



RPF – ROTARY PISTON FILLER

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. Available in different frame sizes and models; from four to thirty-six filling nozzles, the RPF provides fill ranges from 5 to 21 fluid ounces.

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.

OVERHEAD DRIVEN PISTONS

Featuring fine fill piston adjustments, achieving +/-0.5% fill accuracy. These cylinders and pistons are easily removed for cleaning or changeover to other sizes.

KEY 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 touch-screen AB Panel View 1000 color display.
- No-drip positive shut off valve design.
- Flush in place systems.
- Easy cleaning and changeover No-drip positive shut off valve design.

APPLICATIONS

Hand sanitizer, honey, shampoo, mayonnaise, lotions, creams, BBQ sauce, gels, liquid soap, salsa, baby food, ketchup, salad dressing, jam, relish, peanut butter, deodorant, paint, and many others.



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	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	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 7' x 9'	12' x 7' x 9'	12' x 7' x 9'
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.