

RPF ROTARY PISTON FILLER

Flexible, Fast and Reliable

The RPF Rotary Piston Filling Machine has been redesigned for even more advanced performance. Fast, flexible, and reliable, our rotary piston fillers are automatic machines that accommodate a wide range of containers and products of most viscosities at high production speeds of 600+ per minute. The standard 2.75" diameter cylinders and pistons provide fill ranges of 5 to 21 fluid ounces. This series is available in different frame sizes and models; from four to thirty-six filling nozzles. The overhead driven pistons feature fine fill piston adjustment, achieving $\pm 0.5\%$ fill accuracy. These cylinders and pistons are easily removed for cleaning or changeover to other sizes.

New features include improved starwheel drive system with factory set overload clutches and improved spiral drive clutch, both offering more precise adjustment and never needing re-adjustment. Other developments are an improved piston drive cam assembly for quieter operation and more precise fills and an upgraded volume adjustment mechanism with maintenance free linear bearings including tamper resistant limit switches to maintain factory settings.

New Features

- Improved star wheel drive system with maintenance free factory set overload clutches.
- Improved spiral drive clutch.
- Belt adjustment mechanism on spiral drive for faster, easier maintenance.
- Improved piston drive cam assembly for quieter operation, more precise fills and extended piston travel for up to 6.5" of stroke.
- Improved volume adjustment mechanism featuring maintenance free linear bearings in place of complex gib system. Includes tamper resistant limit switches to maintain factory settings.
- Improved bottle detect sensor with easier adjustment and more reliable operation under severe conditions.
- Real time hopper level display on control panel
- CompactLogix operation system with AB Panel View 1000 color display.



See this machine on our website at <http://www.cozzoli.com/rotary-filling-equipment.html>

Regular Features

- No-drip positive shut off valve design
- Flush in place systems
- Touch screen electronic control
- Available different frame sizes and models ranging from four to thirty-six nozzles
- Fine fill piston adjustment, achieving $\pm 0.5\%$ fill accuracy
- Easy cleaning and changeover

All rotary fillers can be combined for filling and capping in a monoblock design providing you with a compact, space-saving and cost-efficient combination that is easy to operate, change and maintain.

Specifications

Model	RPF-4X	RPF-8	RPF-8G	RPF-12	RPF-12G
Number of Nozzles	4	8	8	12	12
Max Fill Volume	48 oz.	48 oz.	171 oz.	48 oz.	171 oz.
Max Container Diameter	5", 127mm	5", 127mm	8", 203mm	5", 127mm	8", 203mm
Max Container Height	12", 305mm	12", 305mm	14", 356mm	12", 305mm	14", 356mm
Container Height Adjustment	Manual	Manual	Electrical	Manual	Electrical
Piston Stroke Adjustment	Manual Handwheel	Manual Handwheel	Manual Handwheel	Manual Handwheel	Manual Handwheel
Maximum Speeds (CPM)	60	120	120	180	180
Air Requirements	60 psi, 1 cfm	60 psi, 1 cfm	60 psi, 1 cfm	60 psi, 1 cfm	60 psi, 1 cfm
Reservoir Capacity	14 gallons 53 liters	14 gallons 53 liters	35 gallons 132 liters	25 gallons 95 liters	65 gallons 246 liters
Conveyor Length	10 ft, 3.1 m	10 ft, 3.1 m	12 ft, 3.7 m	12 ft., 3.7 m	12 ft, 3.7 m
Electricals	2 HP 230/3/60 NEMA 4	2 HP 230/3/60 NEMA 4	5 HP 230/3/60 NEMA 4	2 HP 230/3/60 NEMA 4	5 HP 230/3/60 NEMA 4
Dimensions (Crated) L x W x H	11' x 5' x 8'	11' x 5' x 8'	12' x 7' x 9'	12' x 7' x 9'	12' x 7' x 9'
Gross Weight	2850 lbs 1295 kg	3500 lbs 1590 kg	5400 lbs 2454 kg	4100 lbs 1860 kg	8000 lbs 3636 kg

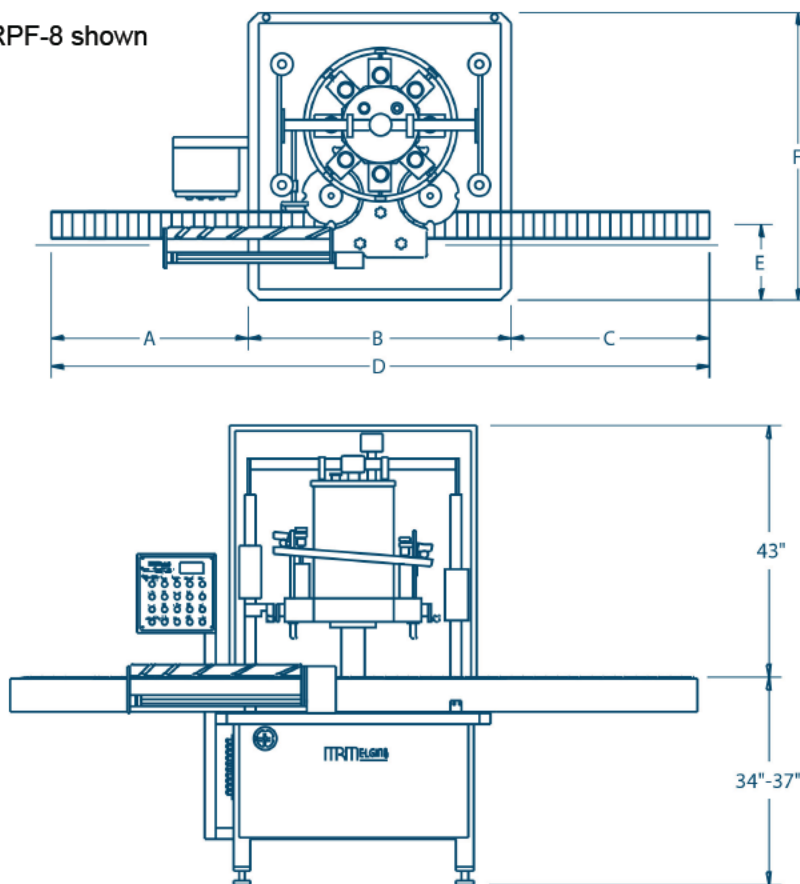
X=upgradeable to 8 head filler 0 G=gallon filler
Q=quart filler (maximum fill volume for these frame sizes)

Model	RPF-16	RPF-24	RPF-24Q	RPF-30Q	RPF-36Q
Number of Nozzles	16	24	24	30	36
Max Fill Volume	52 oz.	52 oz.	37 oz.	37 oz.	37 oz.
Max Container Diameter	4-3/4", 121mm	5", 127mm	3-1/2", 89mm	3-1/2", 89mm	3-1/2", 89mm
Max Container Height	12", 305mm	12", 305mm	12", 305mm	12", 305mm	12", 305mm
Container Height Adjustment	Manual	Electrical	Electrical	Electrical	Electrical
Piston Stroke Adjustment	Manual Handwheel	Manual Handwheel	Manual Handwheel	Manual Handwheel	Manual Handwheel
Maximum Speeds (CPM)	240	360	360	450	540
Air Requirements	60 psi, 1 cfm	60 psi, 1 cfm	60 psi, 1 cfm	60 psi, 1 cfm	60 psi, 1 cfm
Reservoir Capacity	35 gallons 132 liters	100 gallons 378 liters	55 gallons 208 liters	80 gallons 303 liters	125 gallons 473 liters
Conveyor Length	12 ft, 3.7m	12 ft, 3.7m	12 ft, 3.7m	12 ft, 3.7m	12 ft, 3.7m
Electricals	3 HP 230/3/60 NEMA 4	5 HP 230/3/60 NEMA 4	5 HP 230/3/60 NEMA 4	5 HP 230/3/60 NEMA 4	7.5 HP 230/3/60 NEMA 4
Dimensions (Crated) L x W x H	11' x 7' x 9'	12' x 9' x 7'	12' x 9' x 7'	12' x 9' x 7'	12' x 9' x 7'
Gross Weight	4100 lbs 1860 kg	9000 lbs 4085 kg	5500 lbs 2500 kg	8000 lbs 3636 kg	9000 lbs 4085 kg

Cozzoli Machine Company MRM/Elgin maintains a continuing development program. Equipment built after publication may vary from specifications given here. Actual production speeds may vary depending upon product and containers.

Dimensions

Model RPF-8 shown



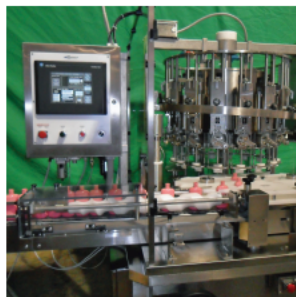
	RPF-4X	RPF-8	RPF-8G	RPF-12	RPF-12G	RPF-16	RPF-24	RPF-24Q	RPF-30	RPF-36Q
A	36"	36"	37"	45"	32 ½"	30"	33 ½"	39 ¼"	36"	29 ¼"
B	48"	48"	70"	54"	79"	60"	77"	65 ½"	72"	84"
C	36"	36"	37"	45"	32 ½"	30"	33 ½"	39 ¼"	36"	29 ¼"
D	120"	120"	144"	144"	144"	120"	144"	144"	144"	144"
E	13 ¾"	13 ¾"	18"	14 ¾"	18 ½"	14"	14 1/3"	14 ¾"	19 ¾"	18 ½"
F	32 ½"	32 ½"	76"	59 ¼"	87 ½"	66"	93 ½"	68 ½"	78"	97"

X=upgradeable to 8 head filler • G=gallon filler • Q=quart filler

Applications



Deoderant



Shampoo



Honey

Applications include deodorant, honey, shampoo, mayonnaise, lotion, cream, spread, BBQ sauce, gel, liquid soap, vinegar & oil, hot sauce, salsa, baby food, ketchup, salad dressing, horse-radish, jam, relish, peanut butter, corn syrup, chemicals, oil, fabric softener, paint, anti-freeze among others.



Cozzoli Machine Company MRM/Elgin will meet the specifications you require with machinery of the highest integrity, whether your application calls for an individual machine or complete line of integrated machinery. Contact our Sales Team at sales@cozzoli.com or 732-564-0400 for more information about our machines and capabilities.

For almost a century, Cozzoli Machine Company MRM/Elgin has provided technologically advanced machinery for the packaging industry. As a global leader in the design, manufacture, distribution, and service of precision cleaning, sterilizing, filling, and closing systems, Cozzoli is the single source provider for everything from individual components to fully integrated lines. Aseptic and non-aseptic pharmaceutical, cosmetic, health, beauty aids, personal care, food, beverage, chemical, paint, and industrial products are some of the industry segments Cozzoli serves.

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Rotary Piston Fillers

SPECIAL APPLICATIONS

MODEL	RPF-4X	RPF-8	RPF-8G	RPF-12	RPF-12G
NUMBER OF NOZZLES	4	8	8	12	12
MAXIMUM FILL VOLUME	48 oz	48 oz	171 oz	48 oz	171 oz
MAXIMUM CONTAINER DIAMETER	5" 127mm	5" 127mm	8" 203mm	5" 127mm	8" 203mm
MAXIMUM CONTAINER HEIGHT	12" 305mm	12" 305mm	14" 356mm	12" 305mm	14" 356mm
CONTAINER HEIGHT ADJUSTMENT	Manual	Manual	Electrical	Manual	Electrical
PISTON STROKE ADJUSTMENT	Manual Handwheel	Manual Handwheel	Manual Handwheel	Manual Handwheel	Manual Handwheel
MAXIMUM SPEEDS (CPM)	60	120	120	180	180
AIR REQUIREMENTS	60 psi 1 cfm	60 psi 1 cfm	60 psi 1 cfm	60 psi 1 cfm	60 psi 1 cfm
RESERVOIR CAPACITY	14 gallons 53 liters	14 gallons 53 liters	35 gallons 132 liters	25 gallons 95 liters	65 gallons 246 liters
CONVEYOR LENGTH	10 ft 3.1 m	10 ft 3.1 m	12 ft 3.7 m	12 ft 3.7 m	12 ft 3.7 m
ELECTRICALS	2 HP 230/3/60 NEMA 4	2 HP 230/3/60 NEMA 4	5 HP 230/3/60 NEMA 4	2 HP 230/3/60 NEMA 4	5 HP 230/3/60 NEMA 4
DIMENSIONS (CRATED) L x W x H	11' x 5' x 8'	11' x 5' x 8'	12' x 7' x 9'	12' x 7' x 9'	12' x 7' x 9'
GROSS WEIGHT	2850 lbs 1295 kg	3500 lbs 1590 kg	5400 lbs 2454 kg	4100 lbs 1860 kg	8000 lbs 3636 kg

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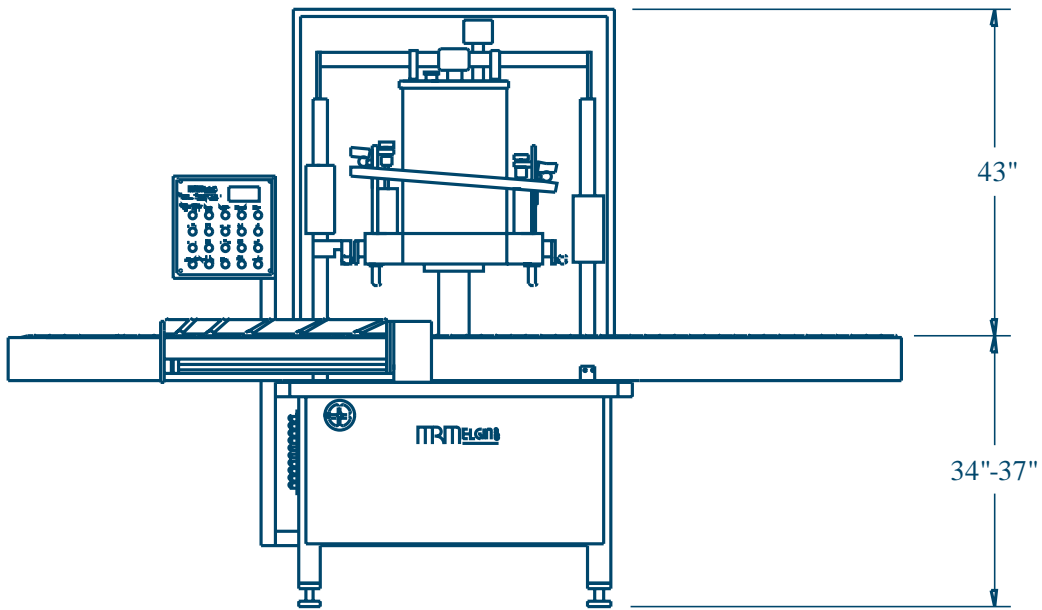
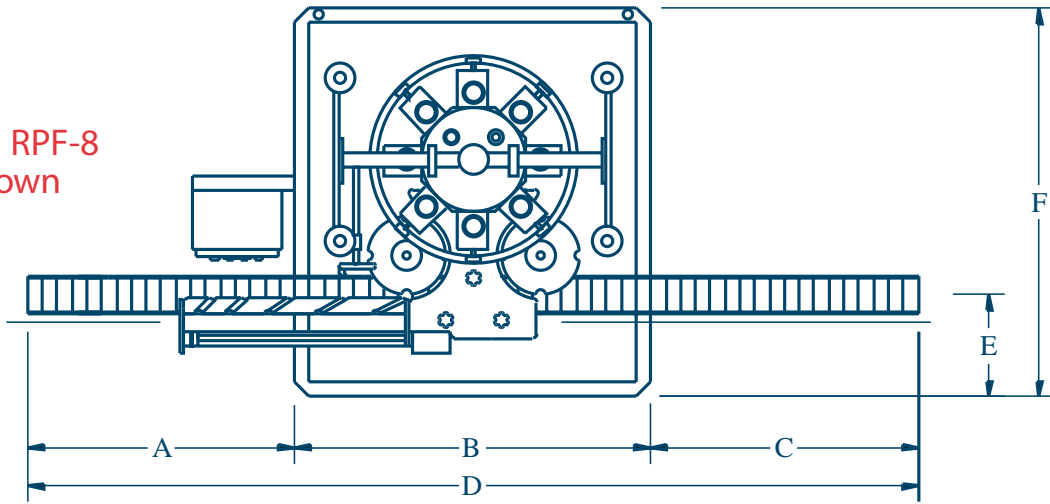
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MAXIMUM CONTAINER DIAMETER	4-3/4" 121mm	5" 127mm	3-1/2" 89mm	3-1/2" 89mm	3-1/2" 89mm
MAXIMUM CONTAINER HEIGHT	12" 305mm	12" 305mm	12" 305mm	12" 305mm	12" 305mm
CONTAINER HEIGHT ADJUSTMENT	Manual	Electrical	Electrical	Electrical	Electrical
PISTON STROKE ADJUSTMENT	Manual Handwheel	Manual Handwheel	Manual Handwheel	Manual Handwheel	Manual Handwheel
MAXIMUM SPEEDS (CPM)	240	360	360	450	540
AIR REQUIREMENTS	60 psi 1 cfm	60 psi 1 cfm	60 psi 1 cfm	60 psi 1 cfm	60 psi 1 cfm
RESERVOIR CAPACITY	35 gallons 132 liters	100 gallons 378 liters	55 gallons 208 liters	80 gallons 303 liters	125 gallons 473 liters
CONVEYOR LENGTH	12 ft 3.7 m	12 ft 3.7 m	12 ft 3.7 m	12 ft 3.7 m	12 ft 3.7 m
ELECTRICALS	3 HP 230/3/60 NEMA 4	5 HP 230/3/60 NEMA 4	5 HP 230/3/60 NEMA 4	5 HP 230/3/60 NEMA 4	7.5 HP 230/3/60 NEMA 4
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Model RPF-8
shown



	RPF-4X	RPF-8	RPF-8G	RPF-12	RPF-12G	RPF-16	RPF-24	RPF-24Q	RPF-30Q	RPF-36Q
A	36"	36"	37"	45"	32½"	30"	33½"	39¼"	36"	29¾"
B	48"	48"	70"	54"	79"	60"	77"	65½"	72"	84½"
C	36"	36"	37"	45"	32½"	30"	33½"	39¼"	36"	29¾"
D	120"	120"	144"	144"	144"	120"	144"	144"	144"	144"
E	13¾"	13¾"	18"	14¾"	18½"	14"	14⅓"	14¾"	19¾"	18½"
F	32½"	32½"	76"	59¼"	87½"	66"	93½"	68½"	78"	97"

X = upgradeable to
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G = gallon filler

Q = quart filler



DIMENSIONS