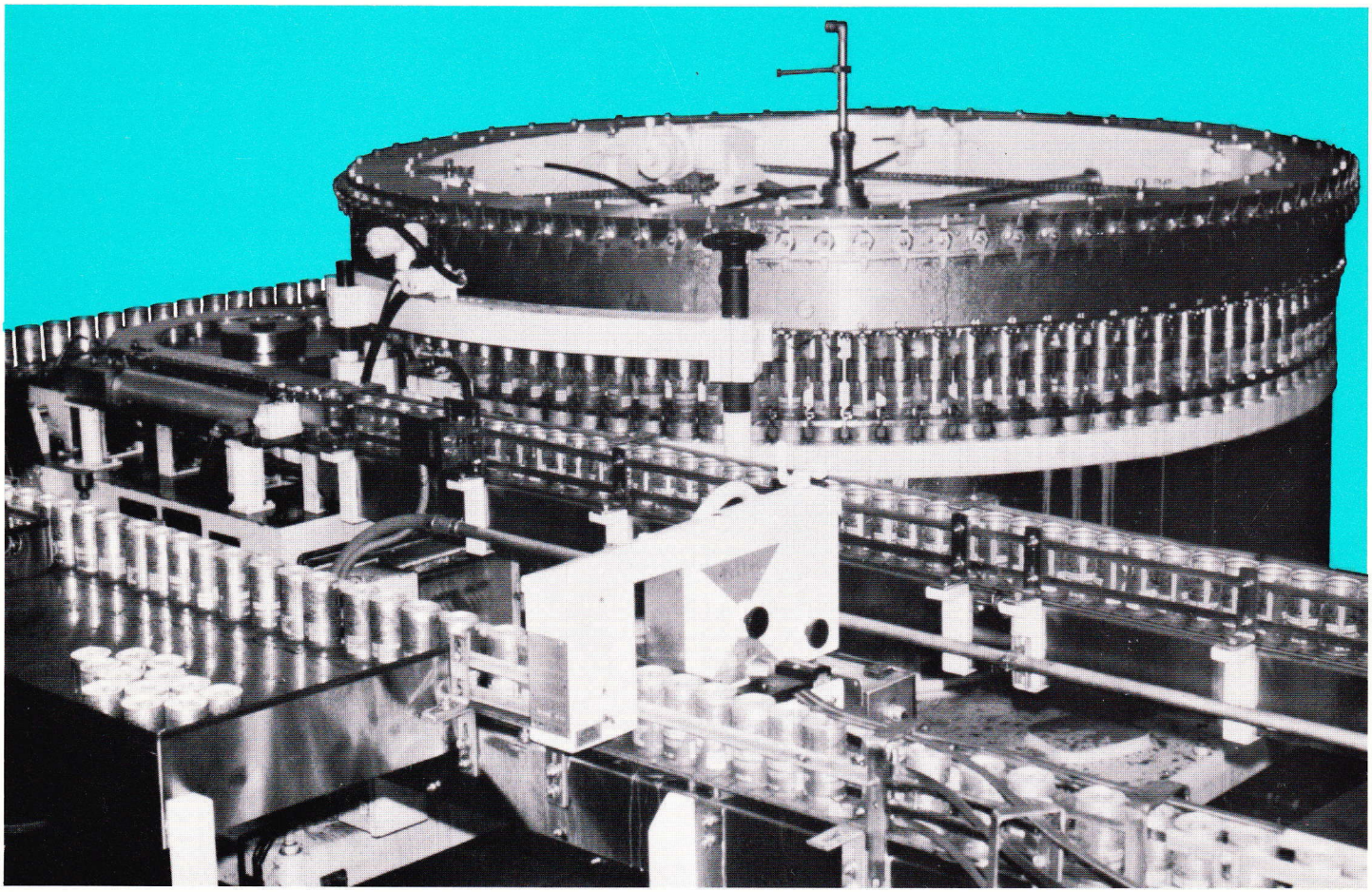
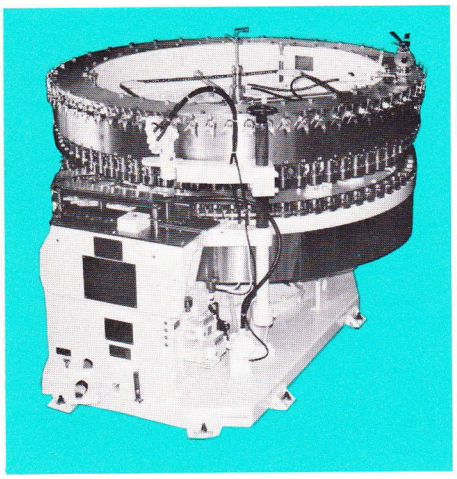
High efficiency fillers for soft drink cans

CROWN

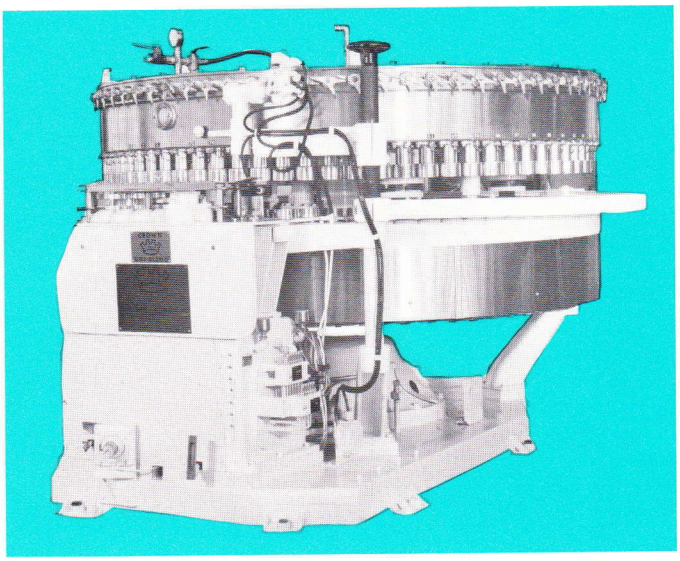


Maximum output with reduced maintenance costs

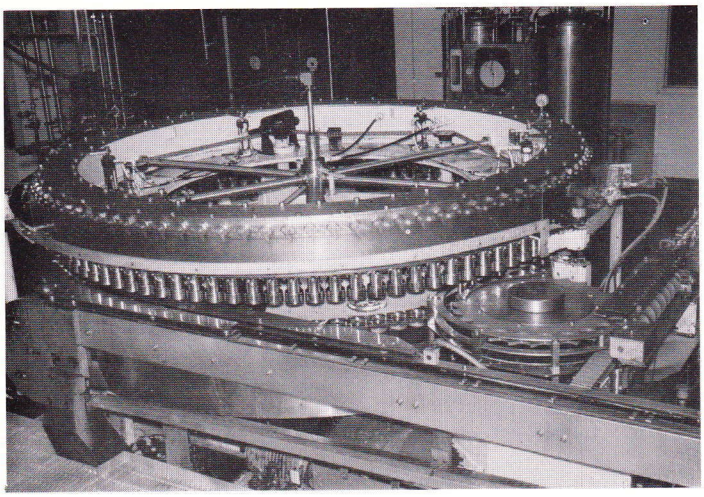
From 575 to 2000 CPM



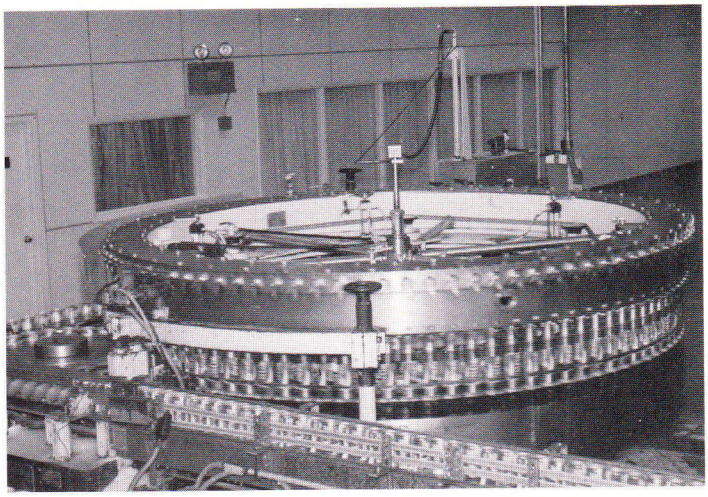
40-valve filler—575 CPM
The 40-valve Crown soft drink can filler has a productive capacity of over 575 12 oz. (U.S.) cans per minute with an Angelus 61H or other suitable seamer.



72-valve filler—1000 CPM
The 72-valve can filler has a rated speed of over 1000 12 oz. cans per minute with an Angelus 120L, Continental 649 and 751, or other suitable seamer.



100-valve filler—1500 CPM
The 100-valve Crown model can be operated with an Angelus 120L-G15, Continental 649 and 751, or other suitable closing machine, and has a rated capacity of 1500 12 oz. (U.S.) cans per minute.



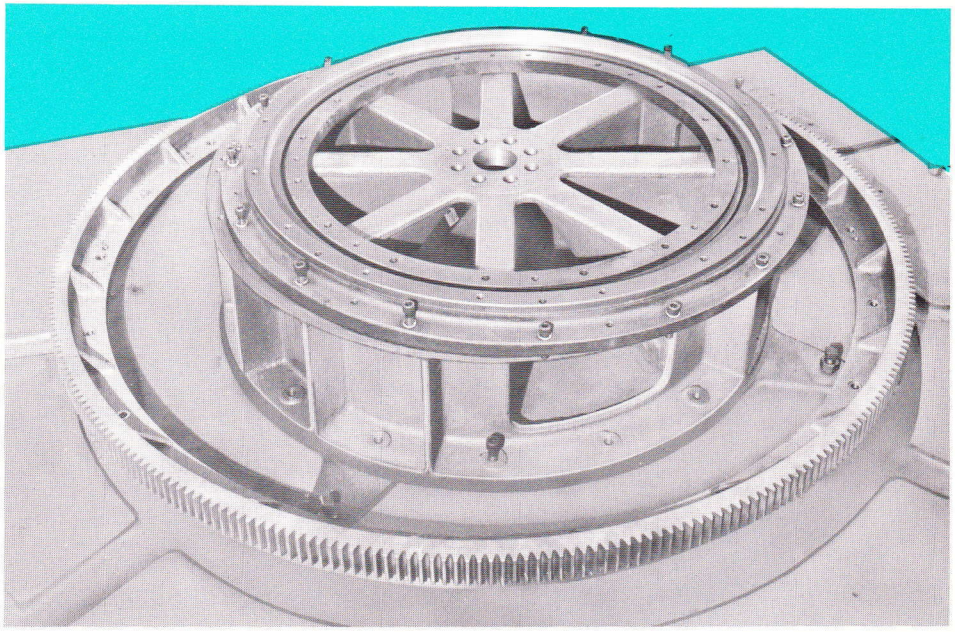
130-valve filler—2000 CPM
The 130-valve Crown model can be operated with an Angelus 180S seamer or other suitable closing machine, and has a rated capacity of 2000 12 oz. (U.S.) cans per minute.

For all models, closing machine drives filler to insure proper synchronization of the two units for smooth, continuous operation.

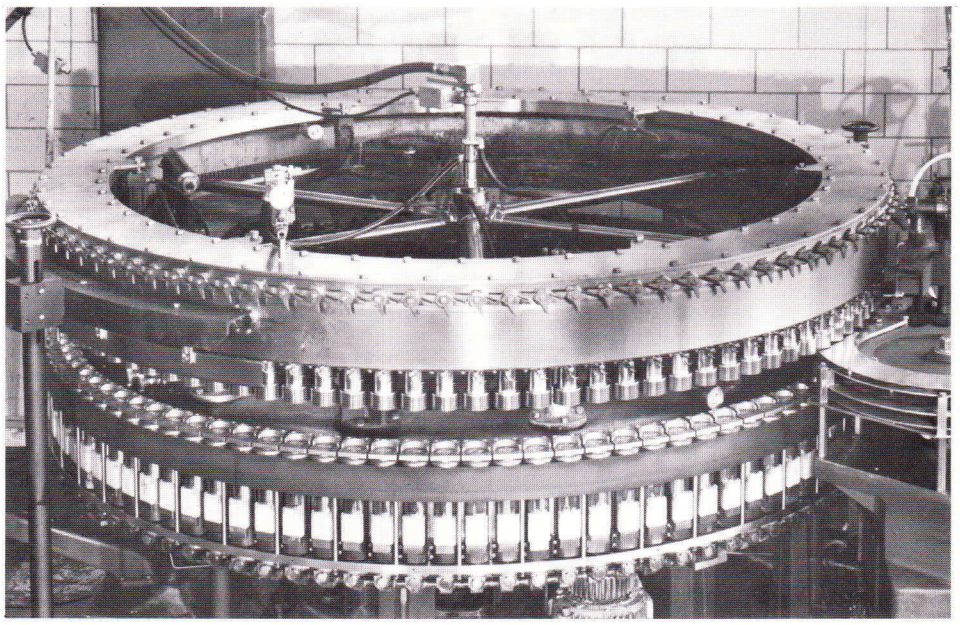
The common ingredient: uncommon quality

CROWN

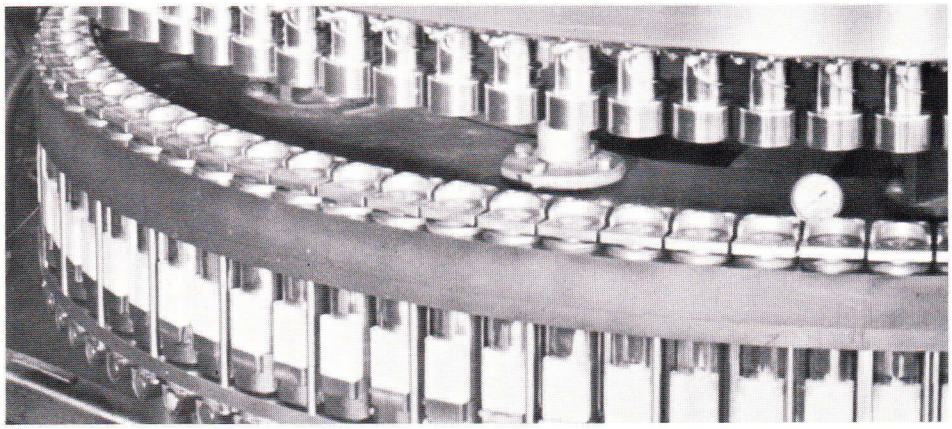
All Crown can fillers for soft drinks are recognized world-wide for their durability, reliability and consistently high output at low operating cost. All are engineered with the special needs of the customer in mind.



Built for long service life
Crown can fillers are designed and built to be rugged. Base and housing are cast iron. Power train is made up of heavy duty gearing, enclosed gearbox transmissions, large diameter shafts and couplings. On the 100-valve and 130-valve models, the filler unit revolves on a 46″ diameter, X-type roller bearing that provides maximum lateral stability with minimum friction. On all models, gear drive assures perfect timing.



Designed for low maintenance costs
Filler tank is ASME code designed and approved. All metal parts in contact with product—including tank, lid and filling valves—are quality grade stainless steel. Tank and lid are highly polished both inside and outside, so cleaning is fast and easy and no painting is required. Stainless steel sanitary tubing and fittings with clamp-type connections carry product from inlet connection to filler tank.



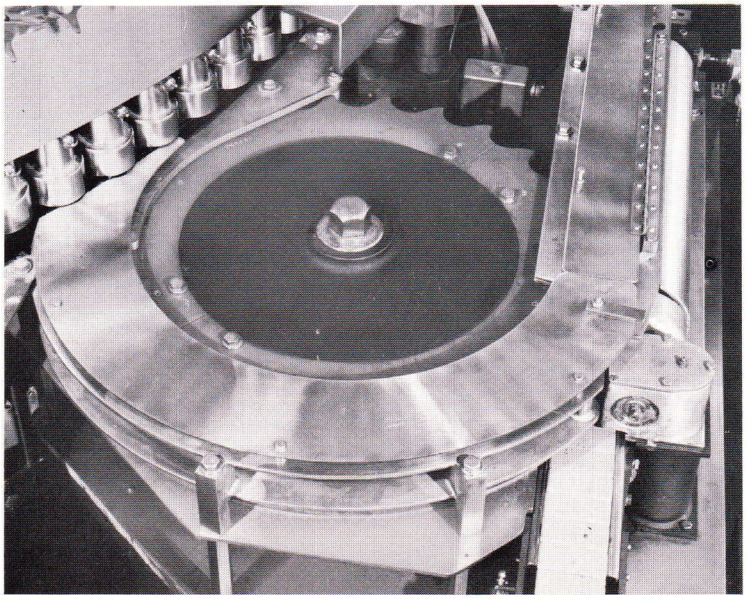
Flexibility is built in
Because of the convertible filling valve design, all models can be equipped to fill 209/211 diameter necked-in steel or aluminum cans as well as 211 diameter straight-wall steel cans. They can also be made available for 207.5 can openings. Adjustable filler tank elevation permits handling cans from 306 (3⅜″) to 604 (6¼″) height.

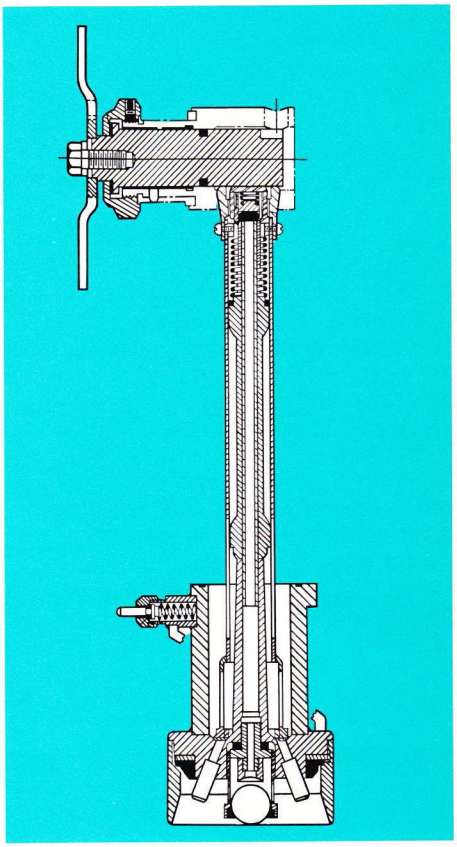
Smoothest operation is assured
Non-metallic infeed worm spaces cans smoothly into the infeed spider. Infeed conveyor extension keeps solid line of empty cans feeding into the machine. On 130-valve model, infeed assist device assures solid line of incoming cans to worm at very high speeds. Filler platforms are under positive cam control as they raise and lower cans to and from the filling valve.

A two-stage dual manifold pneumatic system elevates cans on lift cylinders to the filling valves at low pressure to prevent can damage. Second stage high pressure provides the required sealing force while cans are being filled.

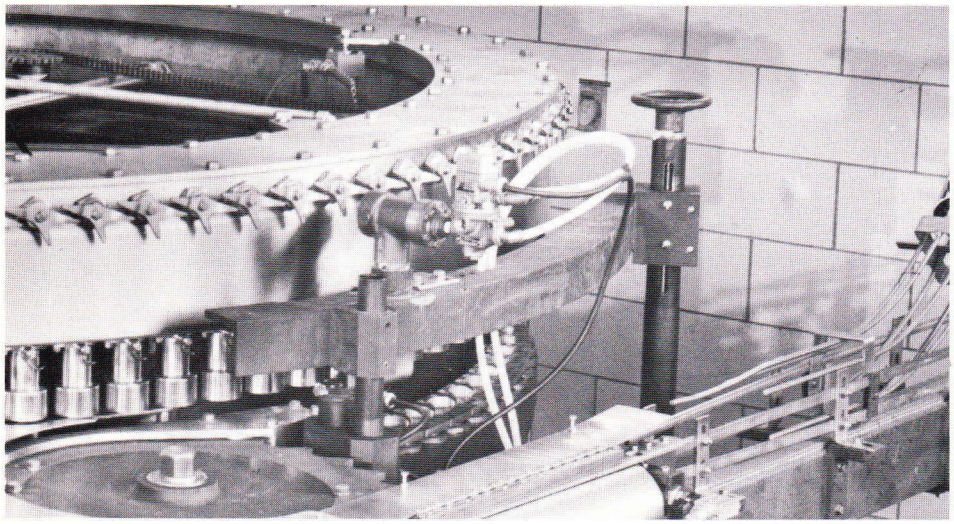
Vertical movement of cans to valves is minimal. Cam contour, which controls lowering the filled cans from the valves, is engineered for smooth descent to the transfer level, thus minimizing possible product loss.

Platforms are fitted with centering guides for positive placement of cans under the filling valves to insure proper seal and product flow. Design also provides for proper can spacing on discharge to transfer to closing machine.



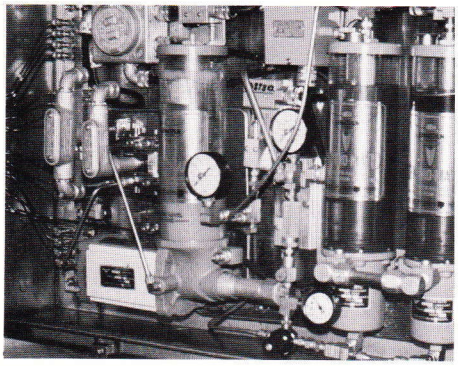


High flow-rate filling valves
Maximum output is assured with these cam-operated, positive action valves which are all stainless steel and designed for trouble-free performance. Angled nozzle tips direct product flow down sidewall of cans to minimize agitation. Positive-acting check-ball vent is readily adjustable to provide desired fill level in can. Complete valve assembly is easily removable without raising the tank lid. Valves will fill typical pulp-content products as well as regular non-pulp products.



Automatic shutoff cuts product loss
If a can fails to arrive under a filling valve, a counterpressure sensor automatically withdraws an air-operated, retractable plunger from the path of the valve operating lever. The action is motivated by an electrical proximity switch. The filling valve is not actuated to open if no can is present, thus product loss is prevented. There is no physical contact with the can, so no damage can be caused.

Fail-safe lubrication
The 40-valve can filler has a motor-driven oil pump for an automatic oil lubrication system, plus a centralized manual grease system.

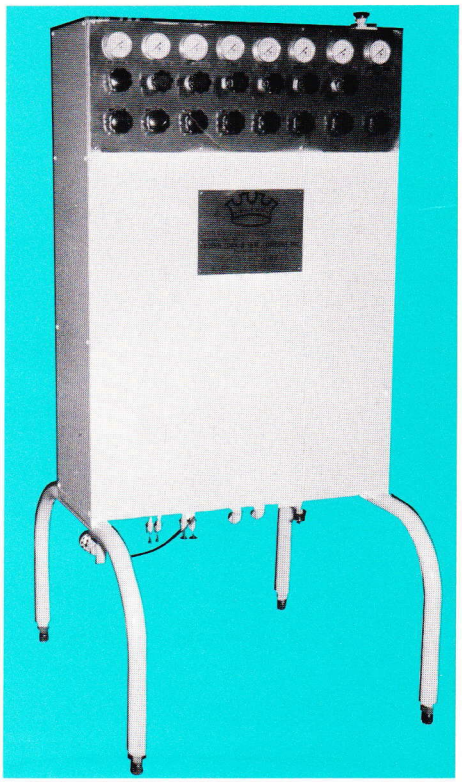


The 72-valve filler also has a motor-driven oil pump for its automatic oil lubrication system, plus a Lincoln automatic system for grease and supplementary oil system.

On both the 40- and 72-valve fillers, a warning light will indicate if the oil level in the reservoir drops below the safe level. If oil is not added after a certain time interval, the machine will stop and cannot be restarted until oil is added.

The 100-valve and 130-valve models have a complete Lincoln automatic system for oil and grease. Intervals of lubrication on this system are controlled by automatic timers. This machine also has a safety device to actuate warning lights and stop the unit if there should be an operational failure, lack of lubricant or loss of lube system air pressure.

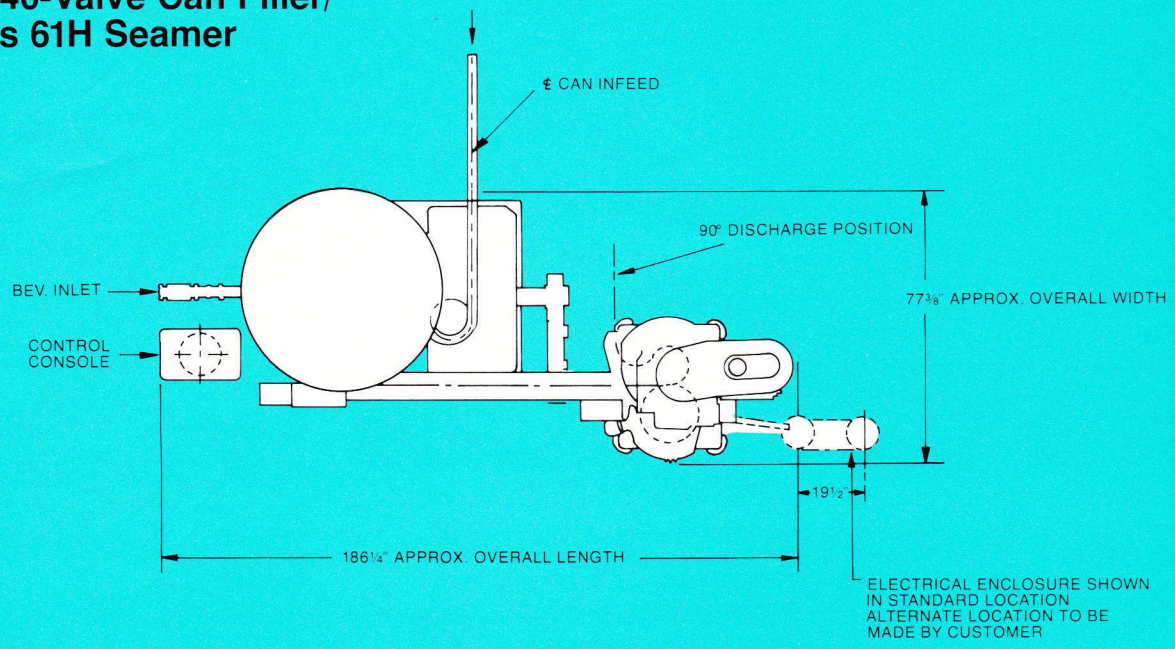
All fillers are equipped with manual lubrication fittings for points which are impractical to lubricate automatically. These are color-coded to signify proper lubrication time intervals. Lift cylinders on all models are lubricated internally by oil-lubricated air, and externally by jet sprays of oil which also splash-lubricate the cylinder end/guide rail sliding action.



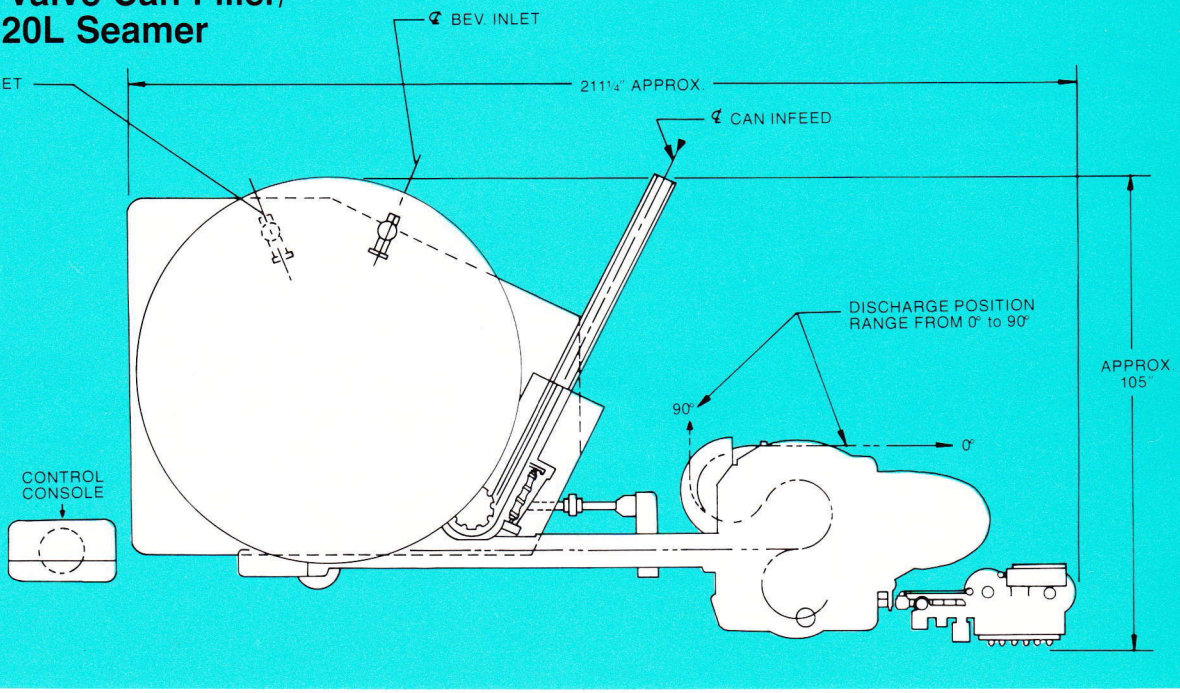
Control Console
The console houses all controls, gauges and components of the air system and can be located as desired adjacent to filler. Electrical controls in Underwriter Approved enclosure can be assembled to the air system cabinet. Gauges, controls and colored indicator lights are clearly identified.

Control console shown is for the 100-valve can filler. (130-valve unit is similar.) The console for the 40-valve filler is post mounted. The console for the 72-valve machine has gauges and controls mounted on a sloped top, and also contains the Lincoln oil and grease pumps.

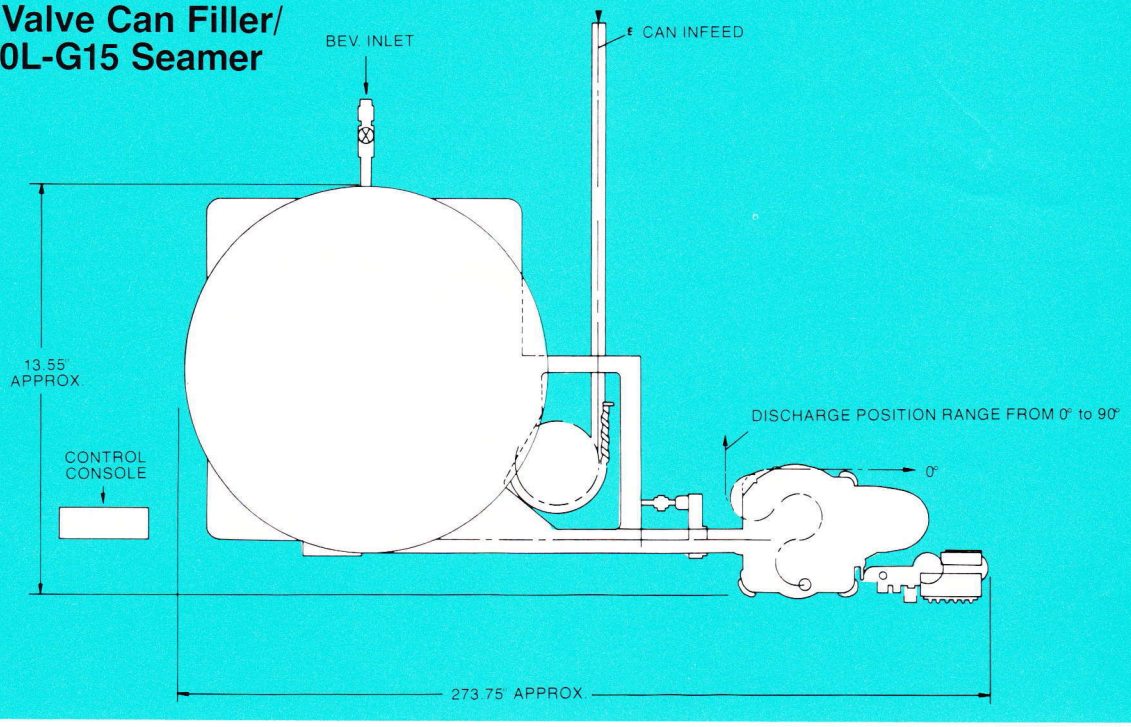
Crown 40-Valve Can Filler/ Angelus 61H Seamer



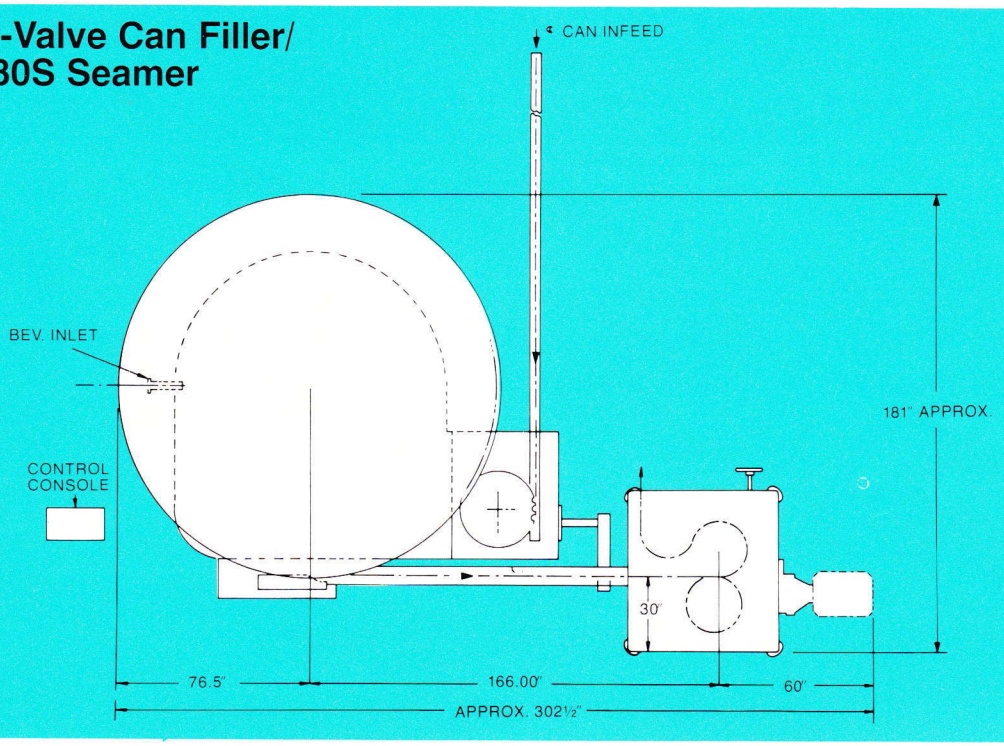
Crown 72-Valve Can Filler/ Angelus 120L Seamer



Crown 100-Valve Can Filler/ Angelus 120L-G15 Seamer



Crown 130-Valve Can Filler/ Angelus 180S Seamer



* Due to continual Crown improvements, all ratings, capacities and design features shown in this brochure are subject to change.

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