CE-500 Siphon Filler

For acids, chemicals, cologne, cosmetic detergents, extracts, foaming liquids, juices, liquid soaps, liquor, medicinals, oils, shampoo, solvents, syrups, vinegar, wine and many other liquids.

- An economical unit for medium and small production filling
- Fills containers ranging in size to 1 gallon.
- Handles Free-flowing and low viscosity liquids of all types
- Uniform fill improves package appearance.
- Unskilled operators keep operating costs at a minimum.
- Ruggedly built for years of lasting satisfaction.
- Quality workmanship for accurate and dependable operation.

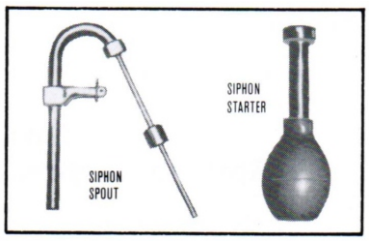
For maximum production, eight siphon filling spouts are generally used for most container sizes up to and including quarts. Five spouts are recommended when handling half-gallons and gallons. Selection of filling nozzle size depends principally on the size of the container and mouth opening. The filler will handle from 3 to 30 containers per minute depending on the product, size of container and nozzle size required.

Standard Spouts

Are available for containers up to 1 gallon.

Part No.	Inches	MM
302-235	3/8" O.D.	10
302-240	1/2" O.D.	13
302-245	5/8" O.D.	16
302-250	3/4" O.D.	19
302-335	1/2" O.D.	13
302-355	3/4" O.D.	19

Nozzles longer than standard available.



Dimensions & Weights

Standard Overall Height	44"
Floor Space	22" x 37½"
Standard Height of Inlet from Floor	40½"
Net Weight (Approx.)	115 lbs.
Domestic Shipping Weight (Approx.)	155 lbs.

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Operation

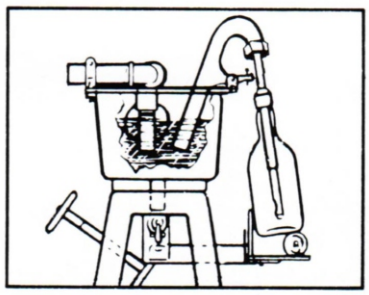
Our CE-500 Siphon Fillers operate on the simple and age old principle employed in siphoning liquid from one container to another. When the level of the liquid in the two containers is balanced, the flow automatically stops. This proven principle makes filling easy. Each container will fill to a uniform height without overflow, since each container will fill only to the level of the liquid in the tank The level in the tank is automatically maintained to a preset position by a valve controlled by a float inside the tank.

The liquid flows freely as soon as the container is placed into position on the rack. The operator places containers on the rack continuously so that by the time the last container is in position, the first is filled. An empty replaces the first filled container and the process is repeated.

The supply for the siphon filler can be maintained by gravity feed from a raised storage tank or it can be pumped into the filler tank from a low container.

The ease with which spouts can be interchanged is a welcome feature on the CE-500 Siphon Fillers. It permits filling containers of various sizes by simply removing a pin and replacing with another spout.

Spouts have nozzle assemblies so that they are also interchangeable by substituting different size nozzles on the base of the spouts.



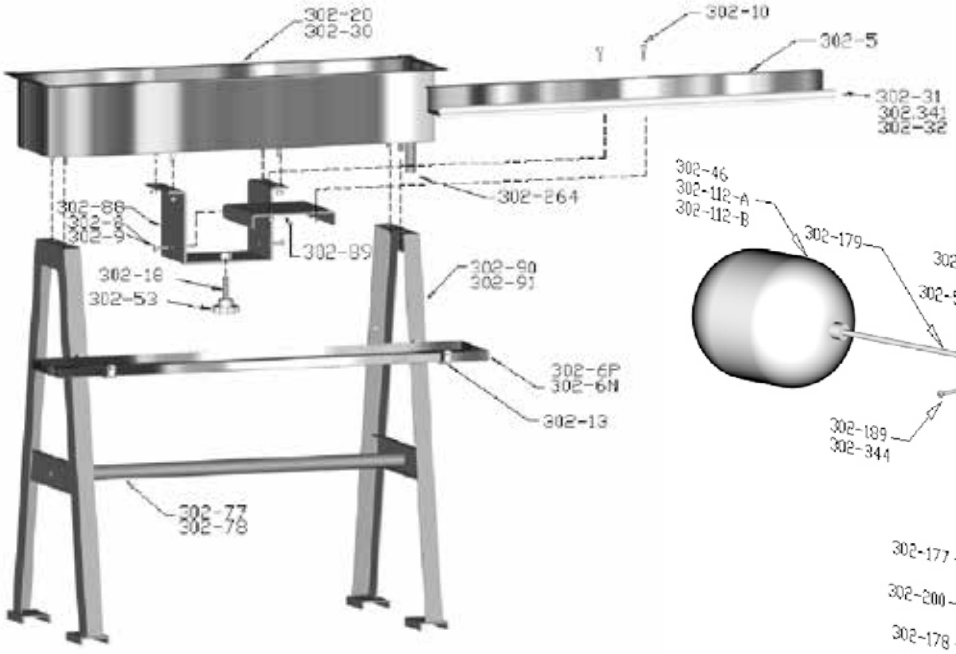
Construction

CE-500 Siphon Fillers are built with polished type 304 stainless steel tanks, drain trays, bottle racks, saddle bars and fittings; supported by painted steel stands with bottle height controls. AT-316 float valve inlet controls the liquid level. Spouts are T-316 SS. Fillers come complete with siphon starter, saddles, drain cocks and fittings as required, ready for immediate use.

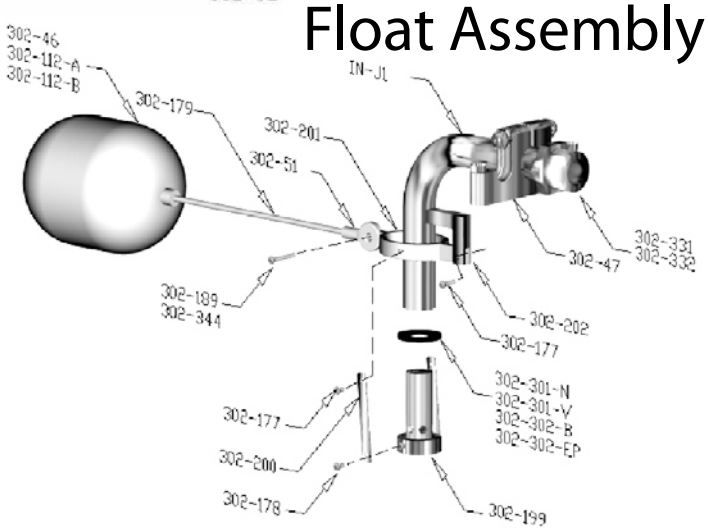
T-316 SS tanks are available on special order. A complete line of fittings, adapters and valves is available. Covers are not supplied as standard but are available if desired.

Units can be supplies with different quantities and sizes of filling spouts, which consist of a goose-neck with a removable stainless steel tub attached. A second tube with a weighted drop slides over the inner tube and in the closed position, rests on a seat at the end of the tube, stopping the flow from the opening on the inner tube.

Stand and Tank Assemblies



Float Assembly



STAND & TANK ASSEMBLIES

302-10	¼-20 Hardware (pair)
302-13	Drip Pan Supports (pair)
302-18	Bottle Rest Threaded Height Adjustment Screw
302-20	Tank, T-316 S.S. (no saddle bar)
302-211-S	Hooded Cover with open front T-304 S.S.(not shown)
302-264	Drain Cock
302-3	Saddle Rail with 2 S.S. Screws (not shown)
302-30	Tank, T-304 S.S. (no saddle bar)
302-31	White Hose for Bottle Rest (includes dowel & caps)
302-32	Wood Dowel for Bottle Rest
302-341	End Caps on hose bottle rest
302-5	Bottle Rest Assembly
302-53	Hand Wheel for Height Adjustment Bracket
302-6N	Drip Pan, T-316 S.S.
302-6P	Drip Pan, T-304 S.S.
302-77	½-13 Threaded Rod
302-78	Support Pipe
302-8	Hinge Pin
302-88	Bottle Rest Bracket
302-89	Height Adjust Bracket
302-9	Cotter Pin
302-90	Stand – Mild Steel (pair)
302-91	Stand – T-304S.S. (pair)

FLOAT ASSEMBLY

302-112-A	Float Ball, T-304 S.S.
302-112-B	Float Ball, T-316 S.S.
302-177-78	Round Head Machine Screw, T-316 S.S. for inlet valve
302-179	Inlet Float Rod w/ Float Ball Rod
302-189/344	1/4 x 20 Cap Screw & Wing Nut
302-199	Shut-off valve for inlet assembly, T-316 S.S. (2"lg)
302-200	Straps for Shut-off Valve
302-201	Stirrup for Inlet Assembly, T-316 S.S.
302-202	Angle Brackets for Inlet Assembly
302-218	Reducing Hex Nut for Inlet Valve, T-316 S.S
302-265	1" Ball Valve for Inlet, T-316 S.S.
302-301-N	Inlet Valve Gasket, Neoprene
302-301-V	Inlet Valve Gasket, Viton
302-302-B	Inlet Valve Gasket, Buna-N
302-302EP	Inlet Valve Gasket, EPDM (for use with acetone)
302-331	Sanitary (Acme) Inlet Ferrule, T-316 S.S.
302-332	Sanitary (clamp on) Inlet Ferrule,
302-46	Float Ball, Polypropylene
302-47	Inlet Tube Holder
302-70	Inlet Valve Mount Support (not shown)
IN-J-1A	Inlet Subassembly, T-316 S.S. Float Valve Assembly, T-304 S.S. Float Ball
IN-J-2	Inlet Subassembly, T-316 S.S. Float Valve Assembly, T-316 S.S. Float Ball
IN-J1	Inlet Subassembly, T-316 S.S. Float Valve Assembly, Polypropylene Float Ball

Spout Assembly Tightening Instructions

To tighten nozzle put a pencil through the holes at the tip of the nozzle and turn. Pencil will break before gasket is cut or tube is damaged.(USE pencil only)