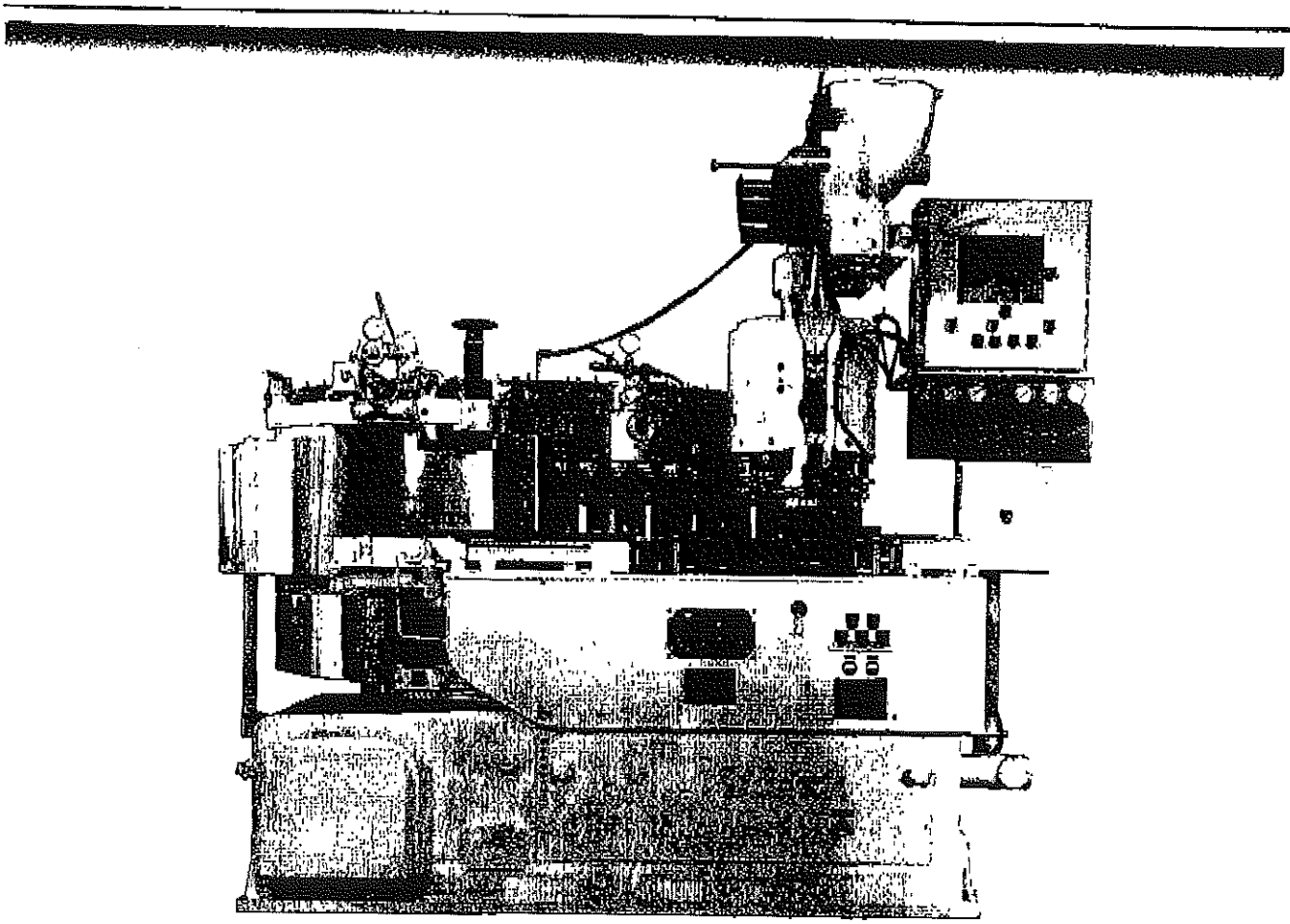
Custom designed for efficient production.



Super Uniblend 60/12 with crowner. Typical of a full line of dependable high-output soft drink bottle fillers.

These five versatile soft drink bottle fillers demonstrate proven reliability at high speeds for high profitability. Safe, dependable bottle handling, combined with ease of operation and maintenance, provides smooth, efficient output. Crown's "battleship" construction, with heavy cast iron base, housing, cylinder support and support pedestal, helps to promote outstanding performance under "all-go" conditions for years to come.

Models 72/15 and 60/15 handle bottles from 6 oz. through 16 oz. (or half-liter) (diameters from 2" to 3 9/16"). Model 72/15 accommodates bottle heights from 6½" to 13½", while 60/15 handles bottles from 5" to 12½" high. Both models are available with 15 crowning heads, or 12 capping heads, or a 12-head capper with crowner conversion.

Models 60/12 and 50/12 handle bottles from 6 oz. through 1 liter (diameters from 2" to 3⅜") and accommodates heights from 6½" to 13½". These two models are available with 12 crowning heads, or 12 capping heads, or a 12-head capper with crowner conversion.

Models 60/12 and 50/12 are also optionally available with a dual manifold for selective operation of either all filler lift cylinders or alternate ones for running half-gallon or 2-liter bottles.

Model 45/6 handles bottles up to 64 oz. (diameters from 2" to 5¼") and accommodates heights from 5" to 13½". Available with 6 crowning heads, or 6 capping heads, or a 6-head capper with crowner conversion.

Feature by feature, these Crown soft drink bottle fillers add up to maximum production with cost-saving efficiencies that return the highest profit to bottlers.

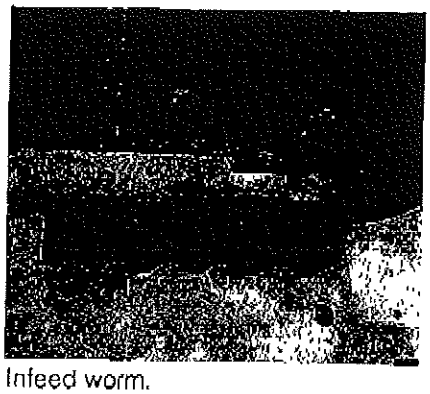
These Uniblend features deliver real Crown value.

Smooth, reliable bottle handling.

Open design provides easy cleanout of broken glass, minimizes possibility of glass jamming under-table equipment.

Stationary guides fitted with replaceable wear strips of abrasion-resistant, non-metallic material—all spiders made of same material, to provide cushion effect in handling of glass bottles. Hardened, replaceable wear plates provided for bottle path throughout machine—crowner table plates have replaceable disc inserts under each crowning head with rubber support pads to cushion crowning pressure.

Filler platforms equipped with quick-release latches to reduce time required for changeover of grippers or holders when necessary.



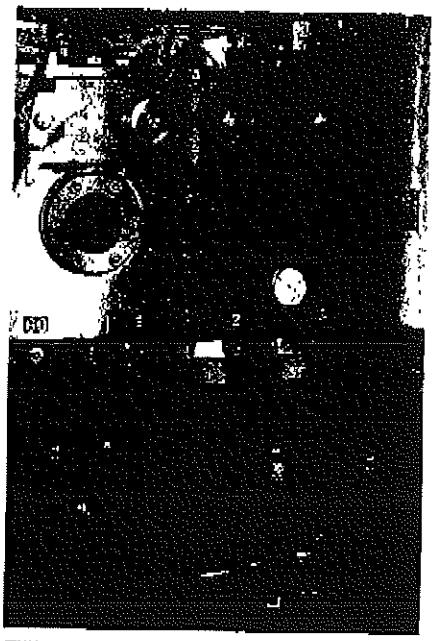
Infeed worm.

Bottle grippers.

Smooth filling operation.

Bottles properly spaced to infeed transfer spider by non-metallic infeed worm—positioned on lift cylinder platform with correct centering assured by use of bottle grippers or holders on each platform. Positive gear train drive assures perfect timing of bottles at all transfer points.

Filler platforms under positive cam control when raising and lowering bottle to filling valve—adjustable filler tank elevation keeps vertical travel of bottle at minimum, providing gentle handling of bottle during elevation



Filling operation.

and descent for protection of glass and minimum product agitation. Lift cylinders actuated by compressed air in closed manifold pneumatic system—no air exhausted when platform descends, for minimum usage of compressed air.

Filler unit and crowner rotate on long-wearing plate type bearings. Drive motor equipped with integral brake for fast, positive stop of entire machine.

As an option, Model 50/12 and 60/12 may be equipped with a dual manifold so that only alternate lift cylinders may be used to run half-gallon or 2-liter bottles

The most efficient bottling system ever designed

Fast filling rate.

Equipped with high-speed Uni-Blend filling valve—cam-operated positive action high flow rate assures maximum production output. All stainless steel construction except for FDA-approved, tasteless, odorless, non-toxic rubber or plastic components—simple design for trouble-free performance. Improved version of famous Super Uni-Blend valve features simplified counterpressure action. Automatically closes if bottle breaks during filling to prevent loss of product and tank pressure. Complete valve easily removed from tank without raising tank lid. Equipped with actuating cam lubricator fitting. Equipped with quick-disconnect centering bell for timesaving removal and replacement of sealing rubber. Can be fitted with change parts to fill 38mm finish bottle.

Watchful "no bottle" detector.

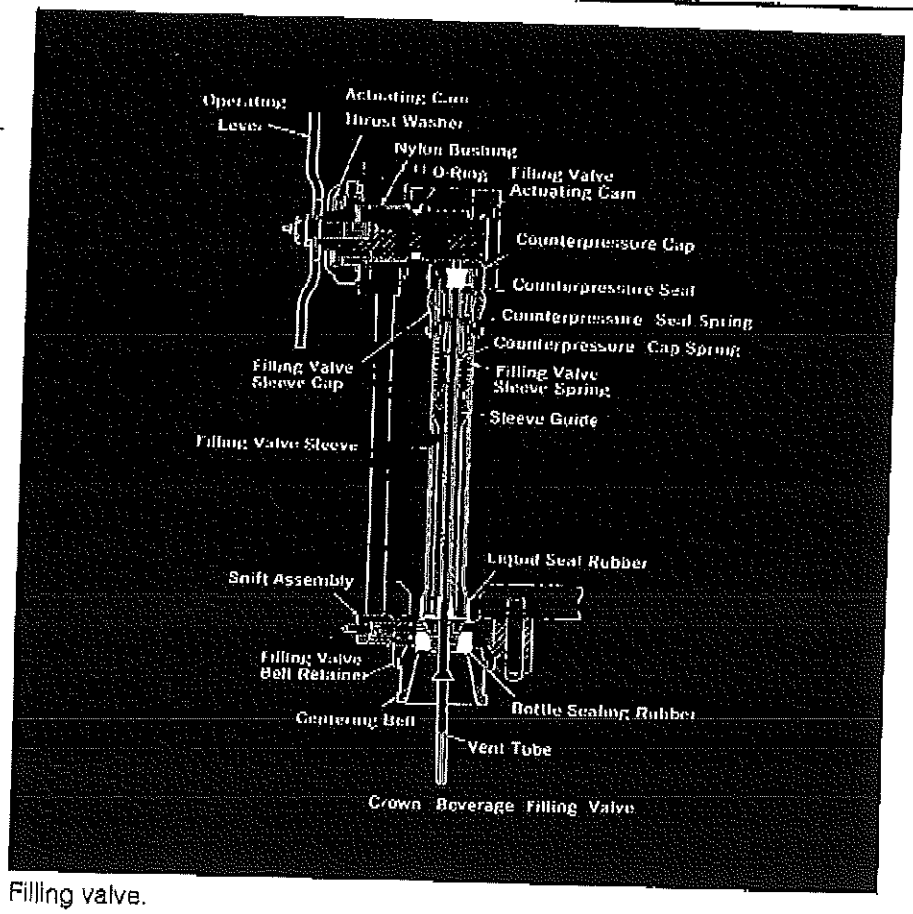
Fitted with retractable plunger, air operated, which automatically withdraws from path of filling valve operating lever if no bottle present under that valve. Action motivated by electrical proximity switch sensing platform elevation—no contact with bottle to cause possible damage. Filling valve not actuated if no bottle present underneath—prevents loss of product.

Filling system cleans easily.

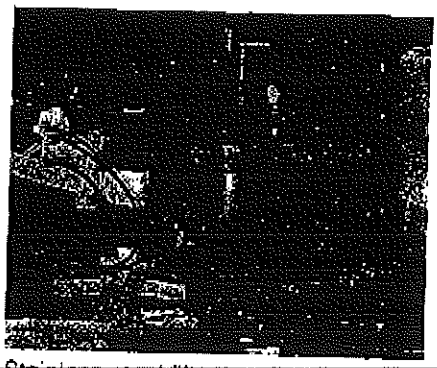
All metal parts in contact with a product made of high-quality grade stainless steel; sanitary tubing and fittings with clamp-type connections convey product to filler tank. Sanitary sight glass/strainer unit supplied with filler. Liquid level in filler tank controlled by proven ball-float system.

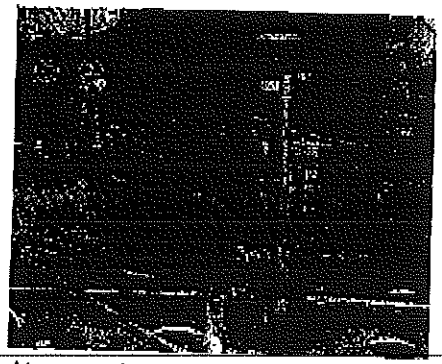
Quick changeovers.

Filler tank and crowner (capper) unit elevation is power-operated by means of air motors. Saves time and effort required when adjusting filler unit for bottle height changeover.



Filling valve.


Stainless steel filler bowl.


Air motor for filler tank elevation.

CROWN

Fast, sure crowning.
Crowning heads contained in lubricant-packed turret, cam-operated for smooth vertical operation in application and crimping of crown; built-in compensation for bottle height variances. Each head individually adjustable to provide correct crown crimp.

Crown feed system features slow-speed revolving drum for minimum agitation—controlled to stop rotating if bottles are stopped from entering filler, further reducing possibility of crown damage resulting from needless agitation. Designed so crowns leave hooper drum and enter rectifying chute regardless of direction crown is facing—dual rectifying chute aligns and combines all crowns to single line feed to crowning head platforms—provides maximum output rate to suit high filling speeds.

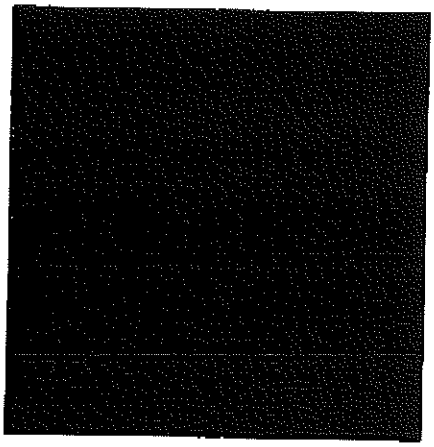
Filler-Crowner-Capper

Available with CCS Crowner or built-in ALCOA Capping Turret. Closures applied as soon as the bottle leaves filler to minimize loss of carbonation from product. Conversion parts to provide crowning capability for ALCOA Capping Turret available.

Filler can be equipped with a crowner (as shown) or a capper or a capper/crowner. Depending upon option selected filler will be capable of capping 28mm and/or Crowner/capper.

Crowner/capper.

38mm roll-on closures and/or crowning standard crowns. This turret provides quick, easy interchangeability of proper headsets for capping or crowning as desired. Separate cap feed system and crown feed system—cap feed dial-powered by air motor, controlled by sensor detecting presence or absence of caps in chute so that dial rotates as necessary; fitted with no-cap detector to stop machine if no caps present in chute. No-crown detector to stop machine if no crowns present in chute. Built-in compensation for bottle height variation.



Automatic lubrication system.

Effective lubrication.

Equipped with automatic oil lubrication system to supply oil to all bearings and bushings requiring contact lubrication—system operates whenever machine is running. Push-button control for manual oil lubrication of lift cylinder bushings, guide rails and slide blocks; centralized manual grease lubrication system plus individual fittings for manual lubrication where needed.

Oil lubrication for internal lift cylinders. Automatic oil system has 3-quart reservoir—fitted with safety devices to warn of low oil level and to stop machine if oil supply in reservoir drops below safe level.

Designed for high speed bottling at a profit

Crown "Battleship" construction.

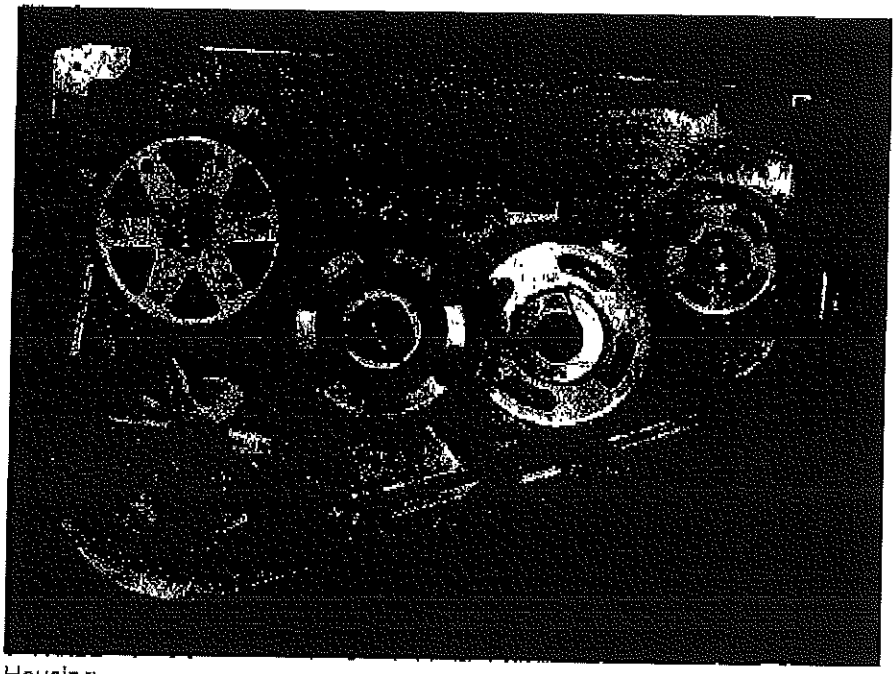
Heavy, sturdy cast iron throughout—base, housing, cylinder support and support pedestal. Power transmission by large-pitch, wide face-spur gear train, 3 HP motor with variable speed drive—can be furnished with two-speed (5:2½ HP) motor. Equipped with vari-speed motor externally mounted to drive infeed conveyor. Filler tank fabricated of 18-8 series (Type 304) stainless steel, ASME Code approved for design and manufacture.

Convenient start/stop controls.
Push-button start and stop controls in centralized group on front of machine housing for operator convenience and accessibility—large 'mushroom-head" stop button for instant stop of filler in emergency.

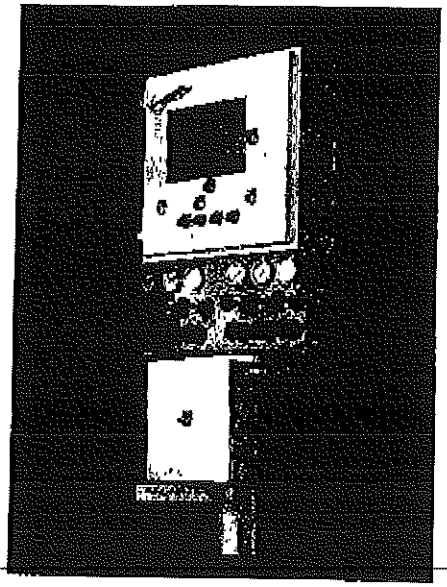
Oil pressure gauge and speed indicator mounted on front panel, in protected recessed housing.

Centralized air controls.
Pressure regulators, shutoff valves and gauges mounted in centralized panel located beneath electrical control cabinet, convenient to operator —clearly labeled for quick, easy identification.

Added Protection.
Electrical components such as motor starters, etc. contained in waterproof enclosure, post-mounted above normal wash-water line for maximum protection against possible water damage.



Housing.



Electrical equipment enclosure and air control panel.

Flexible layout.
Can be set up to discharge parallel to infeed (straight-through) or to rear of machine (90 deg. right-angle) as preferred or required by layout considerations.

Optional convenience.
As an option, filler can be equipped with pneumatic (air-cylinder) system to raise filler tank lid when necessary; replaces manually-operated jack screws furnished as standard equipment.

General specifications

CROWN

Crown Filler Model	45/6	50/12	60/12	60/15	72/15
Production Specifications					
Types of Bottles	N.R. & returnable glass, or plastic	N.R. & returnable glass, or plastic	N.R. & returnable glass, or plastic	N.R. & returnable glass, or plastic	N.R. returnable glass, or plastic
Bottle Sizes	Up to 64 oz.	6 oz. thru 1 liter ½ gal. & 2 liter*	6 oz. to 1 liter ½ gal. & 2 liter*	6 oz. thru 16 oz. or ½ liter	6 oz. thru 16 oz. or ½ liter
Diameters	2" to 5¼"	2" to 3⅞"	2" to 3⅞"	2" to 3⁹⁄₁₆"	2" to 3⁹⁄₁₆"
Heights	5" to 13½"	6½" to 13½"	6½" to 13½"	5" to 12½"	6½" to 13½"
Filler Valves	45	50-25*	60-30*	60	72
Crowner Heads	6	12	12	15	15
Capper Heads (Option)	6	12	12	12	12
Crowner/Capper Heads (Conv.) (Option)	6	12	12	12	12
Machine Specifications					
Machine Width (Straight Discharge)	151¼"	142⅛"	151¼"	142⅛"	151¼"
Width (90° Discharge)	103¼" (Max.)	94⅛" (Max.)	103¼" (Max.)	94⅛" (Max.)	103¼" (Max.)
Length (Overall)	100⅜"	88³⁄₁₆"	100⅜"	88³⁄₁₆"	100⅜"
Height (to top of crowner hopper)**	103½" (Max.)	102½" (Max.)	103½" (Max.)	102" (Max.)	103½" (Max.)
Net Weight	18,000 lbs. (8165 Kg.)	17,000 lbs. (7711 Kg.)	18,500 lbs. (8391 Kg.)	17,200 lbs. (7802 Kg.)	19,000 lbs. (8618 Kg.)
Shipping Weight (Domestic)	18,500 lbs.	17,500 lbs.	20,050 lbs.	17,700 lbs.	20,550 lbs.
Shipping Weight (Export)	20,300 lbs. (9208 Kg.)	18,400 lbs. (8346 Kg.)	20,900 lbs. (9480 Kg.)	18,500 lbs. (8391 Kg.)	21,350 lbs. (9684 Kg.)
Air Requirement	15-20 CFM at 75-100 PSI	15-20 CFM at 75-100 PSI	15-20 CFM at 75-100 PSI	15-20 CFM at 75-100 PSI	15-20 CFM at 75-100 PSI
Motors	Drive Motor (2-Speed) 5/2½ HP Conveyor Drive (2-Speed) 3/4 3/8 HP	Drive Motor— 3 HP (Single Speed) 5/2½ HP (Two-Speed) Conveyor Drive ½ HP (Single Speed) ¾-⅜ HP (Two-Speed)	Drive Motor (2-Speed) 5.2½ HP Conveyor Drive (2-Speed) 3/4 3/8 HP	Drive Motor— 3 HP (Single Speed) 5/2½ HP (Two-Speed) Conveyor Drive ½ HP (Single Speed) ¾-⅜ HP (Two-Speed)	Drive Motor 5 HP Conveyor Drive ½ HP speed. (2-Speed Motors Opt.)
Crate Sizes	135" l. X 107" w. X 109" h. 343 cm l. X 272 cm w. X 277 cm h.	135" l. X 105" w. X 107" h. 343 cm l. X 268 cm w. X 272 cm h.	135" l. X 107" w. X 109" h. 343 cm l. X 272 cm w. X 277 cm h.	135" l. X 105" w. X 107" h. 343 cm l. X 268 cm w. X 272 cm h.	135" l. X 107" w. X 109" h. 343 cm l. X 272 cm w. X 277 cm h.

*When converted to handle 64 oz. or 2-liter bottles.
**Dimension measured from bottom of base—adjusting screws or pads not included.

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

DATA SHEET FOR CROWN UNIBLEND FILLERS

MODEL NUMBER	MIN. BOT. HT. (IN.)	MAX. BOT. HT. (IN.)	MIN. BOT. DIA. (IN.)	MAX. BOT. DIA. (IN.)	MIN. BOT. SIZE (OZ.)	MAX. BOT. SIZE (OZ.)	BOWL CAP. (GAL.)	BOWL PRESS. (PSI)	MIN. SPEED (BPM)	MAX. SPEED (BPM)	MTG. LEGS (#)	COMP. AIR LINE (NPT)	CO2 SUPPLY LINE (NPT)	ELECT. INLET LINE (in.)	PROD. LINE DIA. (in.)	AIR CONSUMP. (SCFM)	CO2 CONSUMP. (SCFM)
28-6	6	13	2	3 3/16	6	67.6		100	65	300	5	1/2	1/2	3/4	3		
40-10	6	13	2	3 3/16	6	67.6		100	55	380	5	1/2	1/2	3/4	3		
45-6	5	13 1/2	2	3 3/16	6	67.6	56	[illegible]	130	330	7	1/2	3/8	3/4	3		
45-12	5	13	2	4 3/16	6	67.6	56	[illegible]	150	475	16	1/2	3/8	3/4	3	15-20	
50-12	5	12	2	3 3/16	6	67.6	46	[illegible]	55	525	7	1/2	3/8	3/4	3		
60-12	5	12	2	3 3/16	6	67.6	56	[illegible]	70	600	7	1/2	3/8	3/4	3		
60-15	5	12	2	3 3/16	6	16	46	[illegible]	510	600	7	1/2	3/8	3/4	3		
60-16	5	13	2	3 3/16	6	67.6	56	[illegible]	70	630	16	1/2	1/2	3/4	3	15-20	
64-16	5	13 1/4	2	4 3/16	6	67.6	77	[illegible]	175	685	24	3/4	3/4	3/4	3	50	40
72-15	5	12	2	3 3/16	6	16	56	[illegible]	610	720	7	1/2	3/8	3/4	3		
72-20	5	13	2	3 3/16	6	16	56	[illegible]	620	750	16	1/2	1/2	3/4	3	15-20	
80-20	5	13 1/2	2	4 1/8	6	67.6	77	[illegible]	105	840	29	3/4	3/4	3/4	3	50	40
84-21	5	13 1/2	2	4 3/16	6	67.6		[illegible]	250	900	24	3/4	3/4	3/4	4	35	40
100-25	5	13 1/2	2	3 5/16	6	16	77	[illegible]	850	1050	24	3/4	3/4	3/4	3	50	40
104-26	5	13 1/2	2	4 1/8	6	67.6		[illegible]	145	1050	24	3/4	3/4	3/4	4	35	40
40 FTCF							46				4	3/8	1/2	1/2	3		
60 FTCF							56				11	3/8	1/2	1/2	3		
72 FTCF							77				11	3/8	1/2	1/2	3		
100 FTCF											18	3/4	3/4	3/4	3	60	20
130 FTCF											15	3/4	1 1/2	3/4	4	35	26

* ⑤ MAXIMUM DESIGN PRESSURE.

SHEET 2 OF 2

UNI-BLEND FILLERS DATA SHEET

412994-3