

FILLING CAN



GAI MLE / FE / RE CAN Series **1,000 cph to 16,000 cph**

For over 70 years and three generations, GAI has established several milestones in the development of high quality bottling and labelling machinery throughout the world. GAI's product range has grown from wine to include carbonated beverages, spirits and viscous liquids. GAI now offers electro-pneumatic volumetric can filling to their filling machine portfolio. GAI is known for creating machines that are easy to use, reliable and timeless.

The GAI CAN family of monoblocks are offered in both linear and rotary designs.

The MLE series is a linear designed monoblock with the electro-pneumatic filling valves with a single head seamer. The MLE consists filler turret with the electro-pneumatic valve and seamer. The MLE has a working pressure from 0 to 4 bar, enabling both still and carbonated products to be packaged. Production speeds from 500 to 1,600 cph.

The GAI CAN rotary monoblocks are equipped with volumetric electro-pneumatic filling valves.

GAI 3621 FE-CAN production speeds up to 3,600 cans per hour.

The GAI 3621FE-CAN has a production speed up to 3,600 cans per hour and has the working pressure of 0 to 4 bar.

The 3621 FE CAN monoblock features a high pressure, electro-pneumatic volumetric can filler on a 10 valve rotary turret. This monoblock includes a single-head seamer. The ability to have nitrogen injection for canning still products is available upon request.

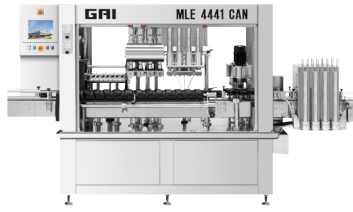
GAI 80021/12021/16021 RE CAN monoblocks are designed with a head rotary seamer.

Suitable for canning products from 0 to 4 bar working pressure. The RE CAN monoblocks features a high pressure electro-pneumatic volumetric can filler 16-24-32 valve rotary turret. With a 4 head rotary seamer.

The ability to have nitrogen injection for canning still product is available upon request.

CALL US

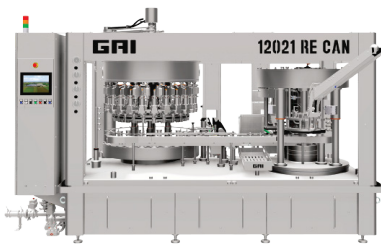
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GAI - MLE 4441 CAN



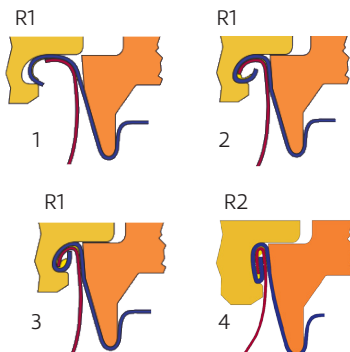
GAI- 3621 FE CAN



GAI - 12021 RE CAN



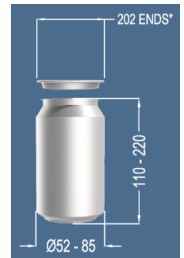
GAI - FILLING VALVE



GAI - SEAMING OPERATIONS

MLE CAN - CAN SERIES, LINEAR MONOBLOCK

FUNCTION		MLE4441-CAN	MLE6661-CAN
Ø Can	inch	1.96-3.34	1.96-3.34
	mm	52-85	52-85
Rinser	n	4	6
Filler	n	4	6
Can lids dispenser	n	4	4
Seamer	n	1	1
Output	gal/h	118	172
	lt /h	450	650
Speed*	can/h	up to 1200	up to 1600
	can/min	up to 20	up to 27



FE CAN - HIGH SPEED ROTARY CAN FLAT MONOBLOCK

FUNCTION		3621 FE CAN
Ø Can	inch	1.96-2.87
	mm	50-73
Filler	n	10
Seamer	n	1
Output	gal/h	423
	lt /h	1600
Speed*	can/h	3600
	can/min	60



RE CAN - HIGH SPEED ROTARY CAN ROOF MONOBLOCK

FUNCTION		8021 RE CAN	12021 RE CAN	16021 RE CAN
Ø Can	inch	1.96-2.87	1.96-2.87	1.96-2.87
	mm	50-73	50-73	50-73
Filler	n	16	24	32
Seamer	n	4	4	4
Output	gal/h	687	1057	1400
	lt /h	2600	4000	5300
Speed*	can/h	8000	12000	16000
	can/min	133	200	266

* Production referred to beer at : 2 bar, <+4°C. Speed referred to Lt 0,33 can

VOLUMETRIC FILLING VALVE

This volumetric filling valve for FE-CAN with electro-pneumatic operation has important features and is integrated with the turret in order to optimize the washing cycle with the application of dummy cans.

Use of 4 electro-pneumatic valves to control separately the circuits of:
Gas prefluxing and return filling / Flushing / Gas flux return / Degassing.

SEAMING

The seaming operation takes place in two distinct stages, this guarantee perfect sealing. The can is raised up by the piston against the chuck and rotated by both devices. The 1st operation roll R1 is mechanically brought against the lid, held by the M chuck, and then dragged into rotation.

1. Start of 1st operation seam formation
2. Partially formed 1st operation seam: forming the end curl under the flange
3. Finished 1st operation seam formation

The roll R1 moves away and the 2nd operation roll R2 starts its function; this last is pressed against the first seam to complete the operation and finally seal the lid on the can.

4. Finished 2nd operation seam formation: seaming completed.

The can is then transferred from the outlet star toward the monoblock outlet.

