

Product Line	INSIDER Ventless Donut Center
Models	INSIDER/Mark II • INSIDER/Mark V

VIDEO: www.vimeo.com/belshaw/insider WEB: www.belshaw.com/retail



Standard donuts



Mini donuts

Above: Insider with Donut Robot® and Roto-Cooler with sample graphic wrap.
Inset: Mark II and Mark V GP. The Insider accepts Mark II, Mark II GP, Mark V or Mark V GP

The Insider is Belshaw's distinctive donut frying system that eliminates the need for a standard ventilation hood. With its ability to operate in indoor public places, the Insider offers unique benefits:

- The Insider saves the purchase and installation cost of a ventilation and fire suppression hood.
- The Insider can be moved from one place to another. The Insider includes an built-in air recycling system and no exterior ductwork is necessary.
- The Insider is designed to attract the interest of passers-by. With its large window viewing area and attractive appearance the Insider has great merchandising potential. Vehicle-style graphic wraps can be applied to top, bottom and side panels.
- Customers in high traffic areas can watch the Insider frying donuts automatically. The operator has only to mix batter, fill the **Donut Robot®** hopper and bag donuts from the **Roto-Cooler**, a rotating tray that collects the donuts automatically.
- The Insider addresses fire prevention, air filtration, and sanitation requirements. Cabinet and fryers are tested by ETL and listed to UL-197, UL-710B, CSA C22.2 and NSF-4 standards.

INSIDER COMPONENTS

- **Insider Clean-Air Cabinet**
- **Donut Robot® Fryer**, either:
 - [Mark II](#) or [Mark V](#) (standard donuts) - [Mark II GP](#), [Mark V GP](#) (mini donuts only)
- **Roto-Cooler**.
 - Rotating tray that collects donuts after frying.
- **EZMelt 18 Melter-Filter** (optional)
 - The EZMelt can be placed inside the cabinet directly below the fryer. It will quickly empty, filter and refill the shortening in the fryer.



Donut Robot® Mark II / Mark II GP



Donut Robot® Mark V / Mark V GP



EZ Melt 18

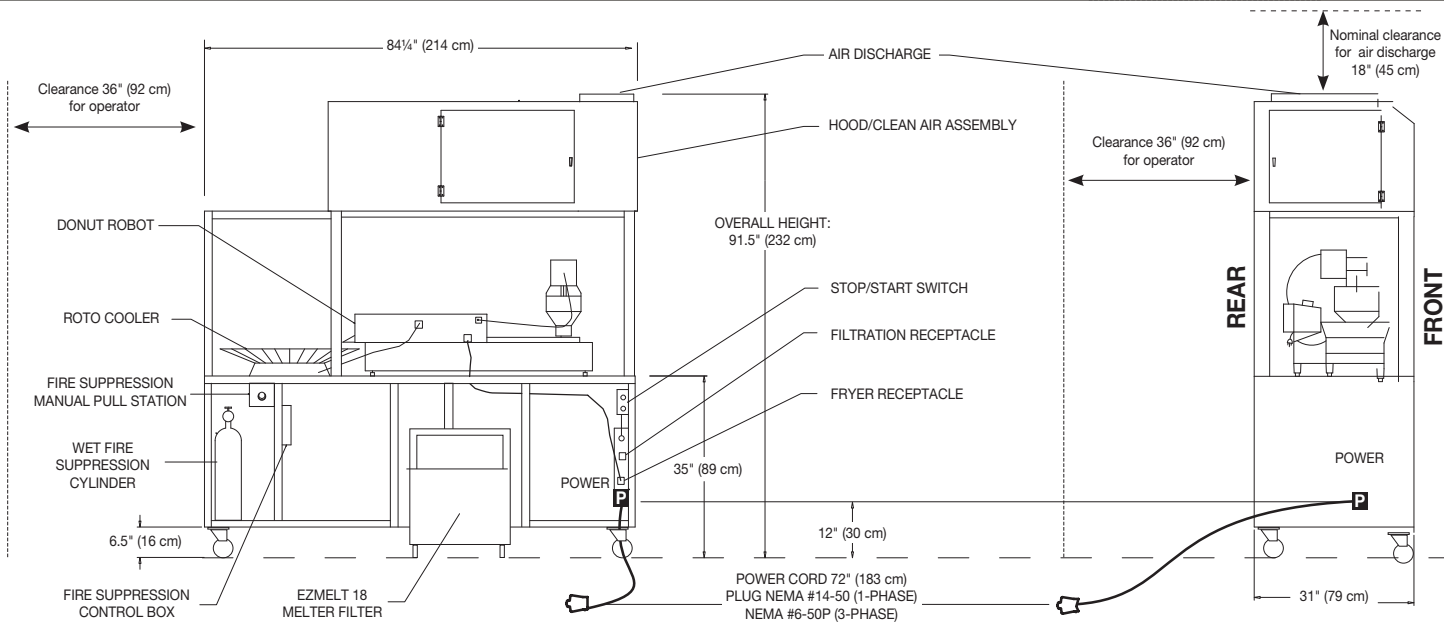


Roto-Cooler

90 Years of Quality Donut & Bakery Equipment

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STANDARD FEATURES - INSIDER CABINET

- Air recycling system, with fan-assisted grease filter, electronic filter, and odor filters
- Interlock system to ensure ventilation is active. Fryer is otherwise shut down or unable to start
- Donut Robot® fryer (specify model from list below) and Roto-Cooler
- Fire suppression system (Pyro-Chem Kitchen Knight II, PLC-240/300). Operates automatically, also manually from a pull station
- Stainless steel construction
- Removable clear polycarbonate viewing windows
- Heavy Duty 4" casters (feet optional)

COMPATIBILITY WITH DONUT ROBOT® FRYERS

- Insider is compatible only with Donut Robot® Mark II, Mark II GP, Mark V, or Mark V GP
- For standard size donuts, use Donut Robot® Mark II or Mark V
 - For mini donuts, use Donut Robot® Mark II GP or Mark V GP
 - To make standard size AND mini donuts, use Donut Robot® Mark II or Mark V, along with Mini Donut Hopper/Plunger Kit, Part #MK-1502-1
 - See Donut Robot Mark II/Mark V spec sheet for specifications
 - Insider is not compatible with Donut Robot® Gas Mark II/Mark II GP

DONUT ROBOT® FRYERS – CAPACITY ESTIMATES

	Standard Donuts	Mini Donuts
Mark II	37 Dozen/hour	–
Mark II GP	–	153 Dozen/hour
Mark II with Minidonut Kit	37 Dozen/hour	109 Dozen/hour
Mark V	56 Dozen/hour	–
Mark V GP	–	226 Dozen/hour
Mark V with Minidonut Kit	56 Dozen/hour	163 Dozen/hour

Estimates are based on full capacity at frying times of 95 seconds for standard donuts and 60 seconds for mini donuts.

OTHER EQUIPMENT

- EZ Melt 18 melter-filter system (purchased separately)

ELECTRICAL INFORMATION

- Single power connection
- 208-240V, 50-60hz, 1ph
 - Insider with Donut Robot® Mark II/Mark II GP: up to 36 Amps
 - Insider with Donut Robot® Mark V/Mark V GP: up to 50 Amps
- North America models supplied with NEMA#14-50 plug
- International voltages available

INSTALLATION & CLEARANCE

- Installation and usage may require approval by local jurisdictions. (Customer is responsible for such approval)
- 36" (92 cm) space at rear to allow room for operator, and to allow EZMelt 18 Melter Filter to roll out
- 36" (92 cm) at left side (viewed from rear) for operator access to the left and rear of the unit
- 29" (74 cm) overhead clearance for air discharge (nominal)

SHIPPING WEIGHT AND DIMENSIONS (estimated)

- 90" W x 43" D x 89" H (229 x 109 x 226 cm)
- 1444 lbs (656 kg), USA Freight Class 175

STANDARDS CERTIFICATION



- Certified by ETL to UL-197, UL-710B, NSF-4 and CSA C22.2 standards. (ETL Control #68183)

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The Spirit of Excellence

Product Line	DONUT ROBOT® Automatic Fryers
Models	Mark II • Mark II GP • Mark V • Mark V GP

VIDEO: <https://vimeo.com/belshaw/mark2>



Belshaw Adamatic's Donut Robot® fryers deposit, fry, turn, and dispense cake donuts or mini donuts automatically. Training and labor requirements are substantially reduced while high quality, consistent donuts are produced time after time. Additionally, Donut Robot® fryers reduce oil absorption in comparison with kettle fryers. Donut Robots are fun to watch and always attract passers-by.

- Donut size is adjustable within a generous range. Frying time and temperature can be changed easily. The Donut Robot® fries every donut for the same amount of time, and its new electronic controller maintains temperature very close to target (normally within 1°), resulting in more consistent product than standard fryers.
- Donut Robot® Mark II, Mark II GP, Mark V and Mark V GP are all-electric machines. All fryers are the same width. The Mark V's length and frying capacity are approximately 50% greater than Mark II.
- Mark II and Mark II GP are also available as gas heated models. For details, download [Donut Robot Mark II/Mark II GP Gas spec sheet](#).
- Donut Robot® Mark II, Mark II GP, Mark V, and Mark V GP are compatible with Belshaw Adamatic's '[Insider' Ventless donut system](#).

MODEL SELECTION, STANDARD AND GP MODELS

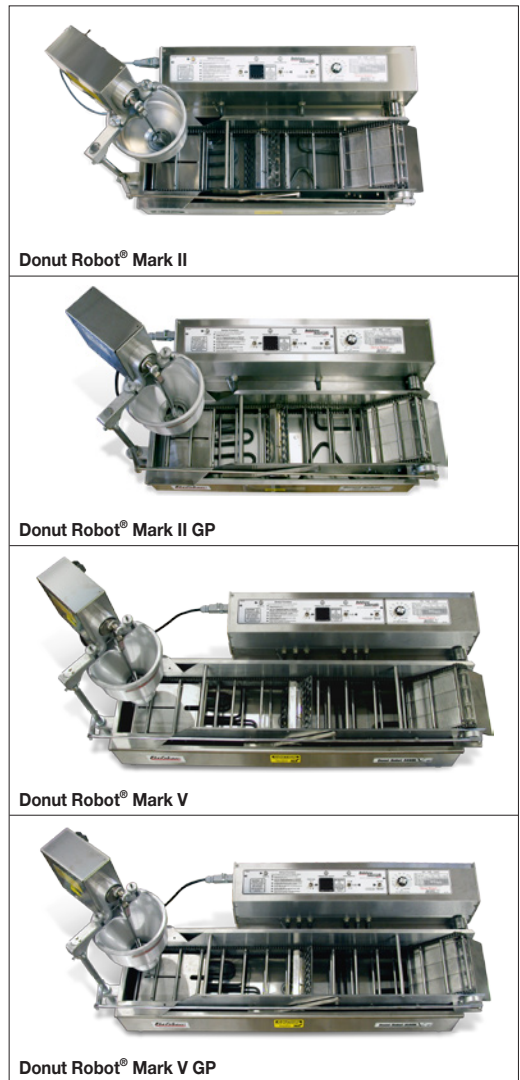
- For standard size donuts: choose Donut Robot® Mark II or Mark V
- For mini donuts: choose Donut Robot® Mark II GP or Mark V GP
- For standard size donuts AND mini donuts: choose Donut Robot® Mark II or Mark V, with optional Mini Donut Hopper/Plunger Kit (Part #MK-1502-1)

CAPACITY ESTIMATES	Standard Donuts	Mini Donuts
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Mark II GP	–	153 Dozen/hour
Mark II with Minidonut Kit	37 Dozen/hour	109 Dozen/hour
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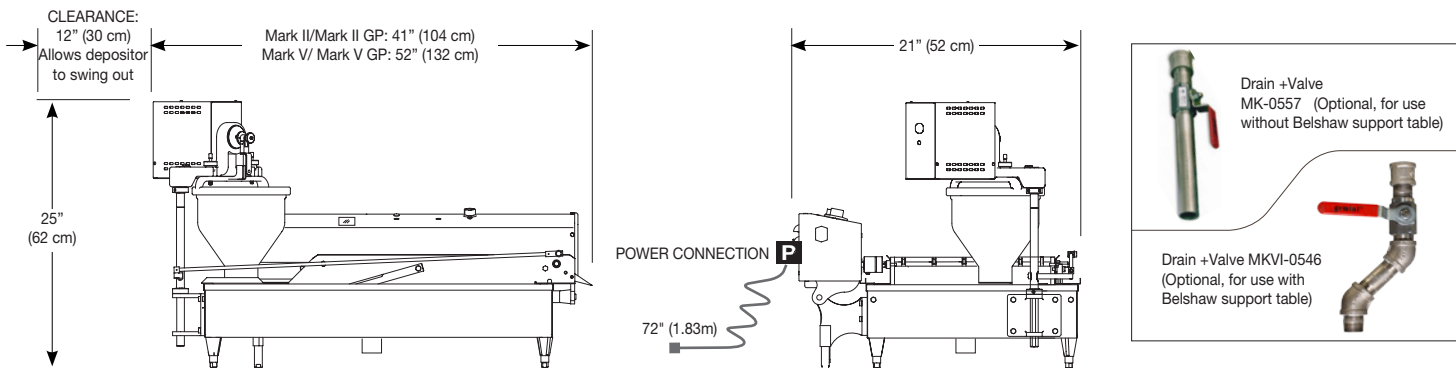
Estimates are based on full capacity at frying times of 95 seconds for standard donuts and 60 seconds for mini donuts.

RAISED DONUTS

- With the addition of an FT42 Feed Table, Proofing Trays, and Proofing Cloths, Mark II and Mark V are suitable for making excellent raised donuts.



Product Line	DONUT ROBOT® Automatic Fryers
Models	Mark II • Mark II GP • Mark V • Mark V GP



STANDARD FEATURES

- Electric heat with high durability, low wattage-density heating element
- Temperature control by electronic controller (normally within $\pm 1^\circ$)
- High temperature limit switch – cuts power at approximately 450°F (232°C)
- Automatic cake donut depositor, synchronized with fryer conveyor
- On Mark II and Mark V, stainless steel 'Plain' donut plunger, 1-9/16" (39.7mm) diameter. Deposits 2 standard size donuts per conveyor row.
- On Mark II GP and Mark V GP, double 1" (25.4mm) diameter plunger. Deposits 4 mini donuts per conveyor row.
- Stainless steel conveyor with flight bar system for advancing donuts
- On Mark II and Mark V, conveyor's flight bars are spaced 3¾" (95mm) from center to center for standard size donuts. Flight bars are round, 3/8" (9.5mm) diameter.
- On Mark II GP and Mark V GP, flight bars are spaced 3" (76mm) center-to-center.
- Aluminum hopper with 10 lbs (4.5kg) batter capacity (or 10 qt / 9.5 liter)
- Batter weight adjustment dial, allows variation from small to large donuts
- Kettle drain with cap (extended drain and valve optional)
- Automatic turning and dispensing of donuts
- Frying time dial sets frying times from approximately 55 to 360 seconds
- Half-speed switch that reduces automatic cake donut deposits to 1 donut per conveyor row instead of 2. For GP models, 2 per row instead of 4.
- Compatible with Belshaw Adamatic's 'Insider' ventless cabinet

OPTIONS

- Extended drain with valve (Item# MKVI-0547) for Belshaw support tables. Extends 15" (38cm) below the fryer. Drain valves require a hole in the fryer's supporting table.
- 1-9/16" Star Plunger. Makes ring donuts with a star shape around the center hole.
- Mini donut conversion kit (Item#MK-1502-1). This kit includes hopper and double plunger used on 'GP' models, for depositing 4 mini donuts per conveyor row. Changeover from standard to mini donuts and back again takes less than one minute

ACCESSORIES

- **Roto-Cooler** (Item #22104). Revolving white polyethylene tray for collecting donuts as they are dispensed from fryer
- **EZMelt 18**. Melter-filter for filtering and recycling oil, with fixed hose connection available for instant refill of fryer. Requires drain and valve.
- **Shortening Reserve Tank** (Item #MKV-1012). Small s/s container for holding oil or shortening above the fryer, with a valve for allowing refills to fryer
- **FT2 Feed Table with trays and cloths**. Required for yeast-raised donut production
- **Filter Flo Siphon**. Alternative to EZMelt for filtering shortening. (No drain required)

VENTILATION AND FIRE SUPPRESSION

- Customer is responsible for installation of ventilation hood and/or fire suppression as required by local codes.

ELECTRICAL DATA

Mark II and Mark II GP

- 208-240 V, 50/60 Hz, 1 ph, 4.4-5.8 kW, 21-24 A
- 208-240 V, 50/60 Hz, 3 ph, 4.5-5.9 kW, 12.7-14.7 A

Mark V and Mark V GP

- 208-240 V, 50/60 Hz, 1 ph, 6.9-9.1 kW, 33-38 A
- 208-240 V, 50/60 Hz, 3 ph, 6.9-9.0 kW, 19.2-22.1 A
- North America single phase Mark II includes plug NEMA 14-30P
- North America single phase Mark V includes plug NEMA 14-50P
- Other worldwide voltages available (plug not supplied)

FRYING AREA AND SHORTENING CAPACITY (approx)

Mark II and Mark II GP

- Frying area: 32"L x 12"W x 4.5"D (81 x 30.5 x 11.5 cm)
- Shortening volume: 7 gallons (27 liter)
- Shortening weight: 50 lbs (23 kg)

Mark V and Mark V GP

- Frying area: 43"L x 12"W x 4.5"D (109 x 30.5 x 11.5 cm)
- Shortening volume: 10 gallons (38 liter)
- Shortening weight: 72.6 lbs (33 kg)

CLEARANCE

- 2 inches (5 cm) between machine and all construction
- 2 feet (61 cm) at outfeed for Roto-Cooler or other receptacle
- 12 inches (30 cm) at infeed for depositor to swing out

SHIPPING DATA

Shipped in 2 cartons. Freight class: 85

Mark II / Mark II GP

- Fryer: 44"x24"x18", 130 lbs (112x61x46cm, 59 kg)
- Depositor: 16"x16"x22", 24 lbs (41x41x56cm, 11 kg)

Mark V / Mark V GP

- Fryer: 56"x24"x18", 146 lbs (142x61x46cm, 66 kg)
- Depositor: 16"x16"x22", 24 lbs (41x41x56cm, 11 kg)

CERTIFICATIONS



- ETL certified to UL-197, CSA C22.2 and NSF-4

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