

SINGLE USE SUPPORT.

PIONEERING BIOPHARMA



RoSS.FILL Base

Fill and filter your bulk drug substance

Fast throughput

Up to 3000 kg per batch

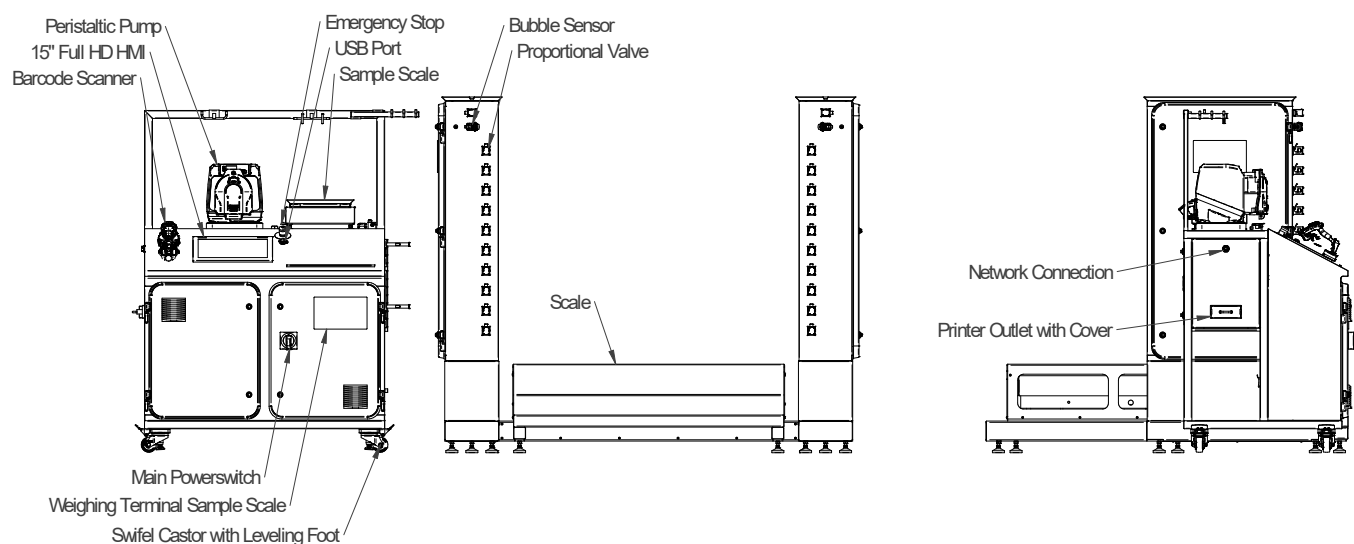
Highest accuracy

RoSS.FILL Base

Bulk drug substance filling and filtration.

RoSS.FILL Base is a flexible automated filling machine for the allocation and distribution of commercialized bulk drug substance (DS) into any primary packaging. The fluid path is fully disposable, and ready to accommodate various sterile connection and disconnection options for single-use aseptic filling.

The system enables filling of up to 3000 kg within one fill run and is therefore most suitable for commercial bulk filling. The ability to use 2D & 3D single-use bags or other containers such as drums gives you the ultimate freedom in designing your filling process.



RoSS.FILL Base 3000

Facts:

- Fully automated filling and filtration system for any primary packaging, such as 2D and 3D single-use bags, drums, etc.
- Integrated stepper valves for advanced fluid control
- Scalability: Option to attach multiple racks per fill run
- Modular system with separate control unit and pumping station
- Ease of use in operation / recipe driven processing
- Reliable platform with custom-made single-use assemblies
- Bag & connector agnostic set-up
- Suitable for cleanroom and based on international biopharmaceutical standards
- Option to take samples

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TECHNICAL SPECIFICATIONS*

GENERAL INFORMATION

Field of use	Commercialized bulk substance handling
Primary packaging	any (2D single-use bags, 3D single-use bags, drums, moveable racks etc.)

VOLUMES SPEED QUANTITIES

ROSS.FILL BASE 1500

ROSS.FILL BASE 3000

Container per valve tower	10	
Max. number of valve towers	2	
Max. containers total	20	
Weight per container	1 to 1500 kg	1 to 3000 kg
Max. weight total (per system run)	1500 kg	3000 kg
Filling speed	20 x 50 L in 4 h (250L/h)	20 x 50 L in 4 h (250L/h)

ACCURACY

Accuracy	±100 g
Reading	50 g
Weighing class	OIML R60 class C3

VALVE SET UP

Valves per tower	10+1
Actuation type	Electric
Pinch function	Included
Stepper function	Included
Sealer function	Upgrade
Perforation function	Upgrade
Bubble sensors per tower	1

* The specified values refer to the standard version; customized changes are possible on request.

ROSS.FILL Base

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MANIFOLD SET UP

Max. pump tubing OD	5/8"
Main manifold OD	5/8"
Bag branches OD	5/8"
Manifold supply	Single Use Support + all other vendors

DIMENSIONS & WEIGHT

	ROSS.FILL BASE 1500	ROSS.FILL BASE 3000
Dimensions (LxWxH)	1882 (+250) x 1920 x 1477 mm 74.094 (+9.843) x 75.590 x 58.150"	1882 (+250) x 1920 x 1777 mm 74.094 (+9.843) x 75.590 x 69.960"
Weight	280 kg	435 kg

CU SPECIFICATIONS

Pump	Watson Marlow 630
Max. pump speed	7200 mL/min (3/8" ID)
Flow sensor	not available
Sample scale	yes
Sample scale weight limit	6000 g
Sample scale readability	1 g
Pressure sensor sockets	2
Label printer	Included
Provision for filter	Included
Dimensions CU (LxWxH)	1294 x 902 x 1705 mm 50.945 x 35.512 x 67.126"
Weight of CU	250 kg

VARIOUS

Designed in accordance with	ASME / CE / UL /ASME-BPE / cGMP / 21 CFR Part 11
Electrical power supply	230V 50Hz / 115V 60Hz
Available as I/O	Yes
Control system manufacturer	Siemens S7 / Delta V / PCS 7
Communication	OPC UA interface available
Mobile system	CU-yes / Scale-no



Single Use Support assists you from beginning to end, offering highly qualified support all along the way. Contact us for further details!