

*PROVEN
VERSATILITY
AND
RELIABILITY*

VR2 SERIES LIQUID FILLING

The VR2 filler is a reliable, high performance aseptic liquid filling machine, conforming to current cGMPs. This series uses existing overhead laminar air flow to it's fullest - using a straight-line concept and small footprint, effective in maintaining the integrity of a clean room environment.

The Cozzoli simple two-piece filling syringes and valve assemblies are designed for sterile, bacteria-free environments. High precision machining of our filling syringes allows each machine to achieve a fill accuracy of $\pm 1/2$ of 1% by volume, or better. Other fill methods, such as diaphragm, peristaltic, etc. are also available.

Changeover for various container heights and nozzle stroke adjustment is made easy, with simple calibrated hand-wheel features.



VR2/S Monoblock filler/stopper system 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.

CONTROLS

The PLC controls intermittent container handling through the timing feedscrew.

This feedscrew can be set to multidose, which provides maximum production for large fills, or when running foamy products.



Control panel shown with optional remote umbilical mount

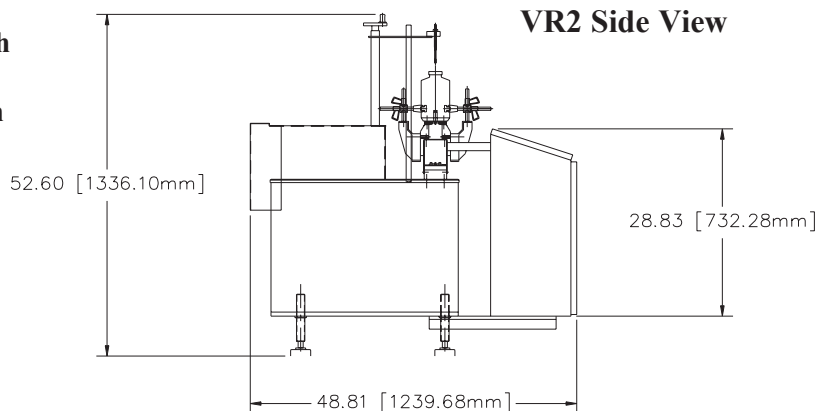
50 Schoolhouse Road
Somerset, NJ 08873-1289
USA



Phone: (732) 564-0400
Fax: (732) 564-0444
Email: sales@cozzoli.com
www.cozzoli.com

VR2 - OPTIONS AND ACCESSORIES

Automatic makeup and backup controls for smooth line operation
 Combination filling & flushing nozzles for nitrogen flushing during filling
 Fine adjustment volume control
 Electronic volume control
 Dual-track filling for higher speeds
 Down vial eliminator
 IQ/OQ/PQ Protocols (written)
 Air/Vacuum cleaning assembly
 Various electrical and controls configurations
 Explosion proof electrical
 Diaphragm pumps for shear sensitive products
 Stainless steel frame
 Centering devices
 Remote operator console



... and more OPTIONS

Full length feed screw or gating
 Flow meter assemblies
 Right to left configuration
 Monoblock configuration (shown below with stoppering)

Standard Specifications

Number of Syringes	2 to 12
Maximum Syringe Size	up to 120 cc
Syringe Stroke	50mm or 2"
Nozzle Elevation Adjustment	76mm or 3"
Container Movement	Intermittent
Cycles per Minute	Up to 30
Containers per Minute	Up to 230
Maximum Container Height	203mm or 8"
Maximum Container Diameter	up to 76mm or 3"
Minimum Container Diameter	20mm or 5/8"

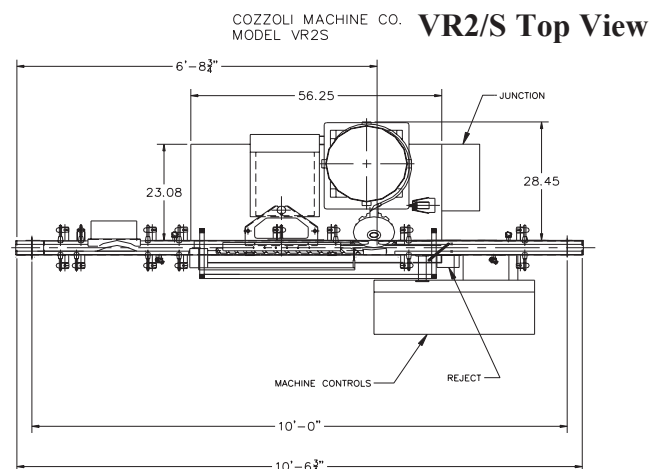
Conveyor Type	Stainless steel conveyor bed with raised 3 1/4" (82mm) Delrin Top
Conveyor Travel	Left to Right
Conveyor Speed per Minute	0 to 18288mm
Conveyor Length Ctr to Ctr	1524mm

Bottle Spacing	Feed screw
----------------	------------

Main Motor Electricals	3/4hp D.C. Motor
Conveyor Motor Electricals	Worm Gear Motor 1/4hp; 115V D.C.; 115V; 60Hz; 1Ph

Approx. Crated Dimensions	
Filler only (WxDxH)	4140mm x 1600mm x 1905mm

Approx. Net Weight	1360 kg or 3000 lbs.
Approx. Gross Weight	1588 kg or 3500 lbs.



Model VR2/S drawing shown above with monoblocked Cozzoli RS400 stoppering system to fill and stopper on one machine.

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.