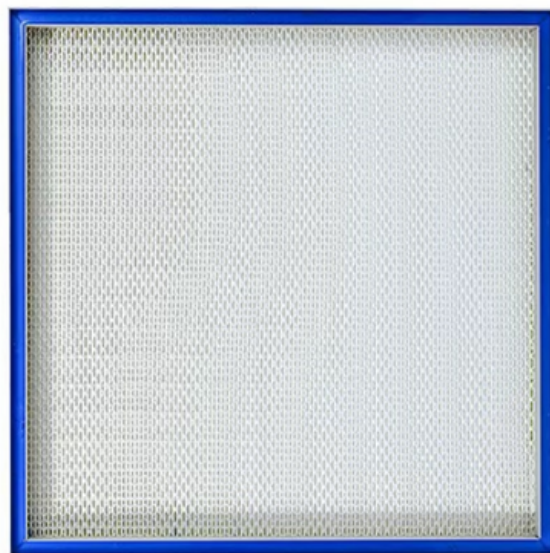


Mini-pleated HEPA/ULPA Filters (PAO Gel-seal) (AG-HEPA/ULPA-MP)

Amorair gel-sealed HEPA/UPLA air filters feature integrated channels within the filter frame containing non-flowing, non-hardening polyurethane gel sealant. This design delivers superior sealing integrity compared to conventional alternatives. They are ideal for environments demanding high airtight integrity and cleanliness, particularly installations requiring on-site DOP (dispersed oil particulate) leak testing, such as pharmaceutical manufacturing facilities.



- Ideal for PAO Integrity Testing
- High Dust Loading Capacity
- Better Sealing Performance
- Available for Custom Sizes
- 100% Scan Tested According To EN1822/ISO29463

Specifications

Frame Material	Galvanized Steel / Aluminum
----------------	-----------------------------

Media	Fiberglass
-------	------------

U.S. Efficiency	99.995%, 99.9995% @ MPPS
-----------------	--------------------------

Euro Efficiency	H14, U15
-----------------	----------

Max Temperature	70 °C (158 °F)
-----------------	----------------

Seal	Top Gel-seal / Side Gel-seal
------	------------------------------

Sealant	Polyurethane
---------	--------------

Protection	Front and Back Faceguard Recommended
------------	--------------------------------------

Depth	80mm (3.1") / 100mm (3.9") (top gel-seal) / 93mm (3.7") (side gel-seal), custom upon request
-------	--

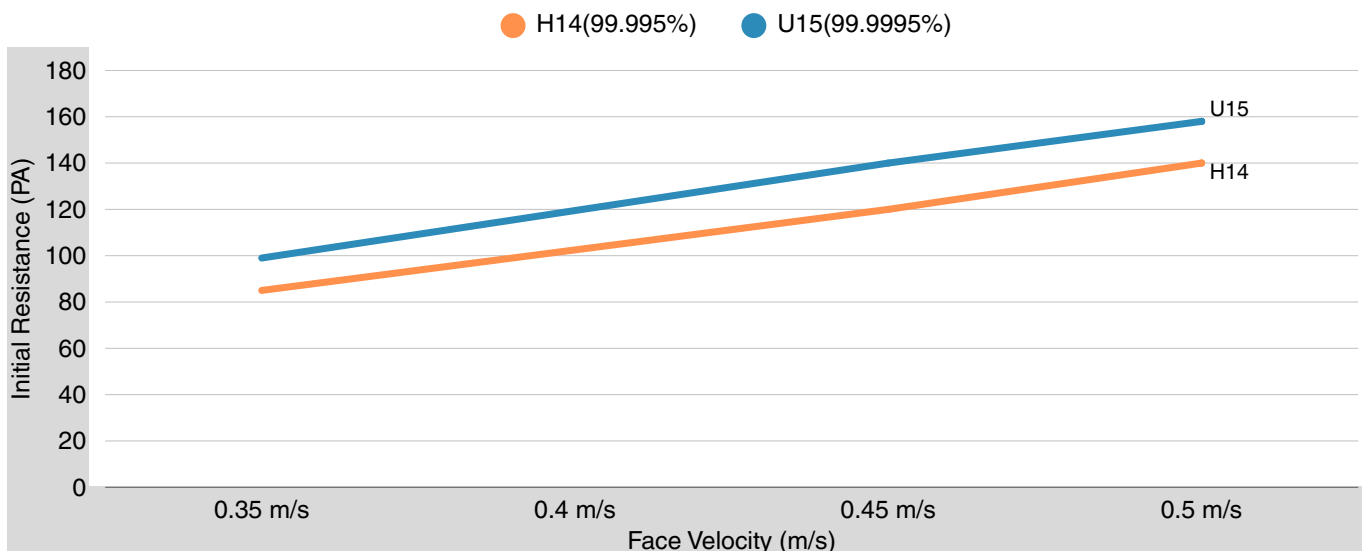
PRODUCT PARAMETERS

INTERNATIONAL STANDARD					
Actual Size (mm) W x H x D	Gel-seal Design	Air Flow (m³/h)	Face Velocity(m/s)	Initial Resistance (Pa)	
				H14	U15
610x305x80	Top	260	0.45	120	140
610x610x80	Top	550	0.45	120	140
610x305x100	Top	260	0.45	90	110
610x610x100	Top	550	0.45	90	110
610x305x93	Side	260	0.45	90	110
610x610x93	Side	550	0.45	90	110
U.S STANDARD					
Nominal Size (inch) W x H x D	Gel-seal Design	Air Flow((CFM))	Face Velocity (FPM)	Initial Resistance (in W.G)	
				99.995%	99.9995%
24x 12x 3.1	Top	153	89	0.48	0.56
24x 24x 3.1	Top	324	89	0.48	0.56
24x 12x 3.9	Top	153	89	0.36	0.44
24x 24x 3.9	Top	324	89	0.36	0.44
24x 12x 3.7	Side	153	89	0.36	0.44
24x 24x 3.7	Side	324	89	0.36	0.44

- Performance Initial Resistance Tolerance: ±10%
- Example dimensions displayed; custom sizes available

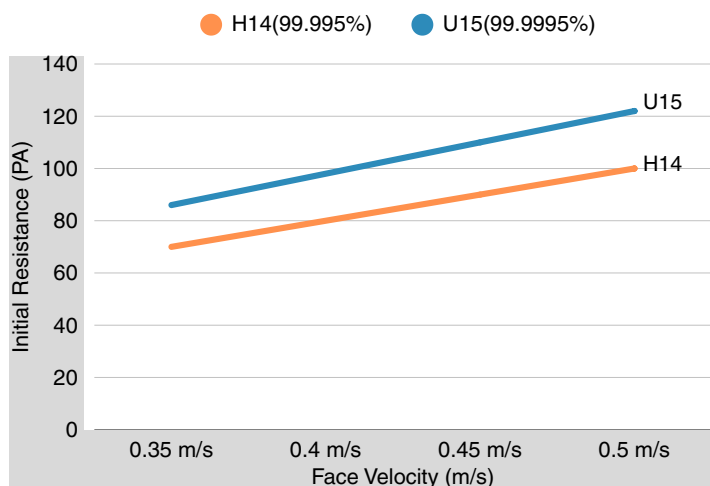
PERFORMANCE DATA

Initial Resistance vs. Filter Face Velocity



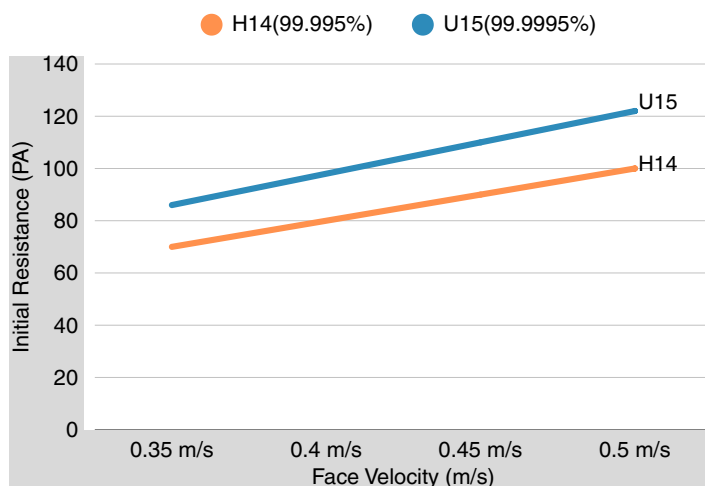
Product size: 570x 570x 80(mm) / 24x 24x 3.1(inch)

Initial Resistance vs. Filter Face Velocity



Product size: 570x 570x 93(mm) / 24x 24x 3.7(inch)

Initial Resistance vs. Filter Face Velocity



Product size: 570x 570x 100(mm) / 24x 24x 3.9(inch)

EFFICIENCY STANDARD

Ashare MERV				ISO 16890: 2016				EN	EN779			EN1822
	Composite Average Oarticle Size Efficiency (Em) % in Size Range Um			Average of initial and discharged efficiency Em=(Ei+Ed)/2		Initial Efficiency (Ei)	Initial Arrestanc e (Am)		Average Arrestance (Am) of Synthetic Dust	Average Efficiency (Em) at 0.4um	Minimum Efficiency (Em) at 0.4Um	Initial Efficiency (Ei) at MPPS (Typically 0.08-0.15um)
	Range 1	Range 2	Range 3	ePM1%	ePM2.5%	ePM10%	Coarse		Test Final dP 250 Pa	Test final dP 450 Pa		
	0.3-1.0	1.0-3.0	3.0-10.0	0.3-1.0	1.0-3.0	3.0-10.0	ISO Fine Dust		%	%	%	%
1			Em<20				Am<50 Final dP 200Pa	G1	50<=Am<=65			
2			Em<20									
3			Em<20									
4			Em<20									
5			Em<20				Am>=50 Final dP 200Pa	G3	80<=Am<=90			
6			Em>=20									
7			Em>=50									
8		Em>=20	Em>=70									
9		Em>=35	Em>=75			Ei>50		M5 (F5)		40<=Em<=60		
10		Em>=50	Em>=80									
11	Em>=20	Em>=65	Em>=85		Em>=50	Ei>70		M6		60<=Em<=80		
12	Em>=35	Em>=80	Em>=90									
13	Em>=50	Em>=85	Em>=90	Em>50	Em>65	Ei>80		F7		80<=Em<=90	Emin>=35	
14	Em>=75	Em>=90	Em>=95	Em>70	Em>80	Ei>90		F8		90<=Em<=95	Emin>=55	
15	Em>=85	Em>=90	Em>=95	Em>80				F9		95<=Em	Emin>=70	
16	Em>=95	Em>=95	Em>=95					E10				Ei>=85
								E11				Ei>=95
								E12				Ei>=99.5
HEPA	N/A	N/A	N/A	N/A	N/A	N/A	N/A	H13				Ei>=99.95
H14											Ei>=99.995	
ULPA								U15				Ei>=99.9995
								U16				Ei>=99.99995
								U17				Ei>=99.999995