



Brownsville Independent School District
Health Services · September 2026

Restoring Campus Air Purifiers

A coordinated campus plan to improve indoor air quality and support respiratory wellness during flu season

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Jade air purifiers

DISTRICT SCOPE

One district. 50 schools. One coordinated plan.



50

Schools district-wide

31

Elementary
schools

10

Middle schools

9

High schools



Every campus, every month: confirm purifier locations, operating status, and maintenance needs, and repeat as needed throughout the school year.

PURIFIER INVENTORY

726 purifiers across BISD

726

Total purifiers across
campuses and administrative
buildings

- All require filter changes
- Jade filters are in stock,
ordered through the
Maintenance Department.



595

Jade air purifiers
Replacement filter: \$199 each
\$118,405 total to replace all



131

Cascade air purifiers
Washable main filter

REPLACEMENT PARTS

Parts needed for 131 Cascade units



131

Cascade air purifiers
Washable main filter

PART	QUANTITY TO PURCHASE	LIST PRICE	ESTIMATED COST
Activated carbon/VOC filters (gas/odor)	66 packs of 2 (132 filters)	\$220 per pack	\$14,520
UV bulbs	264 bulbs (2 per unit)	\$109 each	\$28,776
Total			\$43,296

AREA COVERAGE

Air purifier area coverage

JADE PURIFIERS

- Classrooms
- Offices
- Front office
- Nurse's office
- Teachers' lounge

CASCADE PURIFIERS

- Gym
- Cafeteria
- Library



595

Each Jade air purifier
covers up to 1,500 sq. ft.



131

Each Cascade air purifier
covers up to 2,000–3,000 sq. ft.

FILTER REPLACEMENT

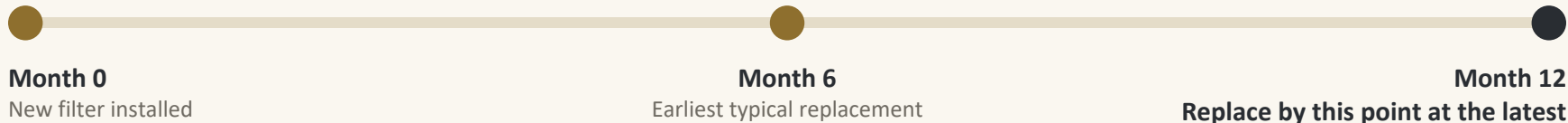
Replace filters every 6–12 months

6–12

Months of filter life under
normal conditions

How often should I replace this filter?

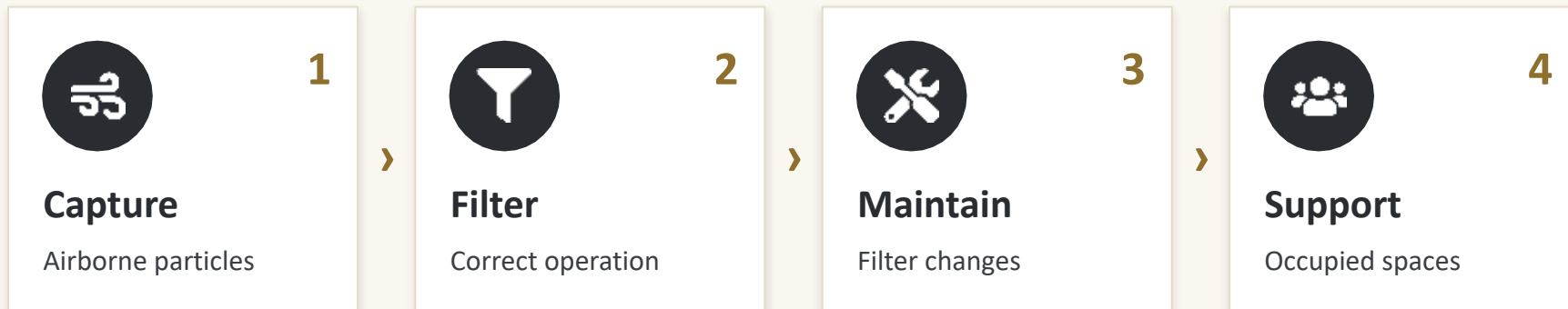
Replacement intervals depend on usage and air quality. Most Surgically Clean Air filters last 6–12 months under normal conditions. Your unit's indicator light will alert you when it's time for a replacement.



HOW IT HELPS

Cleaner air is a shared layer of respiratory protection

Portable air cleaners support indoor air quality when they are correctly placed, operated, and maintained.



Flu-season readiness

Returning available units to service adds an air-cleaning measure alongside building ventilation and other respiratory illness prevention practices.

Verify before restart: a three-step campus check

Administrators and custodial teams complete the same review on every campus.



01

Locate & test

Find every Jade and Cascade unit and confirm it powers on and operates.



02

Verify maintenance

Record the model, filter type, and last known filter change or service date.



03

Flag needs

Report missing filters, damaged units, or equipment needing repair before use.



Next step: Campus administrators meet with their head custodian to set a maintenance and follow-up schedule.

A campus schedule built on manufacturer instructions

Administrators and custodial staff agree on a schedule based on each model's manufacturer instructions.

The maintenance cycle



Inspect



Replace as needed



Document



Recheck

Track five items for every unit

1

Unit location

2

Current condition

3

Filter change date

4

Next scheduled check

5

Person responsible

*Replacement filters and repairs are coordinated through the district's usual facilities process.
We currently have filters in stock.*

Readiness for flu season starts with proper maintenance

Three groups, one objective: return serviceable units to operation and keep them maintained.



1

Campus administrators

Coordinate the inventory review and set the maintenance schedule with custodial staff.



2

Custodial staff

Inspect units, service or replace filters per model instructions, and report units that cannot operate.



3

Custodial and Maintenance teams

Review campus findings and follow up on filter supply, repair, or replacement needs.

LOCATE • INSPECT • SERVICE • DOCUMENT • MAINTAIN



Brownsville Independent School District • Health Services

Thank You

Questions & Answers

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