

AM 400



대형 Powder Bed Fusion 3D 프린터를 위한
고생산성 • 고성능 프리미엄 필터링 시스템

BOFA의 AM 400은 불활성 미립자 필터링을 위해 특별히 설계 및 제작된 적층 제조 산업을 위한 고생산성 • 고성능 프리미엄 필터링 시스템입니다.

Direct Metal Laser Sintering, Selective Laser Melting, Selective Laser Sintering 방식의 3D 프린터 구동 시에 발생할 수 있는 금속 및 폴리머 미립자를 F8 및 H14 등급의 고성능 필터를 사용하여 매우 효과적으로 포집하고 프린터 내부와 작업 환경에 깨끗하게 필터링된 공기를 공급합니다.

AM 400의 기술



Intelligent(iQ)
operating System



DeepPleat DUO
pre filter



Automatic flow control
(ACF) Technology



Reverse flow gas
(RFG) Technology



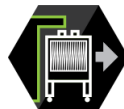
Patented technology



Low leakage



Electronic lift assist



Removable filter
housing



ProTECT service plan



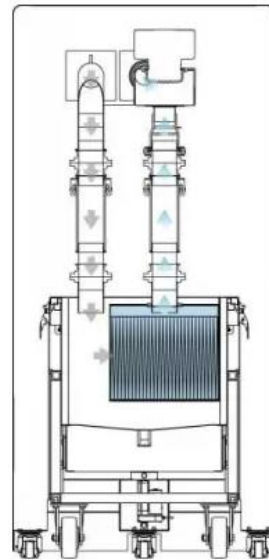
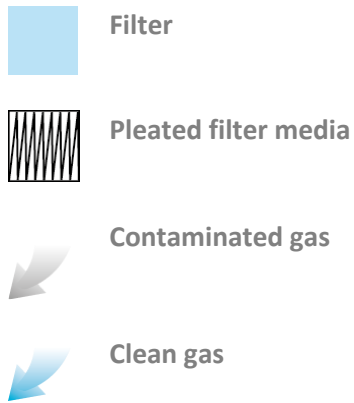
SureCHECK quality
standard

AM 400의 주요 특징

Reverse flow filter technology	F8 particulate filter
Realtime gas flow reading	Filter status warnings
Automatic flow control	High contrast display
Remot diagnostic via USB	Interfacing
Removable filter housing	Isolation valve
Electronic lift assist	Low leakage
Tri-clamp inlet & outlet connections	Upgrade to HEPA filter*

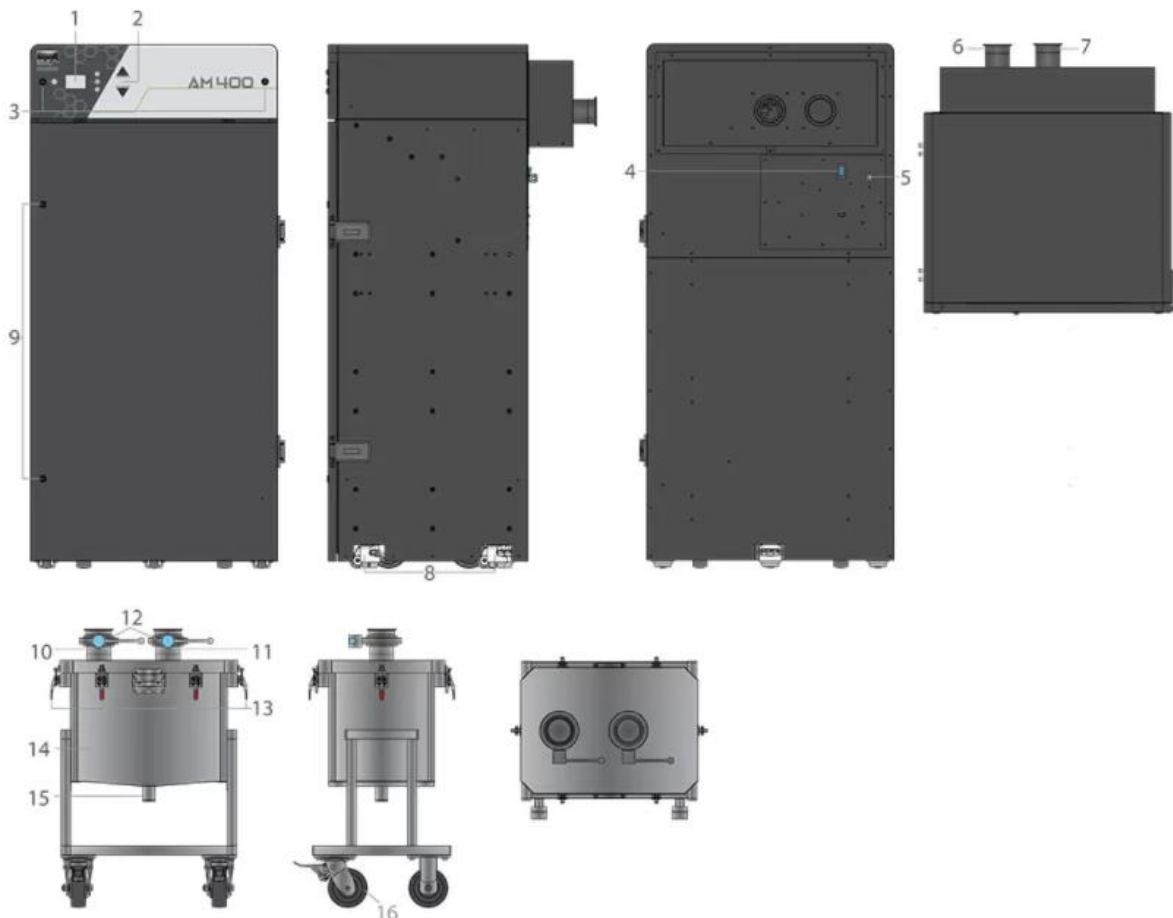
* 사용자 옵션 사양

필터를 통과하는 기류



AM 400 기술 사양

- | | | | |
|----------------------------|---|--|---|
| 1. iQ screen | 2. Up and down button for the filter housing electronic lift assist | 3. Front door hinges | 4. Power switch |
| 5. Power cable inlet | 6. Inlet connection 'dirty gas' out of process chamber | 7. Outlet connection 'cleaned gas' back in to process chamber | 8. Lockable and height adjustable castors |
| 9. Front door locks | 10. Filter compartment inlet 'dirty gas' out of process chamber | 11. Filter compartment outlet 'cleaned gas' back in to process chamber | 12. Shutoff isolation valves |
| 13. Filter housing latches | 14. Filter housing | 15. Filter housing sump plug | 16. Lockable castors |



Technical data

전력 사양	230V, 단상, 50/60Hz
Max. pressure drop	9mBar
Min. / Max. flow rate	150m ³ /hr / 330m ³ /hr
Max. vacuum	224mBar
Noise level	<75 dBA (at typical operating speed)
Leakage rate @ -10mBar	<33ml/min
Max. current	13.5 amps
Dimension (W x D x H)	790 x 857 x 1,670 mm
Power consumption	1.8kW
Weight	192 kg
Approvals	UKCA and CE



Housing

Max. pressure drop	7mBar
Max. Allowable pressure	±250mBar
Leakage rate @ -10mBar	<25ml/min
Dimension (W x D x H)	625 x 463 x 888 mm
Dropout chamber size	60 L
Weight	40 kg

Filter F8

Filter efficiency	95% @ 0.9 microns
Surface media area	13.2m ²
Dimension (W x D x H)	331 x 329 x 310 mm
Outlet size	DIA 75 mm
Filter media	Borosilicate
Filter media construction	Maxi pleat construction with glue bead spacers
Filter housing material	Zintec steel

Filter H14

Filter efficiency	99.997% @ 0.3 microns
Surface media area	13.2m ²
Dimension (W x D x H)	331 x 329 x 310 mm
Outlet size	DIA 75 mm
Filter media	Borosilicate
Filter media construction	Maxi pleat construction with glue bead spacers
Filter housing material	Zintec steel

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