



Clean Air Filter // Quality Tested. Performance Proven.

2203 HWY 59 Po Box 212 Defiance, IA 51527
712 748 3642 cleanairfilter.com

CAB PROTECTION FACTORS

Test Comparison Chart

Cab protection factors are a combination of filter efficiency and cab leakage. As a filter dust loads, its airflow decreases and its efficiency increases. At the same time the cab leakage increases because of higher negative pressure. This chart uses a 50/50 balance for adjustment.*

Filter vs. Cab

Filter Test Report #	Filter Level	Max Allowed Filter Leakage	Test Protocol	Max Allowed Cab Leakage	Cab Levels	Cab Test Report #	Category	Respirator
	99.95% mpps	< 0.05 mpps	Vapor (QUALEC) or equivalent	< 0.05 mpps	99.9% mpps		IV +OV±V	
	99% @ 0.3 µm	0.5% @ 0.3 µm	OPC @ 0.3µm<0.5µm and/or vapor	0.5% @ 0.3 µm	99% @ 0.3 µm		IV +OV±?	
	98% @ 0.3 µm	1% @ 0.3 µm	OPC @ 0.3µm<0.5µm and/or vapor	1% @ 0.3 µm	98% @ 0.3 µm		III & IV	Full Face
	96% @ 0.3 µm	2% @ 0.3 µm	OPC @ 0.3µm<0.5µm and/or vapor	2% @ 0.3 µm	96% @ 0.3 µm		II	
	90% @ 0.3 µm	5% @ 0.3 µm	OPC @ 0.3µm<0.5µm	5% @ 0.3 µm	90% @ 0.3 µm		II	Half Mask
	80% @ 0.3 µm	10% @ 0.3 µm	OPC @ 0.3µm<0.5µm	10% @ 0.3 µm	80% @ 0.3 µm		I	
	70% @ 0.3 µm	15% @ 0.3 µm	OPC @ 0.3µm<0.5µm	15% @ 0.3 µm	70% @ 0.3 µm		I	
	60% @ 0.3 µm	20% @ 0.3 µm	OPC @ 0.3µm<0.5µm	20% @ 0.3 µm	60% @ 0.3 µm		I	
	50% @ 0.3 µm	25% @ 0.3 µm	OPC @ 0.3µm<0.5µm	25% @ 0.3 µm	50% @ 0.3 µm		I	
	40% @ 0.3 µm	30% @ 0.3 µm	OPC @ 0.3µm<0.5µm	30% @ 0.3 µm	40% @ 0.3 µm		I	
	30% @ 0.3 µm	35% @ 0.3 µm	OPC @ 0.3µm<0.5µm	35% @ 0.3 µm	30% @ 0.3 µm		I	
	20% @ 0.3 µm	40% @ 0.3 µm	OPC @ 0.3µm<0.5µm	40% @ 0.3 µm	20% @ 0.3 µm		I	
	10% @ 0.3 µm	45% @ 0.3 µm	OPC @ 0.3µm<0.5µm	45% @ 0.3 µm	10% @ 0.3 µm		I	

All Cab Protection factors under 90% @ 0.3µm are classified as CAT I, No Rating

“A Chain Is Only As Strong As Its Weakest Link”

% represents minimal allowed Rating

*Acknowledges every cab type can have different values.

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