Fluidmatic

FUNCTIONAL DESCRIPTION

Updated for 2024, Fluidmatic v3 is a system for the automatic supply of liquid binder and cleaner to ExOne sand binder jetting systems. Fluidmatic automatically pumps liquids from external IBC tanks to fill the fluid cabinet of the 3D printer while waste is also automatically emptied into a third tank for disposal. Free operators from having to fill machines for each new job and supply multiple machines from one efficient source to streamline your binder jetting operations.

SPECIFICATIONS

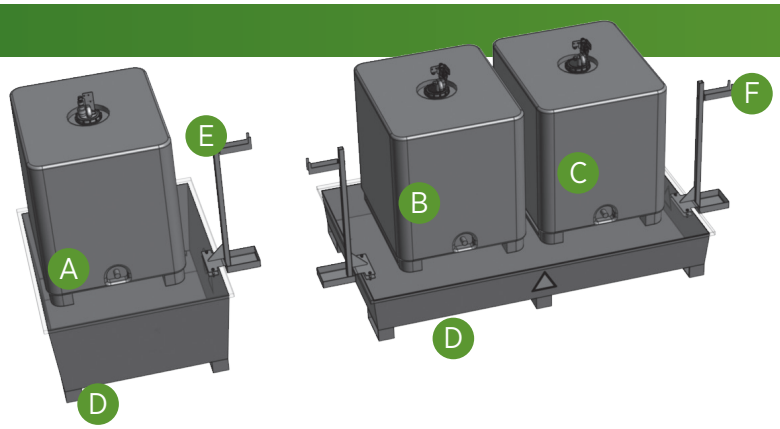
Container type	IBC tank
Max. delivery height	10 m (32.8 ft)
Main voltage input	230 V AC 1 ph/N/PE
Frequency	50/60 Hz
Nominal current	3.5 A
Power consumption	0.8 kVA
System compatibility	ExOne printers with Siemens and Beckhoff TwinCat3 Available for all ExOne binder systems

KEY BENEFITS

- One Fluidmatic supports up to four 3D printing systems (with a compatibility kit for each machine)
- Reduce labor without having to fill liquids for each new job
- Optimize consumable costs and minimize waste by sourcing in bulk amounts rather than purchasing, and disposing of, individual canisters
- Improve printing reliability with automated dosing and easy maintenance
- Support health & safety regulations by minimizing employee contact with liquid solvents
- Fast return on investment (ROI) with savings on consumables, labor, and logistics

CONFIGURATION

A IBC tank for waste liquid
B IBC tank for binders
C IBC tank for cleaners
D Collection tray
E Filling unit holder
F Extraction unit holder



www.exone.com

ExOne™