

Formlabs Fuse Sift

Properties



Printer Compatibility	Fuse 1
Dimensions	101.5 × 61.0 × 154.5 cm 39.9 × 24.0 × 60.8 in Height when open: 190 cm (75 in)
Fuse Sift Dimensions (W × D × H)	99.1 × 61.0 × 188.8 cm 39.0 × 24.0 × 61.8 in
Build Chamber Dimensions (W × D × H)	27.9 × 34.2 × 48.9 cm 11.0 × 13.5 × 19.3 in
Minimum Access Dimensions (W × D × H)	221.1 × 122.0 × 218.0 cm 87.1 × 48.0 × 85.8 in
Fuse Sift Weight	93 kg (without build chamber or powder) 205 lb (without build chamber or powder)
Build Chamber Weight	11 kg (17.6 kg, full with 20% packed powder) 24.3 lb (38.8 lb, full with 20% packed powder)
Air Filtration Technology	Replaceable HEPA filter
Build Volume (W × D × H)	16.5 × 16.5 × 30.0 cm (with radiused corners) 6.5 × 6.5 × 11.8 in (with radiused corners)
Fresh Powder Hopper Capacity	8.5 kg Nylon 12 18.7 lb Nylon 12
Used Powder Hopper Capacity	9.1 kg Nylon 12 20 lb Nylon 12
Operating Environment	18 – 26 °C 68 – 80 °F ≤ 30% ambient humidity
Air Handling	Negatively pressurized hood with replaceable HEPA filter Independent venting system
Air Filtration	Replaceable HEPA medium

Fuse Sift

Power Requirements	With a vacuum that draws less than 6 A (230 VAC) / 12 A (120 VAC): EU: 230 VAC, 7.5 A (dedicated circuit) US: 120 VAC, 15 A (dedicated circuit) With a vacuum that draws more than 6 A (230 VAC) / 12 A (120 VAC): EU: 230 VAC, 10 A (dedicated circuit) US: 120 VAC, 20 A (dedicated circuit)
Vacuum Requirements	Auxiliary vacuum with static dissipative components that is grounded and bonded (e.g., a NFPA 652 compliant vacuum)
Connectivity	Wi-Fi (2.4 GHz) Ethernet (1000 Mbit) USB 2.0
Ethernet Connectivity	RJ-45 Ethernet (10BASE-T/100BASE-TX/1000BASE-T) LAN port Connect with a shielded Ethernet cable (not included): minimum Cat5, or Cat5e or Cat6 for 1000BASE-T.
Wi-Fi Connectivity	Protocol: IEEE 802.11 b/g/n Frequency: 2.4 GHz Supported security: WPA/WPA2
USB Connectivity	USB (rev 2.0) B port with a USB A-B cable
Sound Emission	Does not exceed 76.5 dB(A)
Fuse Sift Control	Interactive touchscreen, physical buttons
Included Accessories	Large Brush Small Brush x 2 Pipe Cleaners Dental Picks Gloves Dust Mask Safety Glasses Vacuum Brush Tool Vacuum Crevice Tool Lifting Straps