

LE- 82AS

LIQUID HANDLING ASSEMBLIES

MATERIALS

Fittings	PVC
Seal Rings	Teflon
Balls	Ceramic
Head	Plexiglass
Liquifram	Teflon Face
Suction	.250" OD Polyethylene
Discharge	.250" OD Polyethylene

lift is 5 ft. (1.5m).

2. Follow same procedure (seeB) in connecting suction tubing to suction valve and foot valve.

D. PRIMING

1. Connect pressure release tubing to pressure release port.
2. Route tubing to solution reservoir and anchor with plastic tie provided.
3. Set pump at 60% speed and 100% stroke. Start pump.
4. Pull on Pressure Release knob (red or black knob), holding knob out until chemical is visible through translucent return tubing.
5. Pump is now primed.

NOTE:

(a) Pump is normally self-priming if suction lift is no more than 5 ft. (1.5m), valves in the pump are wet with water (pump is shipped from factory with water in pump head) and the above steps (D1 thru D5) are followed.

(b) If the pump does not self prime, remove Anti-Syphon/Pressure Release Valve Assembly and discharge valve ball and pour water or chemical slowly into discharge port until head is filled. Replace valve ball and valve assembly and follow steps D1 thru D5 thereafter.

E. DEPRESSURIZING DISCHARGE LINE

1. It is possible to depressurize discharge line and pump head without removal of tubing or loosening of fittings.

Be sure injection check valve is properly installed and is operating. If a gate valve or globe

has been installed, downstream of injection check valve, it should be closed. Be certain relief tubing is connected and run to chemical reservoir.

2. Pull on both anti-syphon and relief knobs.
3. The discharge line is now depressurized.
4. If injection check valve is of higher elevation than pump head, disconnecting tubing at injection check valve end will allow air to enter and cause chemical to drain back to tank.



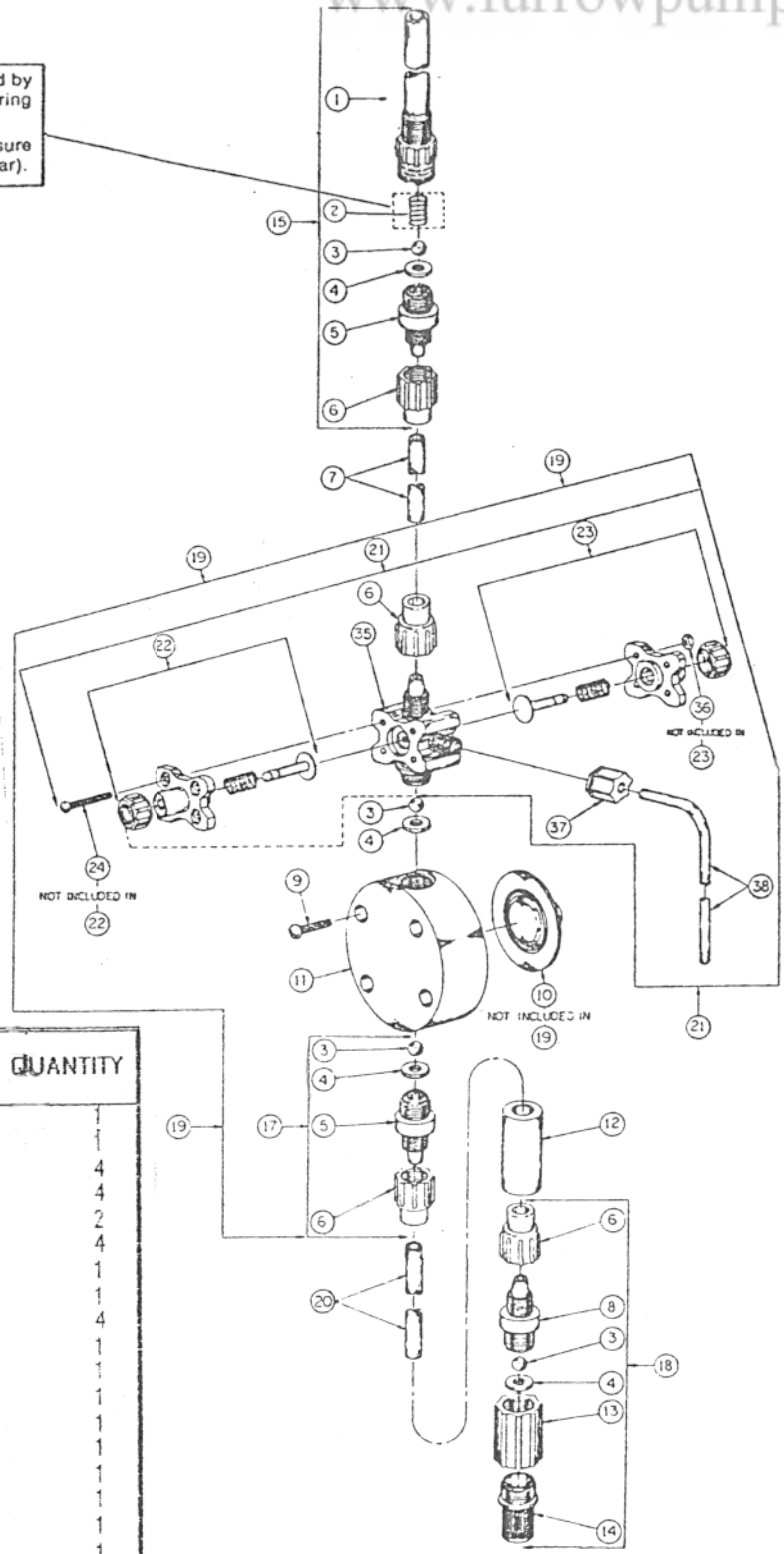
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1. Maximum pump pressure rating is reduced by 25 psi (1.7 bar) with back pressure spring installed.
2. Do not remove back pressure spring if pressure at injection point is less than 20 psi (1.4 bar).

NOTE:
Threaded connections into pump head are 1/2"-16 straight threads. Do not use Teflon tape. These joints are sealed by seal ring valve seats (Item 4 on exploded view).



KEY NO.	PART NO.	DESCRIPTION	QUANTITY
1	10361	Injection Nozzle Fitting	1
2	10339*	Spring	1
3	10338*	Ball, Ceramic	4
4	10407*	Seal Ring, Teflon	4
5	10492	Valve Seat, Gray PVC	2
6	10211	Coupling Nut	4
7	10142-16	Tubing, Polyethylene, 5" O.D.	1
8	10493	Valve Housing, Gray PVC	1
9	10340	Screw, 10-24 x 3/4" SS	4
10	10302*	Liquifram, 0.9 SI Teflon	1
11	10213	Head, 0.9 SI	1
12	10322	Weight, Ceramic	1
13	10978	Foot Valve Seat	1
14	10123	Strainer, Polypropylene	1
15	10375	Inj. Check/Back Pressure Valve Asm	1
17	25202	Suction Valve Asm	1
18	25204	Foot Valve Asm	1
19	25835	Head Asm, LE-82AS	1
21	29010	Anti-Syphon/Pressure Relief Valve Asm	1
22	28447	Relief Cap Assembly	1
23	27045	Anti-Syphon Cap Asm	1
24	25627	Screw, 6-32 x 1.25" S.S.	4
35	26856	Valve Body	1
36	25628	Nut, Hex 6-32 SS	4
37	25631	Coupling Nut	1
38	25836-10	Tubing, .250" OD Polyethylene	1
	10156	Plastic Tie (not shown)	1

* Parts included in Spare Parts Kit SP-U1