

LE 95VP LIQUID HANDLING ASSEMBLY

For Series A & B
with 0.9 Liquifram

CAUTION

When pumping chemicals make certain that all tubing is securely attached to the fittings. It is recommended that tubing or pipe lines be shielded to prevent possible injury in case of rupture or accidental damage. Always wear protective clothing when working on or near chemical metering pump.

MATERIAL

Fittings	Polypropylene
Seal Rings	Viton
Balls	Ceramic
Head	Polypropylene
Liquifram	Teflon Face
Suction	1/4" NPT
Discharge	1/4" NPT

A. INSTALLING INJECTION CHECK VALVE

1. The injection check valve should always be installed as close as possible to the point of chemical injection, at the very end of the piping run.
2. Purpose of injection/anti-syphon valve is to prevent backflow from *treated line* and to prevent syphoning or overpumping of chemical.
3. A 1/2" NPT female fitting with sufficient depth will accept the injection/anti-syphon valve.

B. CONNECTING DISCHARGE PIPE

Note: Corrosion resistant, 1/4" Schedule 80 pipe should be used. Do not use 1/2" pipe.

1. Discharge valve has 1/4" NPT male outlet. A 1/4" union should be connected to both discharge and suction valves so that chemical metering pump may be removed without disturbing piping.

It is recommended that Teflon tape be used on tapered pipe threads so that there is a leakproof seal without overtightening of fittings.

C. CONNECTING SUCTION PIPE

1. Using the same size and material pipe as used on discharge line, cut suction pipe to required length.

2. Use of Teflon tape on tapered pipe threads is again highly recommended, to be sure connections are leakproof. Suction side leaks are invisible but if a leak is present pump will suck in air during each suction stroke.
3. Maximum recommended vertical suction lift is 5 ft. (1.5m).

D. PRIMING

1. Temporarily loosen the union on top of discharge valve.
2. Set pump at near maximum (80%) speed and 100% stroke and start pump.

"B" and "D" series stroke cannot be adjusted until pump is operating electrically. Turn lower knob while unit is stroking.

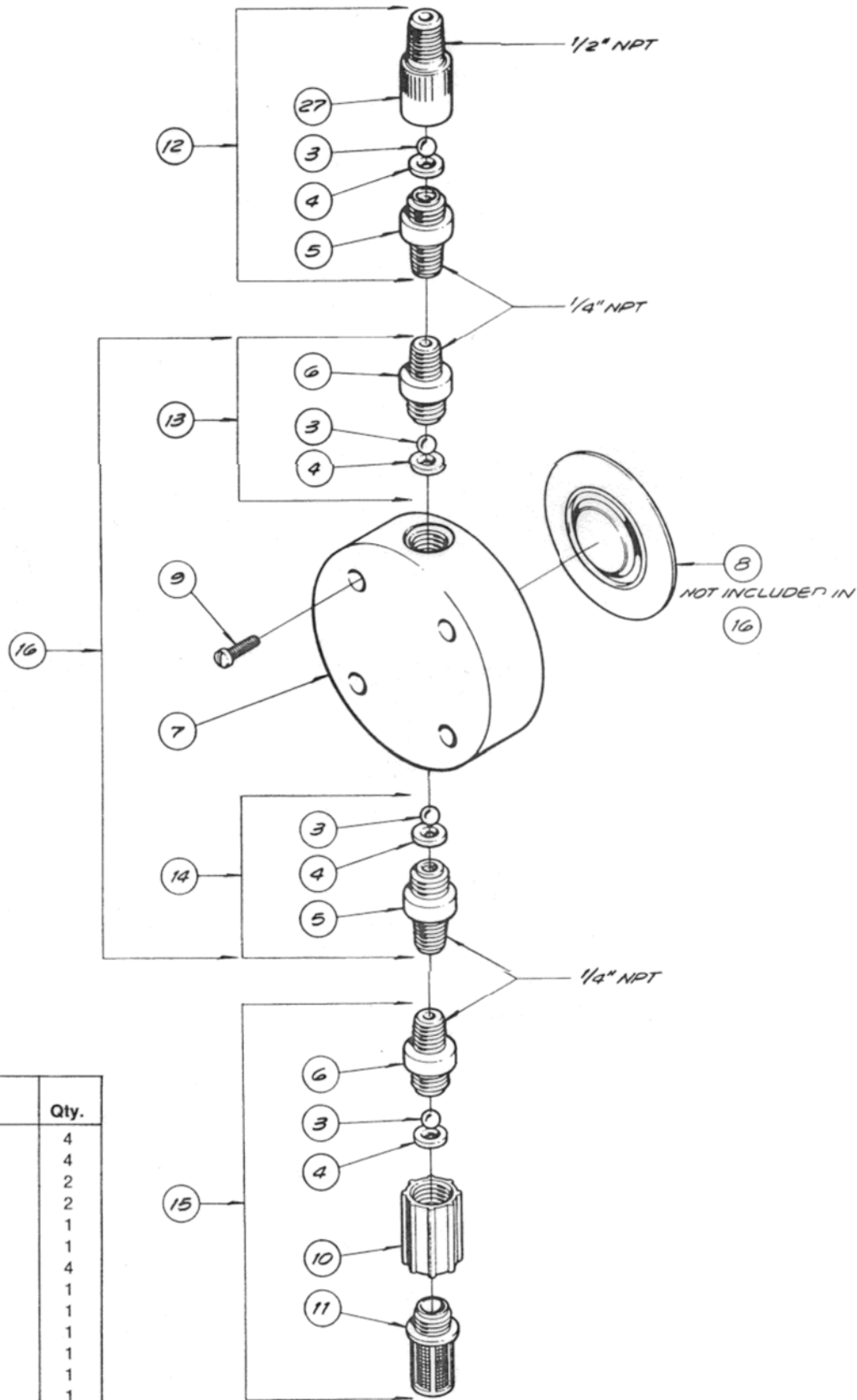
3. As soon as chemical begins to leak at the union on top of discharge valve, stop the pump.
4. Pump is now primed.
5. Tighten union on top of discharge valve.



LIQUID METRONICS INCORPORATED

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



LE 95VP

Key No.	Part No.	Description	Qty.
3	10338*	Ball, Ceramic	4
4	10207*	Seal Ring, Viton	4
5	10792-1	Valve Seat, Polypro, 1/4" NPT	2
6	10793-1	Valve Hsg, Polypro, 1/4" NPT	2
7	10313M	Head, Polypro	1
8	10302*	Liquifram, 0.9 SI, Tf Face	1
9	10340	Screw, SS	4
10	10978	Foot Valve Seat, black Polypro	1
11	10123	Strainer, white Polypro	1
12	26944	Inj/Anti-Syphon Valve Asm.	1
13	26467	Discharge Valve Asm.	1
14	26468	Suction Valve Asm.	1
15	26469	Foot Valve Asm.	1
16	26470	Head Asm., LE 95VP	1
27	10394	Inj. Fitting	1

* PARTS INCLUDED IN SPARE PARTS KIT NO. SP-95VP