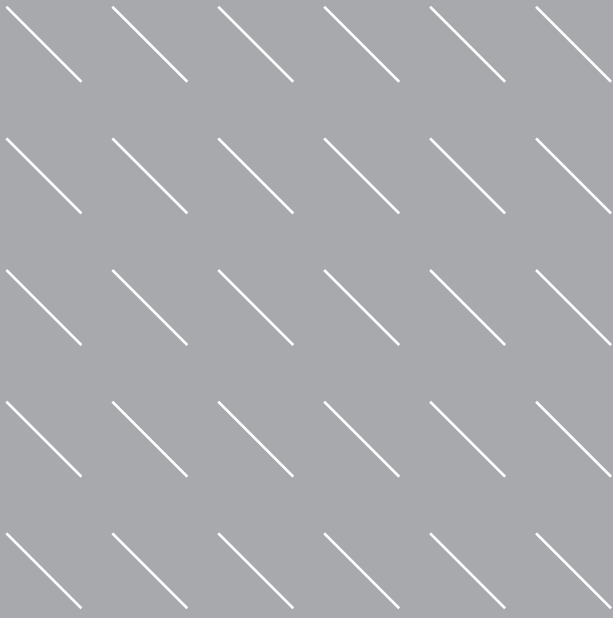


/EQUASHIELD PRO/

Automated Compounding of Hazardous Drugs



Robotic Hazardous Drug Compounding

Introducing

EQUASHIELD® is a developer of Closed System Transfer Devices (CSTDs) to safely handle hazardous drugs during compounding and administration. EQUASHIELD®'s mechanically closed CSTD design relies on its unique pressure equalization mechanism and its use of double tight seal double membranes to keep connectors residual free despite multiple entries. EQUASHIELD® Pro is built around the EQUASHIELD® CSTD and relies on its innovative design to redefine the automation workflow and optimize throughput.

**With Built-In Safety of
Industry-Leading Closed
System Transfer Device**

Unlike traditional robot's reliance on robotic arms that mimic human motion with the use of conventional needle and syringe methods, which may potentially lead to cytotoxic drips, spills, aerosols and vapor release, EQUASHIELD® Pro uses a multi-station compounding approach to minimize both the motion and time it takes to prepare a dose, much like a factory manufacturing line. EQUASHIELD® Pro can also process a wide variety of finished product dosage forms and access all size drug vials to be a truly versatile machine. EQUASHIELD® Pro is designed to make the adoption of robotics simple and affordable in the IV compounding workspace regardless of hospital size. It is comparable in size to a standard Biological Safety Cabinet, making it easy to fit into hospital pharmacies.



Overview

Multitasking Automated Compounding



Hazardous drug protection utilizes EQUASHIELD®'s leading Closed System Transfer Device ensuring a leak-free and vapor-free connection.

Highly versatile produces a wide range of patient-specific doses with IV bags or syringes.



Dosage error protection uses EQUASHIELD®'s dose verification system to prevent incorrect drugs, dose mixing and labeling errors during compounding.



High throughput meeting your compounding needs during peak time, enabling you to optimize patient care without sacrificing resources.



Small footprint comparable in size to a standard biological safety cabinet, EQUASHIELD® pro fits into existing pharmacy space



Multiple image processing cameras contribute to the accuracy and validation of the preparation. All images are archived and can be incorporated as part of the documentation process.

Key Metrics

A Progressive Choice in Automated Hazardous Drug Compounding

EQUASHIELD® Pro is our proprietary automated compounding robot. Utilizing our CSTD and designed to complete your daily workload in one hour.

60

Large Vial
Storage Capacity

08

Simultaneous
Work Stations

67

Syringe Unit
Storage Capacity

70

Doses Compounded
Per Hour

08

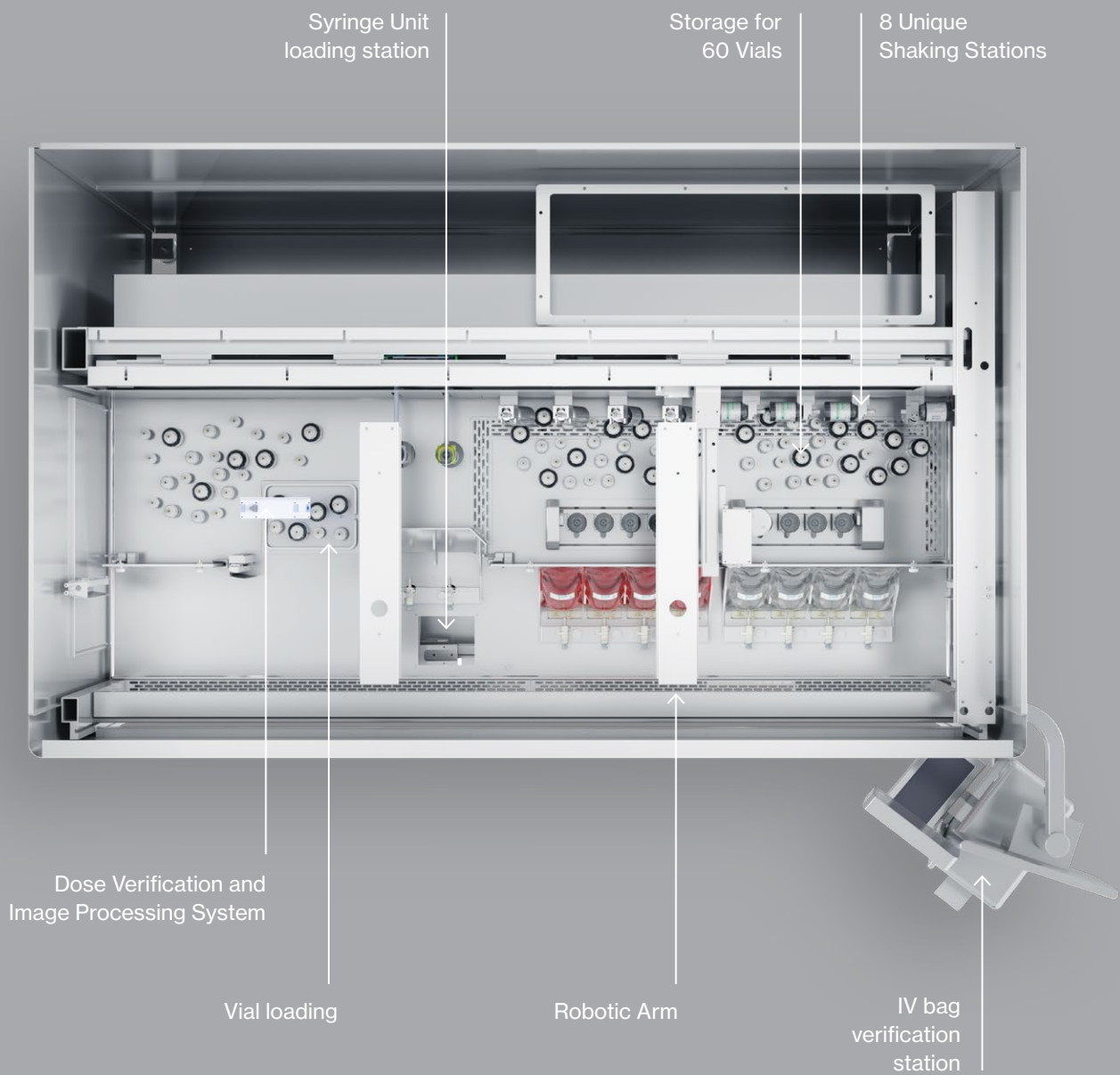
Shakers with 2
Reconstitution Stations

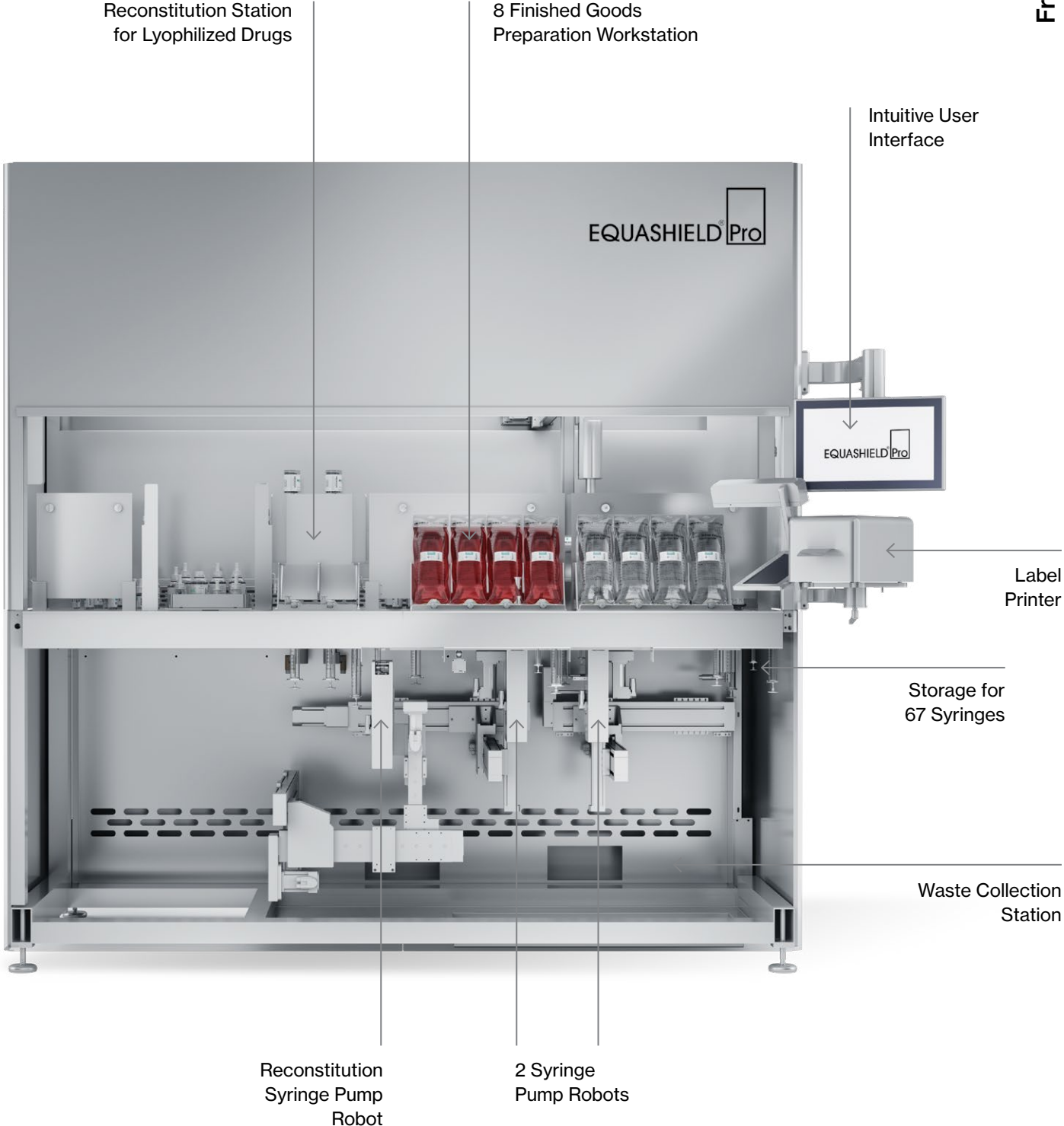


The Product

A Look Inside EQUASHIELD[®] Pro

Top View





Reconstitution Station for Lyophilized Drugs

8 Finished Goods Preparation Workstation

Intuitive User Interface

EQUASHIELD Pro

EQUASHIELD Pro

Label Printer

Storage for 67 Syringes

Waste Collection Station

Reconstitution Syringe Pump Robot

2 Syringe Pump Robots

Technical Specifications

Small Footprint, Large Capacity

Product specification

Size (WxDxH): 2246 x 1371 x 2295 (mm), 88.39 x 53.96 x 90.35 (in)

Minimum Clearance (in): 46 (Front), 13.5 (Right), 2 (Left), 2 (Back)

Minimum Distance from Ceiling (in): 4

Inner workspace of EQUASHIELD® Pro (w x d): 88.2 x 29.2 (in)

Weight: 1,200 (Kg), 2205 (lbs)

Floor Rating: >113 lb/ft² (550 Kg/m²)

Doorway Clearance Necessary for Installation: 0.99 (m), 39 (in)

Corridor Width Requirement (to mitigate 90° turns): 1.50 (m), 59 (in)

Air Outflow Max: 1,400 m³/h, 825CFM


Power Supply (3 Phase): 380 or 480V; 6A


Networking Interface: 1x RJ45 female

Product Capacity

Vials


Storage Capacity: 60 vials (10-200ml)

 1ml to 200ml

 Most commercially available vials of 13, 20 neck size

Syringes


Conveyor Capacity: 67 Syringes

 1ml to 60ml

 EQUASHIELD® Syringe Units

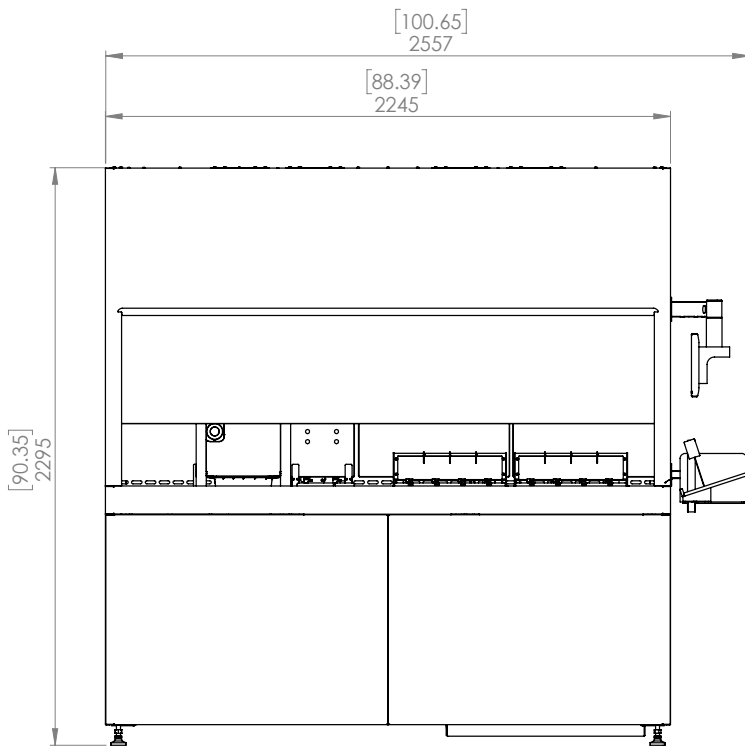
IV Bags

8 Simultaneous Workstations

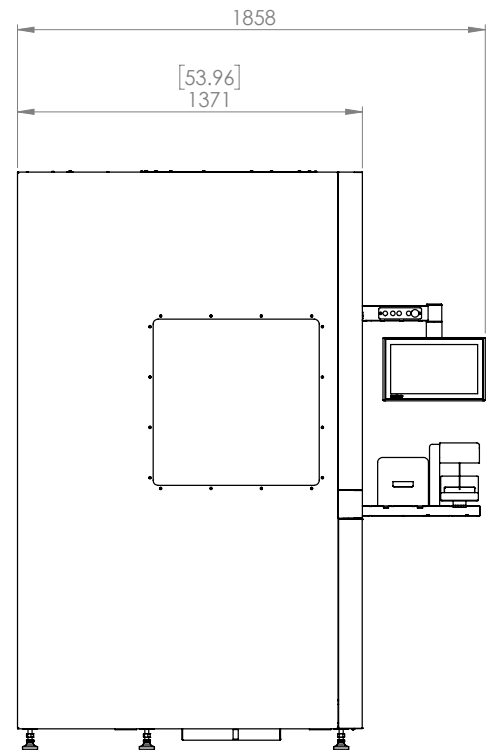
 50ml to 1000 ml

 Any commercially available IV Bags with ISO compatible IV spike port

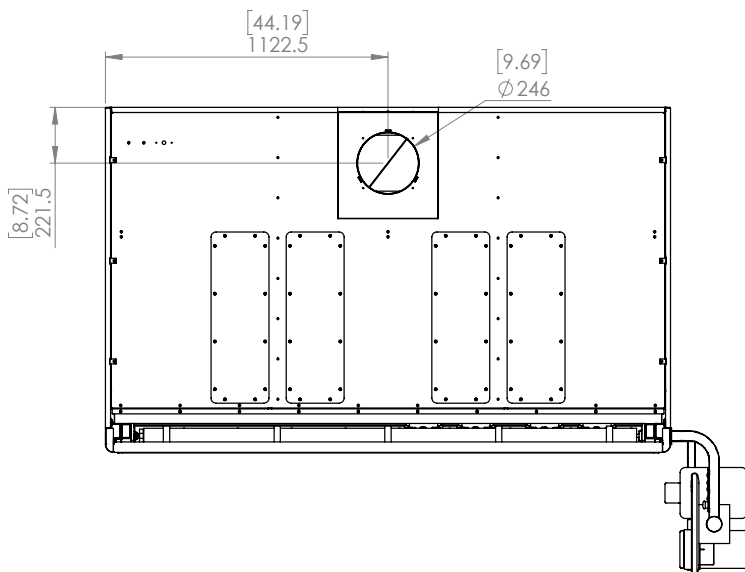
Front View



Side View



Top View



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EQUASHIELD[®]
Compounding Technologies

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