.
7. Turn on water supply to unit. Minimum 25 PSI water pressure is required to operate the unit.
8. Turn on product valve to begin proportioning and dispensing. Shut off the valve and turn on rinse (bottom) lever for full volume rinse. Note: You may only use either one product or the rinse feature - only one valve may be in use at a time.

PRODUCT DILUTION CHART

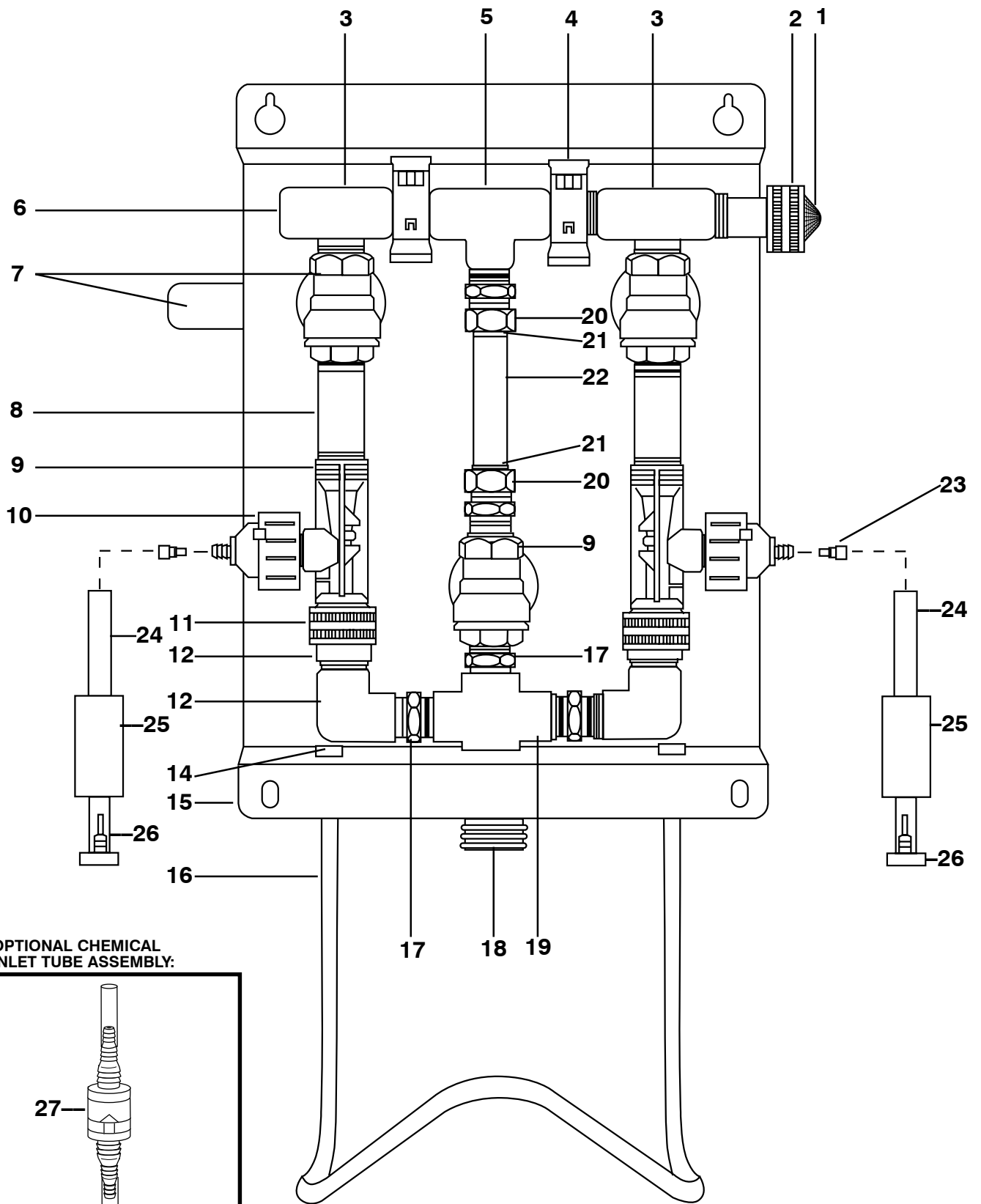
Product	Dilution	Recommended Tip
Food Service Degreaser #2258	1:170 1:128 1:96 1:64	Aqua Yellow Brown Green
Non-Corrosive Food Degreaser #2259	1:128 1:96 1:64	Yellow Brown Green
Quick Suds #358	1:64 1:32 1:20	Green Tan Red
Foaming Restroom & Shower Cleaner #605	1:64 1:32 1:20	Tan Red Black
Quat Rinse #2331	1:512	Lt. Purple

APPROXIMATE DILUTIONS AT 40 PSI FOR WATER-THIN PRODUCTS (1.0 CP)			
	Orifice Size	(Std. Drill Number)	Ratio
No Tip	.187	(3/16)	3.5:1
Red	.052	(55)	14:1
Blue	.040	(60)	24:1
Tan	.035	(65)	30:1
Green	.028	(70)	45:1
Orange	.025	(72)	56:1
Brown	.023	(74)	64:1
Yellow	.020	(76)	90:1
Aqua	.018	(77)	128:1
Purple	.014	(79)	180:1
Black	.011	(89)	256:1
Pink	.010	(87)	350:1
Lt. Purple	.009	(89)	460:1

PARTS LIST (Refer to diagram)

Key #	Part Number	Description	Key #	Part Number	Description
1	238100	Strainer washer	18	328900	Hose connector adapter
2	276700	Connector swivel(includes a,b)	19	133200	Cross
a.	276701	Swivel stem	20	10082900	Compression fitting(includes a,b)
b.	506502	Swivel nut	a.	10082905	Body
3	133000	Branch tee	b.	10082906	Compression nut
4	10041701	Clamp	21	10082901	Brass sleeve for tubing
5	347900	Tee	22	10082950	Tube, cut
6	10075925	Pipe plug	23	690014	Metering tip kit
7	10084020	Ball valve (includes a,b)		690003	Purple tip
a.	133105	Yellow handle sleeve		690016	Aqua tip
b.	10084021	Acorn nut for valve handle	24	500814	Chemical inlet tube
8	10067810	Pipe nipple	25	509900	Ceramic weight
9	440800	3.5 GPM eductor	26	609600	Foot strainer
10	10069270	Check valve - Viton* EPDM available order # 10069271	OPTIONAL:		
11	506502	Swivel nut	27	10076303	Dual barb check valve (not included)
12	276800	Swivel stem, short	28	EQFSJUGFIT	Black cap quick connect (2 included)
13	604300	Discharge elbow	NOT SHOWN:		
14	2434-2	Nut		324900	6' water inlet hose
15	10084050	Cover		123	Quick connect ball valve assm.
16	605400	Hose hanger		124	Foam wand
17	470100	Hex nipple		90022610	Black gun w/male quick connect

Wall Mount Spray System Parts Diagram:



Troubleshooting Guide:

Problem	Cause	Solution
1. No discharge	a. No water b. Excessive water pressure c. Eductor clogged	a. Open water supply b. Install regulator if pressure exceeds 85 PSI c. Clean* or replace
2. No concentrate draw	a. Clogged check valve b. Metering tip clogged c. Eductor clogged d. Clogged water inlet e. Clogged foot strainer f. Low water pressure and/or volume g. Concentrate container empty h. Check valve not screwed into eductor firmly	a. Clean or replace b. Rinse in hot water or replace: DO NOT REAM CLEAN! c. Clean or replace d. Clean screen e. Clean or replace f. Minimum 25 PSI and 4 GPM flow required to operate unit g. Replace with full container h. Tighten, but DO NOT OVER TIGHTEN!
3. Excess concentrate draw	a. Metering tip not in place (Or wrong metering tip)	a. Press correct tip firmly into barb
4. Water flow won't shut off	a. Ball valve defective	a. Replace
5. Leaks at plastic tube	a. Compression nut loose	a. Tighten nut 1/2 turn
6. Low or no water flow	a. Inlet screen clogged b. Supply source inadequate c. Scaled eductor or fittings	a. Clean or replace b. 4 GPM flow necessary to unit. Move unit or replumb incoming line. c. Clean* or replace
7. Backflow into concentrate	a. Eductor check valve inoperable	a. Clean or replace check valve

* In hard water areas, scale (mineral deposits) may form at the discharge of the eductor. This scale may be removed by soaking the eductor in a descaling (deliming) solution or by running the descalant through the system. When removing an eductor for soaking, firmly grasp the eductor and unthread the adapters located above and below the eductor. Replace in the same manner.

