

*PROVEN  
VERSATILITY  
AND  
RELIABILITY*

## VR2PP SERIES LIQUID FILLING MACHINE

The VR2PP Series are reliable, high performance aseptic liquid filling machines using peristaltic pump technology. The Cozzoli Peristaltic Pump Filling System utilizes the latest innovations in single-use technology. Advantages include reduced costs, quicker set up, less waste and completely eliminates cleaning process. Designed with Class 100 clean rooms in mind, the VR2PP Series uses a straight line concept with a small footprint and is built for reliability, easy operation and accuracy. The VR2PP models are available with 2 heads, 4 heads, 6 heads or 8 heads.

Changes for various container heights are made with the servo drive height adjustment feature. Nozzle stroke adjustments are also made via servo drive.



Cozzoli Peristaltic Pump with 316L Stainless Steel Supply Manifold



Single Use Filling Path with Plastic Bags



VR2PP-4 model shown.

### FILL PRINCIPLE

Containers are positioned in the machine by a feed screw. A diving nozzle system provides bottom-up filling on a range from 0-4" (101.6mm). This system eliminates the need to change cams and speeds up changeover. A drop control mechanism eliminates a hanging drop at the completion of the fill cycle.

A PLC controls intermittent container handling through the machine.

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Somerset, NJ 08873-1289  
USA



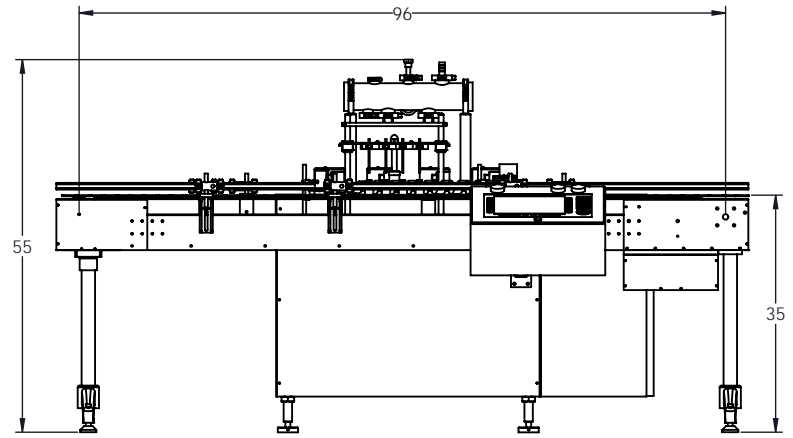
Phone: (732) 564-0400  
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## VR2PP SERIES - OPTIONS AND ACCESSORIES

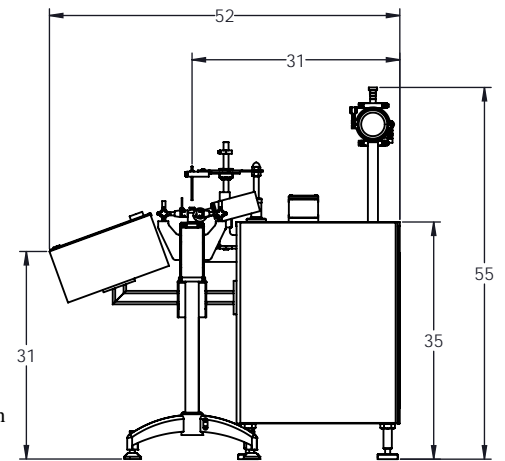
Automatic makeup and backup controls for smooth line operation  
 Combination filling & flushing nozzles for nitrogen flushing during filling  
 Down vial eliminator  
 IQ/OQ/PQ Protocols (written)  
 Air/Vacuum cleaning assembly  
 Various electrical and controls configurations  
 Remote operator console  
 Lexan Enclosure with laminar flow hood

### Standard Specifications

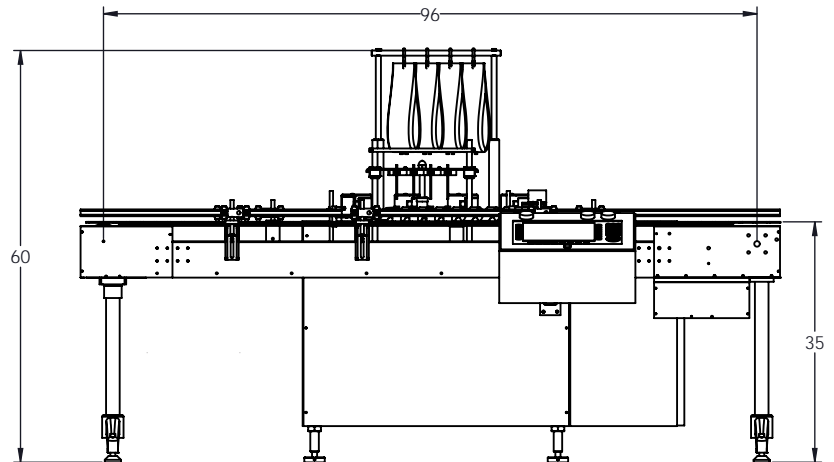
Stainless steel frame	(STD)
Conveyor Type	Sanitary type stainless steel conveyor bed with raised 3 1/4" Delrin Top
Conveyor Travel	Left to Right (STD)
Conveyor Length Ctr to Ctr	8 feet c to c
Number of pumps	2 to 8
Fill Size	See tubing chart below
Nozzle Elevation Adjustment	Up to 4"
Container Movement	Intermittent
Cycles per Minute	Up to 30
Containers per Minute	Up to 240
Maximum Container Height	203mm or 8"
Maximum Container Diameter	Up to 76mm or 3"
Minimum Container Diameter	16mm or 5/8"
Bottle Spacing	Feed screw
Electricals	115V 60Hz/1 Ph



Model VR2PP-4 shown with tank, front view.



Model VR2PP-4 shown with tank, side view.



Model VR2PP-4 shown with bags, front view.

Tubing			
ID [inches]	OD [inches]	Fill Rate *Min. [ml/s]	Fill Rate *Max. [ml/s]
1/64	5/32	-	2
1/16	3/16	.8	8
3/32	7/32	2	16
1/8	1/4	5	32
3/16	5/16	12	64
1/4	3/8	30	-

\*Min. and Max. Fill Rates based on a typical fill time range of 0.5 to 1.0 seconds

Cozzoli Machine Company is an international leader in the design, manufacture, distribution, and service of precision cleaning, filling, and closing systems in stand-alone or monoblock versions. Since 1919 the company has been serving the pharmaceutical, biotechnology, diagnostic, cosmetic, and chemical industries.

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