

**CONSISTENT  
RELIABLE  
HIGH PERFORMANCE**

## **GW 24 VIAL & AMPULE WASHER**

Cozzoli Machine Company's GW24 Batch Washer is a high production vial and ampule cleaning machine, designed for years of reliable operation. Using a PLC to control the wash cycle, the wash parameters can be programmed into the machine for individual wash cycles. Up to 9 different wash recipes of 18 steps each provide for individualized customer requirements. All wash recipes can be password protected.

### **GW 24 LOADING OPERATION**

Vials or ampules are placed into the loading plate, either by hand or in batch, depending upon your package configuration - these plates are then placed into the washer. As the washer cover is closed, the glassware descends over the washing needles. The needles are centered and do not touch the inside of the glassware.

To load the vials in batch, they must be received from the manufacturer in a consistent, shrink-wrapped pattern that Cozzoli engineers will use to design the needle plate pattern. For maximum production, each vial size/pattern should have it's own dedicated change parts.

The GW 24 is equipped standard with six valves. Three are 1" lines, dedicated for liquid wash media, such as water for injection (WFI). The remaining three 1/2" lines are dedicated for clean-compressed air, steam (if required) and the last for outside wash. Materials of construction include 316L stainless steel needles, 316L stainless steel piping with sanitary connections, 316L basin and top cover, and the frame is 304 stainless steel exterior surfaces with an aluminum base frame.



### **STANDARD FEATURES**

316L Stainless Steel Needle Plate

Six ITT Diaphragm Valves with Teflon Seals

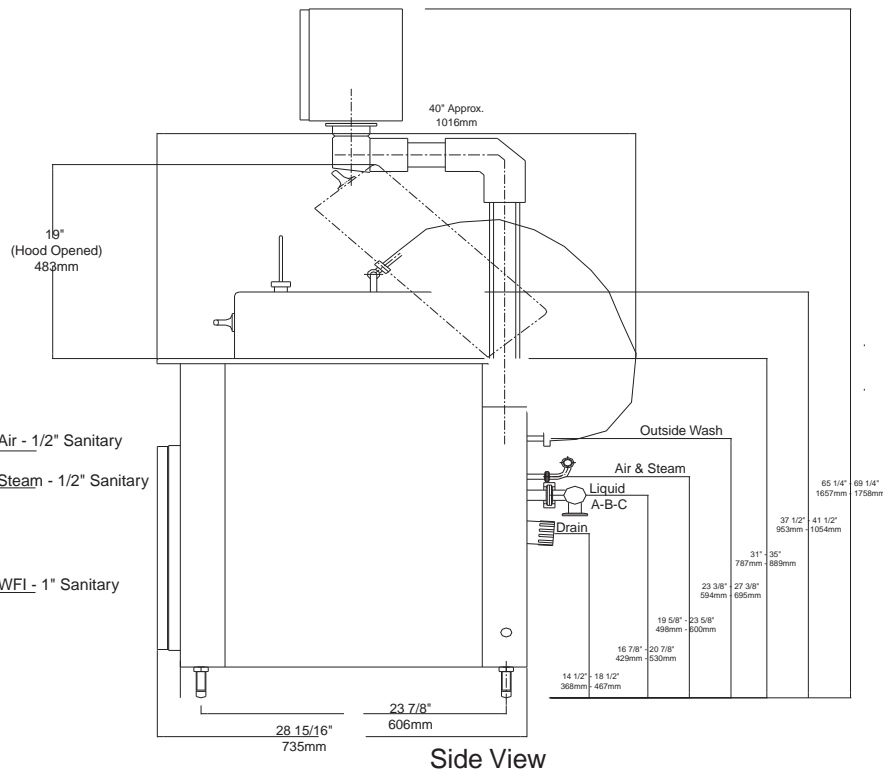
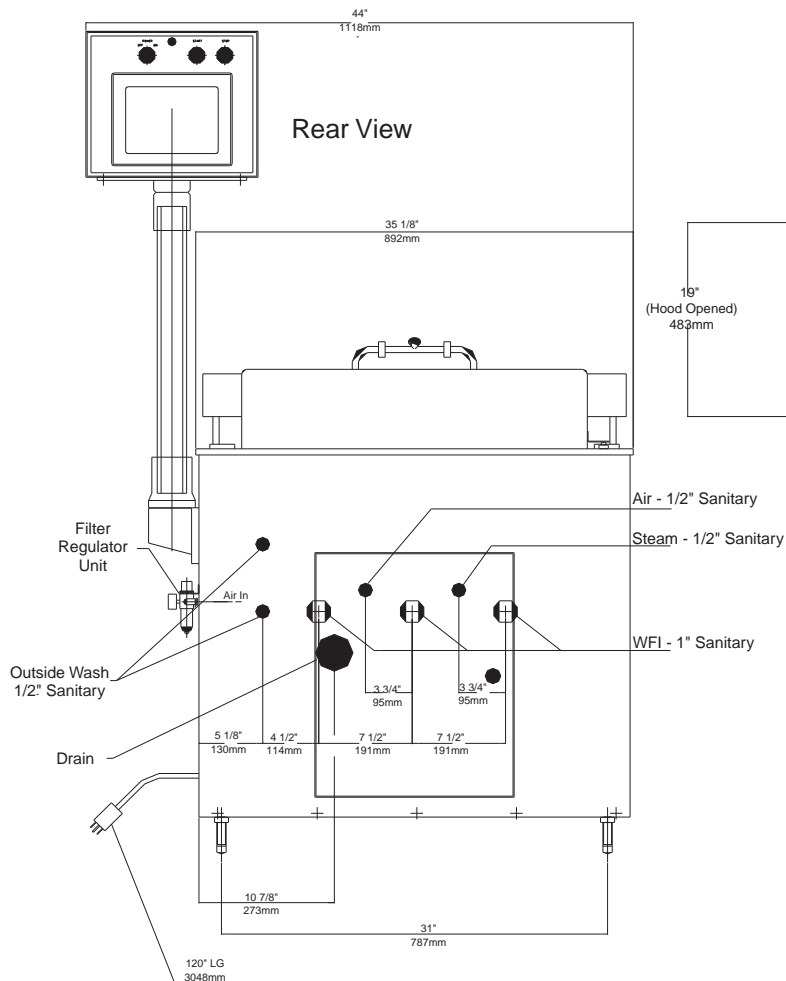
Allen Bradley PLC with Panelview Display

Swing Arm Control Panel for Easy Access and Calibration

115V, 60 HZ, 1 PH - NEMA 12 Utilities

Top Cover Safety Switch

## SPECIFICATIONS GW24



## OPTIONS

Incoming WFI and/or Air Manifold  
 Inspection Shield Assembly  
 Recirculation Unit  
 Hood Lock  
 Low Incoming Pressure Safety Switch  
 Cycle Completion Annunciator  
 Ethernet Upgrade to PLC  
 EEPROM to Store PLC Program  
 Remote Access Programming & Monitoring  
 Alternate Electrical Configurations  
 Spare Parts Kit

## WEIGHT & DIMENSIONS

Approx. Crated: 40"W x 51"L x 57" H  
 1016mmW x 1295mmL x 1447mmH  
 Approx. Crated Weight: 950 lbs. or 431 kg.

## CHANGEPARTS

Ampule Adapter Sets Available in the Following Configurations:

- Four Gross Ampule Adapter Set - 1 & 2 ml vials
- Four Gross Ampule Adapter Set - 5 ml vials
- Two Gross Ampule Adapter Set - 10 ml vials
- One Gross Ampule Adapter Set - 1, 2 and 5 ml vials
- One Gross Ampule Adapter Set - 10 & 20 ml vials

Anodized Aluminum Box Plates

Vial Adapter Sets and Restraining Trays

Loading Plates up to 500+ holes per plate on 1 and 2 ml vials

## AVAILABLE PROTOCOLS

- IQ/OQ Validation Protocol - Written
- Factory Acceptance Test Protocol - Written
- PQ / Performance Qualification Protocol - Written
- IQ/OQ Validation Protocol - Execution
- Factory Acceptance Test Protocol - Execution



*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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