VANGUARD
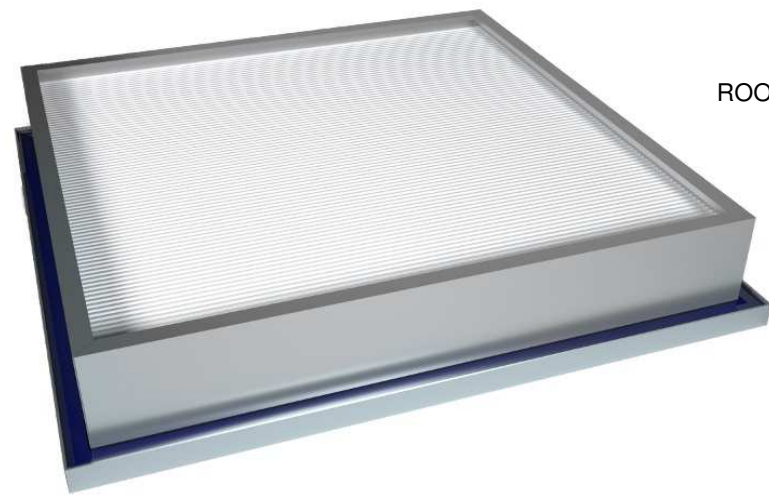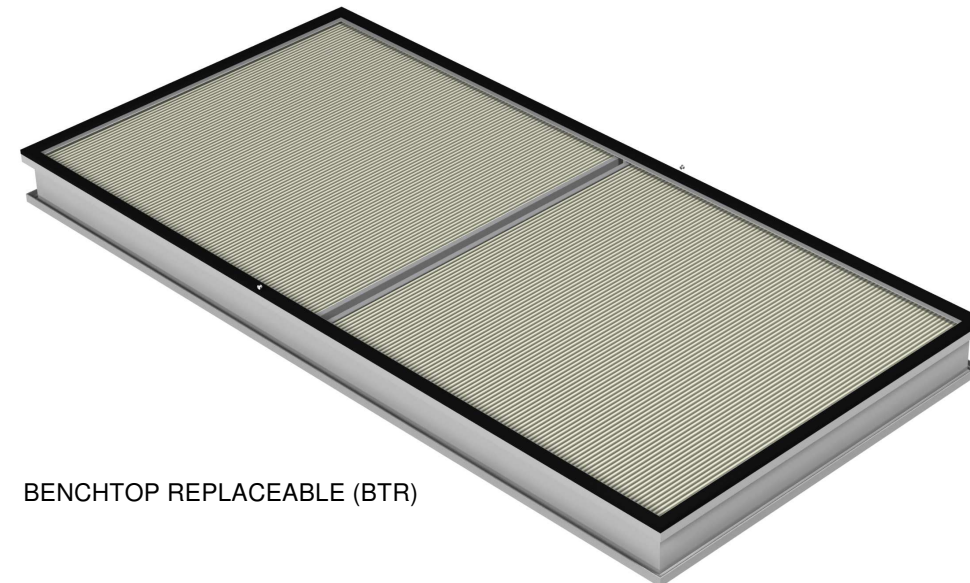## REPLACEMENT FILTERS

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 CONTAMINENT CONTROL ARE
  OF THE UTMOST IMPORTANCE INCLUDING CLEANROOMS, LABORATORIES AND
  PROTECTIVE ENVIRONMENT ISOLATION ROOMS.

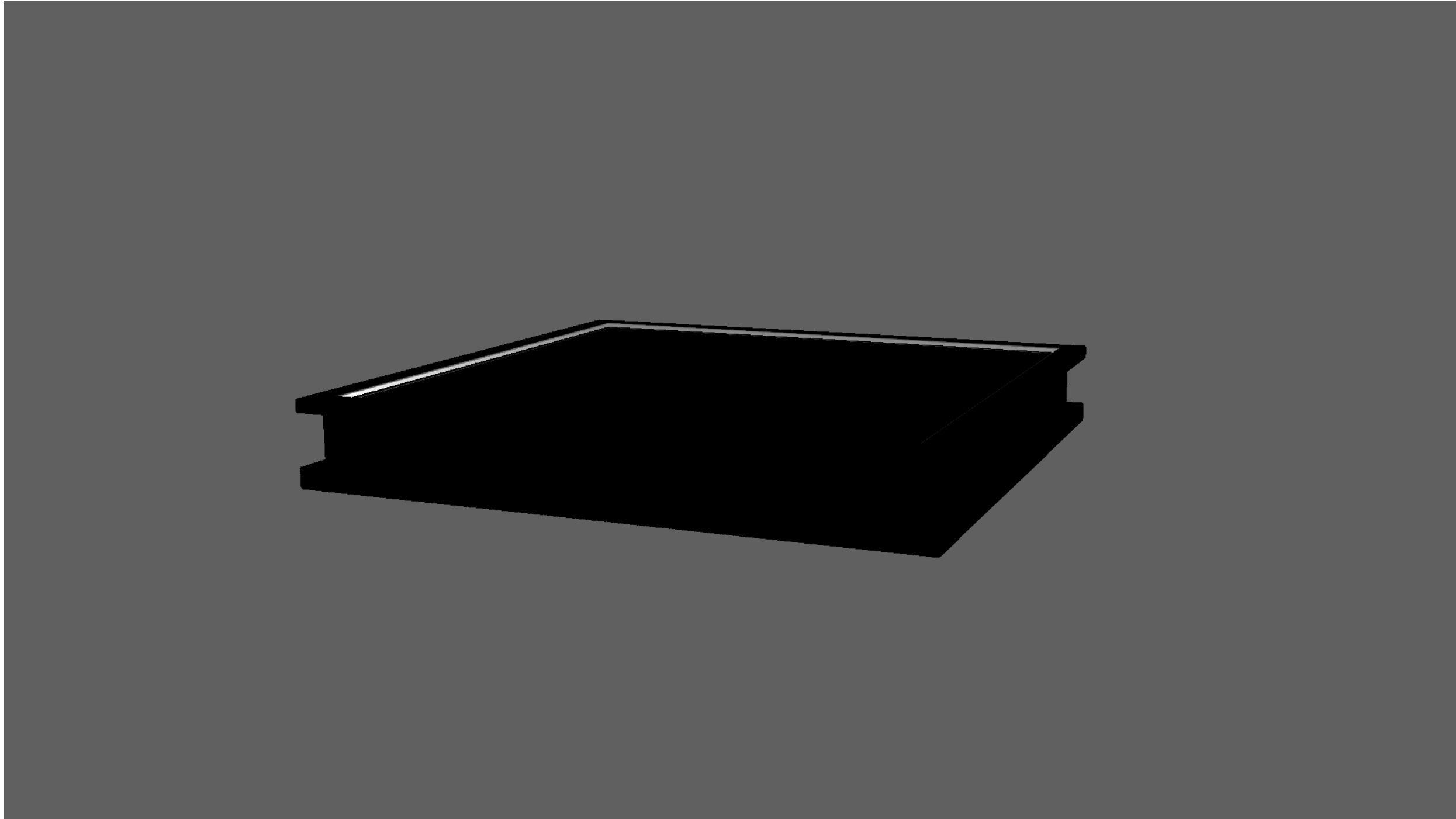ROOM-SIDE REPLACEABLE (RSR)

BENCHTOP REPLACEABLE (BTR)

KEYSTONE
Clean Air Solutions

PROJECT:		
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PRODUCT CONFIGURATIONS
(CLICK BUTTONS TO TOGGLE VIEWS)

- USE THE SCROLL WHEEL TO ZOOM
- HOLD DOWN THE LEFT MOUSE TO ROTATE
- HOLD DOWN CTRL AND LEFT MOUSE TO MOVE

KEYSTONE
Clean Air Solutions

PROJECT:

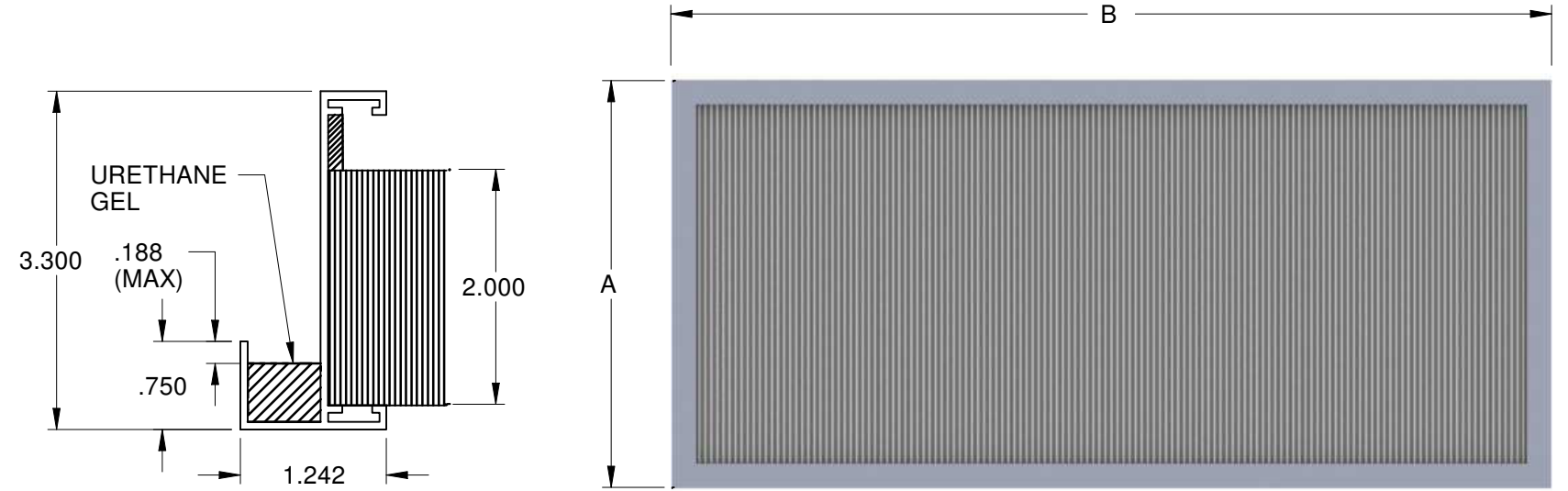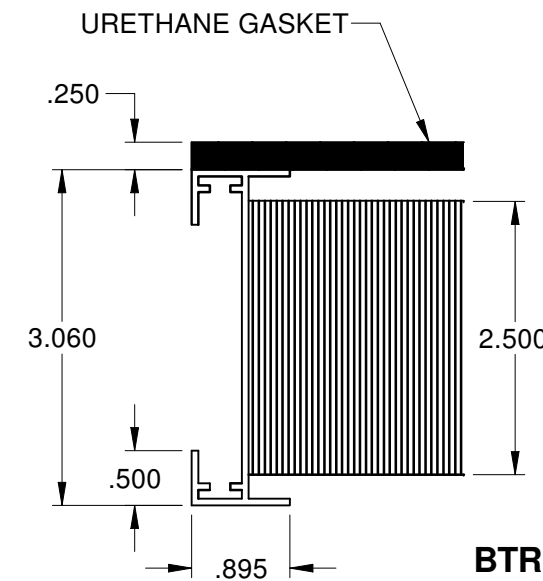| 274238	Revision: A	10-20-2023

VANGUARD

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

ROOM-SIDE REPLACEABLE (RSR)				
MODULE SIZE	ACTUAL UNIT SIZE	FILTER TYPE	ACTUAL FILTER SIZE (A x B)	FILTER PART NUMBER
24 x 24	23.625" x 23.625"	HEPA	20.69" x 20.69"	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"	042299-017
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

BENCH TOP REPLACEABLE (BTR)				
MODULE SIZE	ACTUAL UNIT SIZE	FILTER TYPE	ACTUAL FILTER SIZE (A x B)	FILTER 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

RSR

URETHANE GEL
3.300 .188 (MAX) 2.000 .750 1.242
B A

BTR

URETHANE GASKET
.250 3.060 2.500 .500 .895
B A

CONSTRUCTION:
- FILTER PLEATS RUN PARALLEL TO THE WIDTH (A) DIMENSION
- DIMENSIONS A & B TOLERANCES +/- 1/16"
- RSR FILTERS COME WITH GEL SEAL FILLED CHANNEL
- BTR FILTERS COME WITH GASKETED UPSTREAM FLANGE AND CENTER MULLION WITH STATIC PRESSURE PORTS
- 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
- TYPE F - ULPA FILTERS EFFICIENCY AND LEAK TESTED IN ACCORDANCE WITH LATEST IES-RP-CC001

NOTES:
- FILTER PACKAGED SEPERATELY FROM DIFFUSER FOR JOB SITE INSTALLATION BY OTHERS

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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

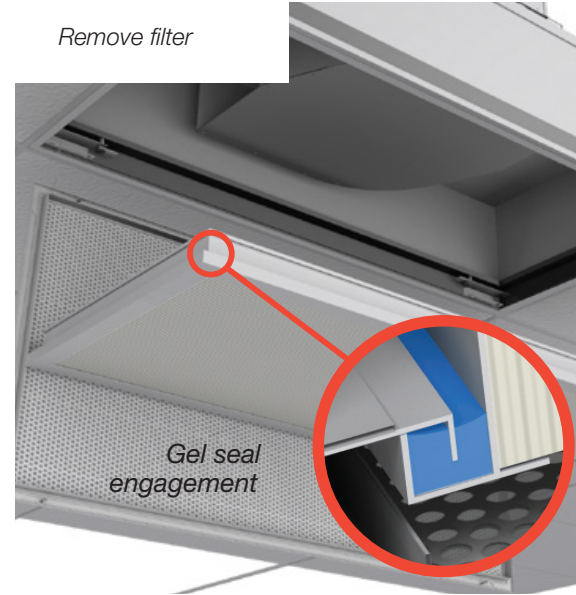- VISIT KEYSTONE CLEAN AIR SOLUTIONS WEBSITE FOR FILTER INSTALLATION GUIDE

Undo 1/4 turn fasteners and remove diffuser face
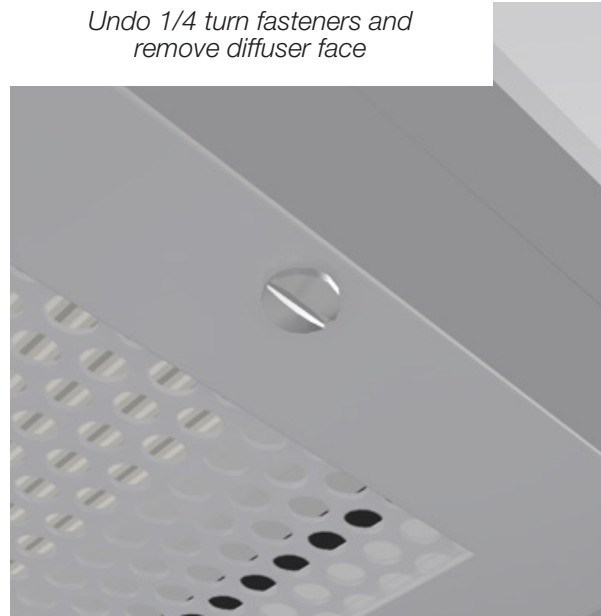
Undo filter retainer tabs
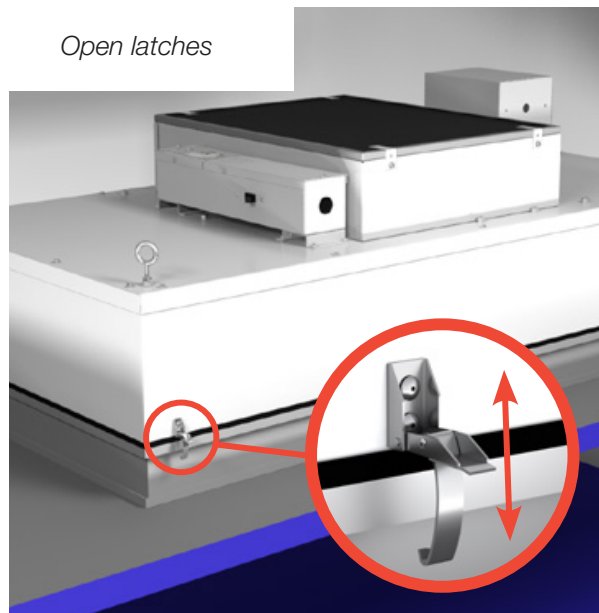

Remove filter

Gel seal engagement
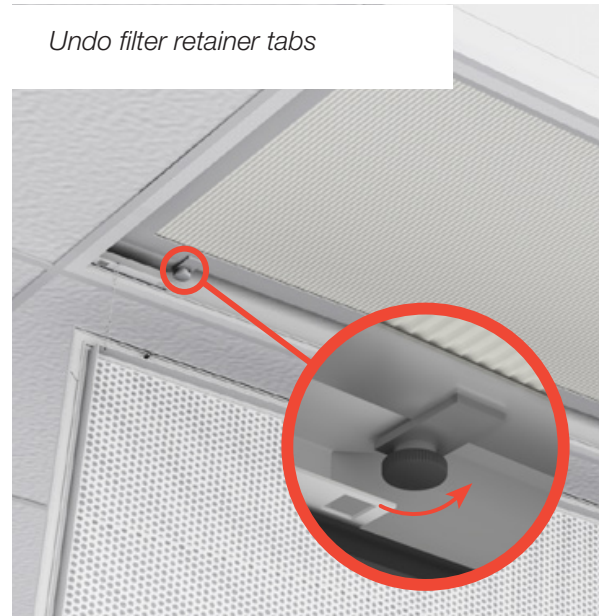
BENCHTOP REPLACEABLE FILTERS:

- 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

Remove from ceiling

Open latches

Remove filter

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