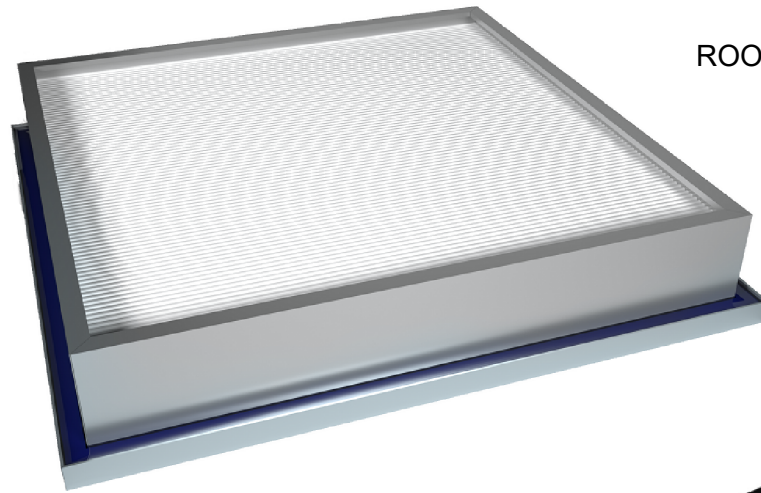


VANGUARD

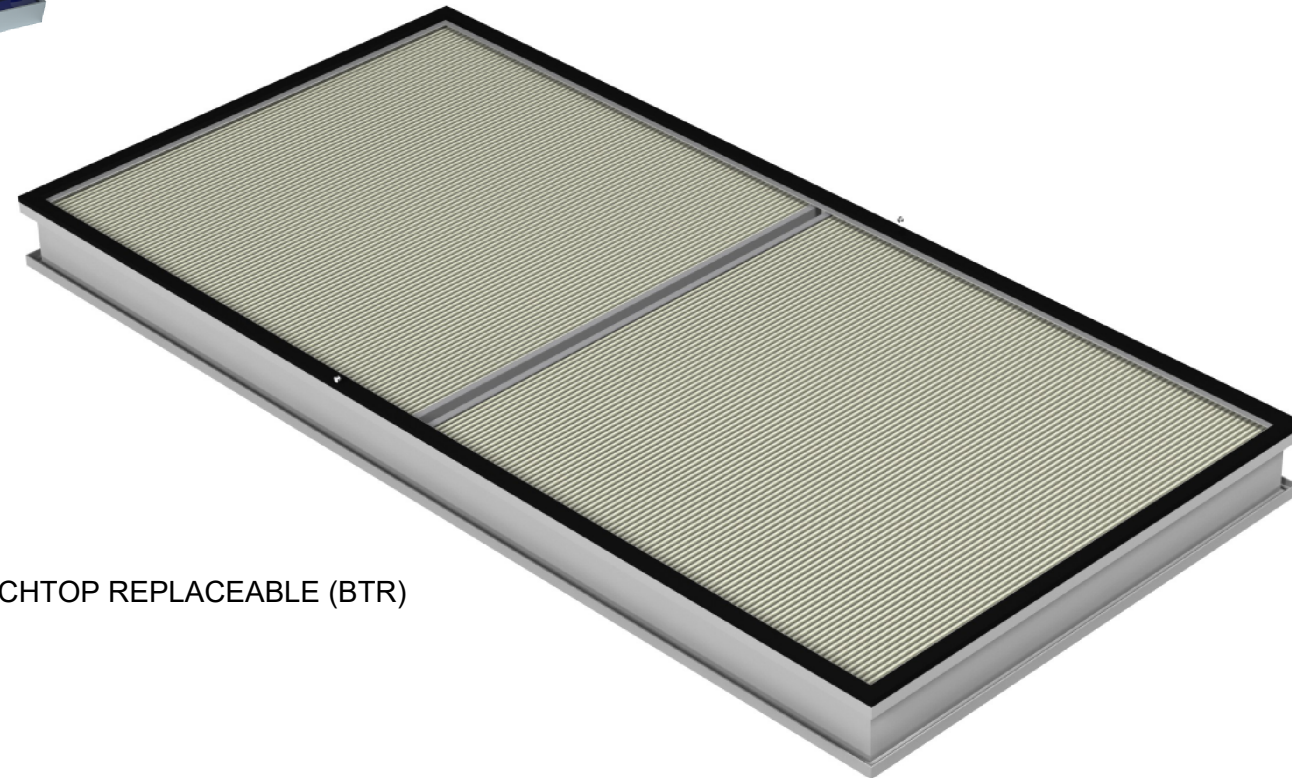
REPLACEMENT FILTERS

FEATURES

- HIGH EFFICIENCY REPLACEMENT FILTERS ARE SUITABLE FOR USE IN ALL CRITICAL ENVIRONMENTS FILTERED PRODUCTS
- AVAILABLE IN HEPA OR ULPA EFFICIENCIES
- FILTERS ARE USED WHERE ROOM CLEANLINESS AND PARTICULATE CONTROL ARE OF THE UTMOST IMPORTANCE INCLUDING CLEANROOMS, LABORATORIES AND PROTECTIVE ENVIRONMENT ISOLATION ROOMS.



ROOMSIDE REPLACEABLE (RSR)



BENCHTOP REPLACEABLE (BTR)



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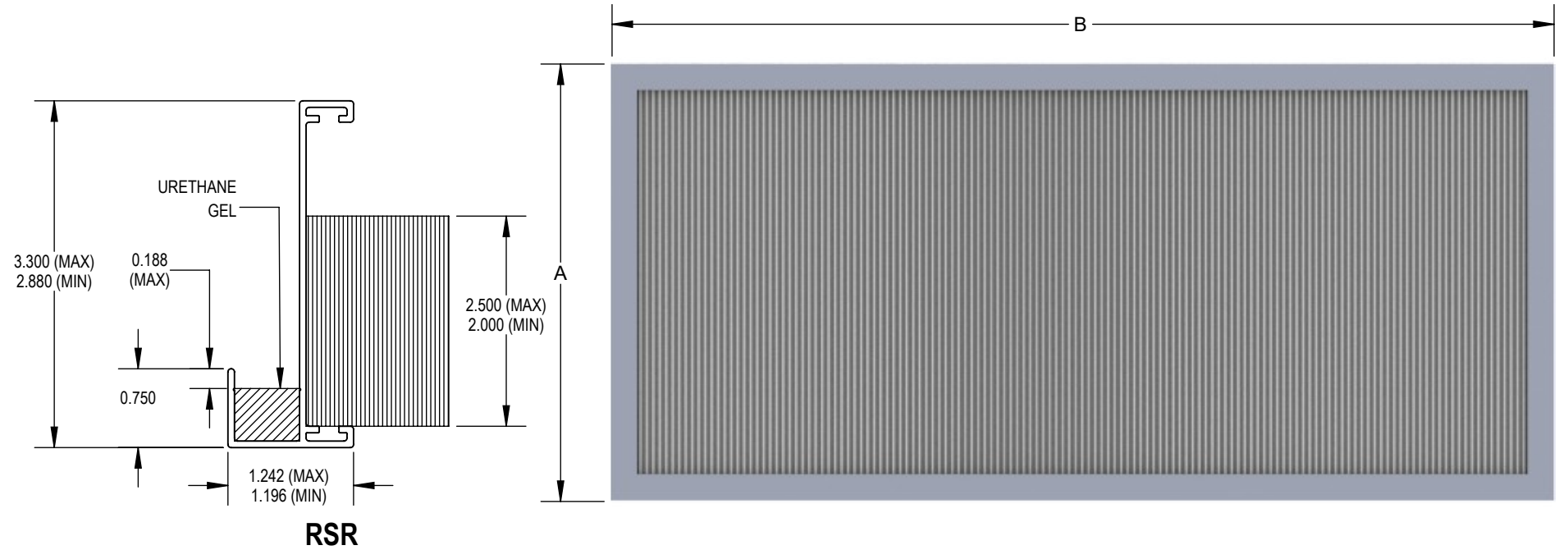
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REPLACEMENT FILTERS KROWN FAN FILTER SERIES, ASPIRE LAMINAR FLOW SERIES, ARC RADIAL FLOW SERIES CONSTRUCTION DETAILS

ROOMSIDE REPLACEABLE (RSR)					
MODULE SIZE	ACTUAL UNIT SIZE	FILTER TYPE	ACTUAL FILTER SIZE (A x B)	PART NUMBER	PACK DEPTH
24 x 24	23.625 x 23.625	HEPA	20.69 x 20.69	042299-005	2.500
				042299-020	
24 x 36	23.625 x 35.625		20.69 x 32.69	042299-021	
24 x 48	23.625 x 47.625		20.69 x 44.69	042299-022	
12 x 48	11.625 x 47.625		8.69 x 44.69	042299-028	
600 x 600 mm	23.247 x 23.247		20.31 x 20.31	042299-026	
600 x 1200 mm	23.247 x 46.869	20.31 x 43.93	042299-024		
24 x 24	23.625 x 23.625	ULPA	20.69 x 20.69	042299-008	2.500
				042299-017	
24 x 36	23.625 x 35.625		20.69 x 32.69	042299-018	
24 x 48	23.625 x 47.625		20.69 x 44.69	042299-019	
12 x 48	11.625 x 47.625		8.69 x 44.69	042299-027	
600 x 600 mm	23.247 x 23.247		20.31 x 20.31	042299-025	
600 x 1200 mm	23.247 x 46.869	20.31 x 43.93	042299-023		



KROWN RSR DIFFUSERS: 24 x 24 SIZED MODULES UTILIZE A 2.500" FILTER PACK
ASPIRE AND ARC DIFFUSERS: 24 x 24 SIZED MODULES UTILIZE A 2.000" FILTER PACK

BENCHTOP REPLACEABLE (BTR)				
MODULE SIZE	ACTUAL UNIT SIZE	FILTER TYPE	ACTUAL FILTER SIZE (A x B)	PART NUMBER
24 x 24	23.625 x 23.625	HEPA	23.63 x 23.63	042299-011
24 x 36	23.625 x 35.625		23.63 x 35.63	042299-012
24 x 48	23.625 x 47.625		23.63 x 47.63	042299-013
24 x 24	23.625 x 23.625	ULPA	23.63 x 23.63	042299-014
24 x 36	23.625 x 35.625		23.63 x 35.63	042299-015
24 x 48	23.625 x 47.625		23.63 x 47.63	042299-016



CONSTRUCTION

- FILTER PLEATS RUN PARALLEL TO THE WIDTH (A) DIMENSION
- DIMENSIONS A & B TOLERANCES +/- 1/16"
- RSR FILTERS COME WITH GEL SEAL FILLED CHANNEL
- PROTECTIVE SCREEN PAINTED WHITE ON THE DOWNSTREAM SIDE
- BTR FILTERS COME WITH GASKETED UPSTREAM FLANGE AND CENTER MULLION WITH STATIC PRESSURE PORTS
- FRAME DETAILS
 - MATERIAL ANODIZED EXTRUDED ALUMINUM
 - THICKNESS 1/16" (MINIMUM)

LISTING

- **UL900** STANDARD FOR SAFETY AIR FILTER UNITS

TESTING

- TYPE J - HEPA FILTERS EFFICIENCY AND LEAK TESTED IN ACCORDANCE WITH LATEST IEST-RP-CC001
- TYPE F - ULPA FILTERS EFFICIENCY AND LEAK TESTED IN ACCORDANCE WITH LATEST IEST-RP-CC001

NOTES

- FILTER PACKAGED SEPARATELY FROM DIFFUSER FOR JOB SITE INSTALLATION BY OTHERS
- DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED



PROJECT:

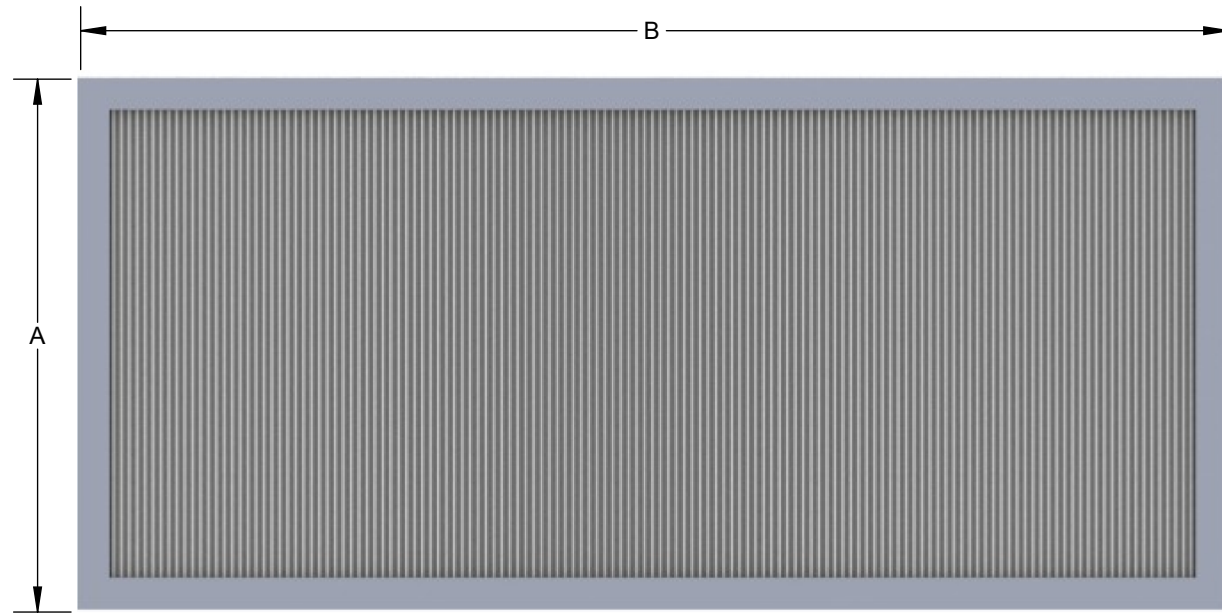
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REPLACEMENT FILTERS SUPERSUITE CONSTRUCTION DETAILS



ROOMSIDE REPLACEABLE (RSR)					
UNIT TYPE	MODULE SIZE	ACTUAL UNIT SIZE	FILTER TYPE	ACTUAL FILTER SIZE (A x B)	PART NUMBER
SSA-X-X, SSASA-X-X	24 x 24	24.250 x 24.250	HEPA	19.88 x 19.88	042299-029
	24 x 36	24.250 x 36.375		19.88 x 32.01	042299-030
	24 x 42	24.250 x 42.438		19.88 x 38.07	042299-031
	24 x 48	24.250 x 48.500		19.88 x 44.13	042299-032

CONSTRUCTION

- FILTER PLEATS RUN PARALLEL TO THE WIDTH (A) DIMENSION
- DIMENSIONS A & B TOLERANCES +/- 1/16"
- FILTERS COME WITH GEL SEAL FILLED CHANNEL
- PROTECTIVE SCREEN PAINTED WHITE ON THE DOWNSTREAM SIDE
- FRAME DETAILS
 - MATERIAL ANODIZED EXTRUDED ALUMINUM
 - THICKNESS 1/16" (MINIMUM)

LISTING

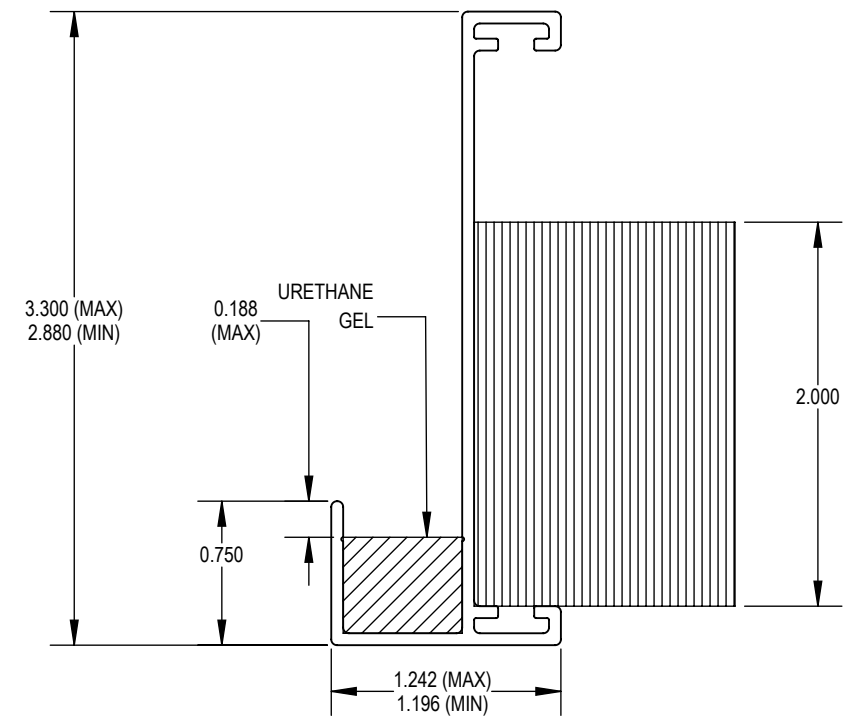
- UL900 STANDARD FOR SAFETY AIR FILTER UNITS

TESTING

- TYPE J - HEPA FILTERS EFFICIENCY AND LEAK TESTED IN ACCORDANCE WITH LATEST IEST-RP-CC001

NOTES

- FILTER PACKAGED SEPARATELY FROM DIFFUSER FOR JOB SITE INSTALLATION BY OTHERS
- DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED



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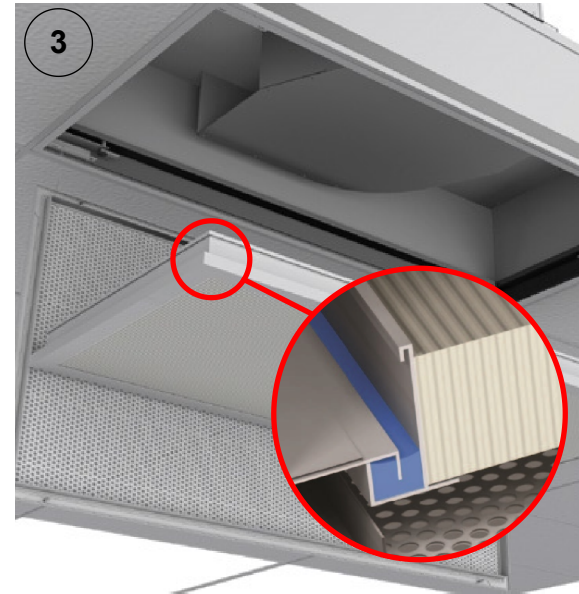
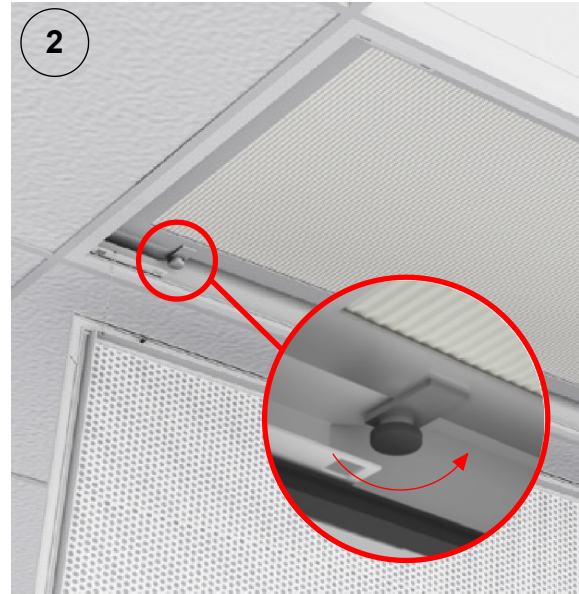
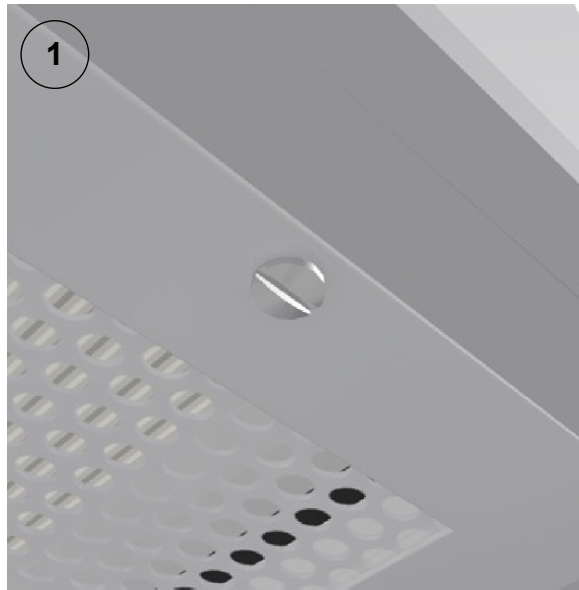
VANGUARD

REPLACEMENT FILTERS

ROOM-SIDE REPLACEABLE FILTERS

- GEL-TRACK FROM FILTER WORKS WITH DIFFUSER KNIFE-EDGE TO PROVIDE A LEAK-PROOF SEAL BETWEEN THE FILTER AND HOUSING WHILE ALLOWING FOR TOOL FREE INSTALLATION AND REPLACEMENT FROM THE ROOM-SIDE

- VISIT KEYSTONE CLEAN AIR SOLUTIONS WEBSITE FOR FILTER INSTALLATION GUIDE



ORDER OF OPERATIONS

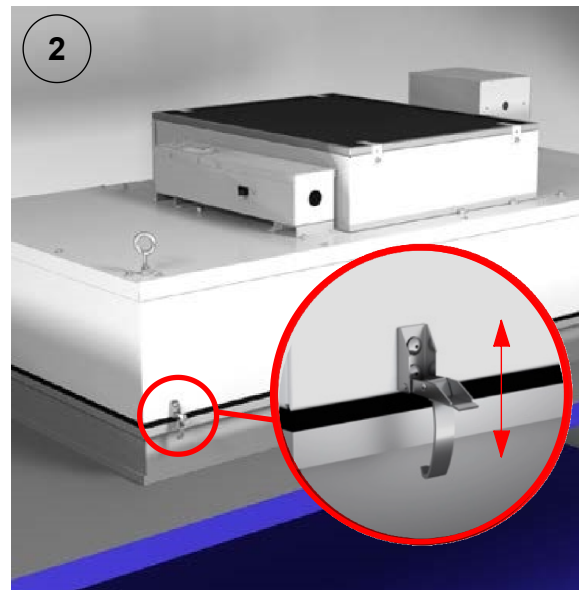
- 1) UNDO 1/4 TURN FASTENERS AND REMOVE DIFFUSER FACE
- 2) LOOSEN FILTER RETAINER TABS
- 3) REMOVE FILTER

BENCHTOP REPLACEABLE FILTERS

- FILTER REPLACEMENT REQUIRES REMOVAL OF THE UNIT FROM THE CEILING GRID

- ONLY AVAILABLE ON SUPPLY STYLE FAN FILTER UNITS (FFU)

- VISIT KEYSTONE CLEAN AIR SOLUTIONS WEBSITE FOR FILTER INSTALLATION GUIDE



ORDER OF OPERATIONS

- 1) REMOVE UNIT FROM CEILING
- 2) OPEN LATCHES
- 3) REMOVE FILTER



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