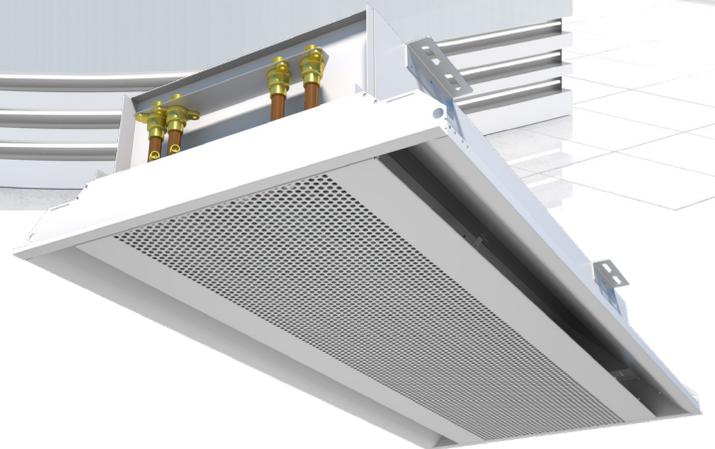


ACBL-AN

LINEAR ACTIVE CHILLED BEAM - ADJUSTABLE NOZZLE



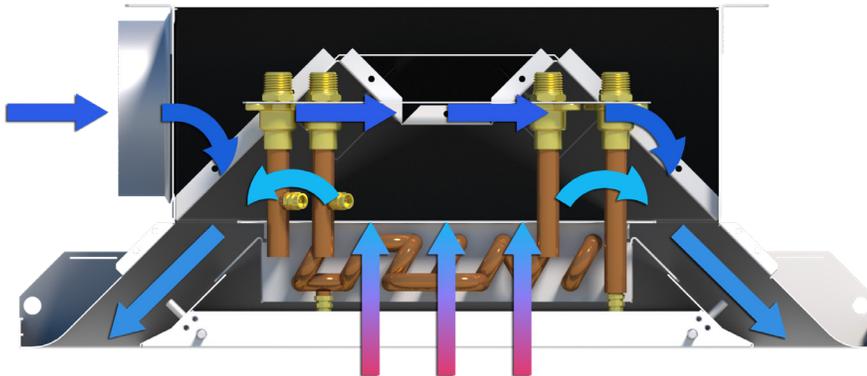
ACBL-AN

Linear Active Chilled Beam - Adjustable Nozzle

The Linear Active Chilled Beam with Adjustable Nozzle (ACBL-AN) is Price Industries' most versatile beam. The ACBL-AN provides cooling and heating output by conditioning the room air induced through the beam's hydronic coil, while simultaneously supplying fresh, conditioned air. The adjustable nozzle provides the added benefit of airflow and capacity adjustment driven by changes in the occupied zone.



610mm width



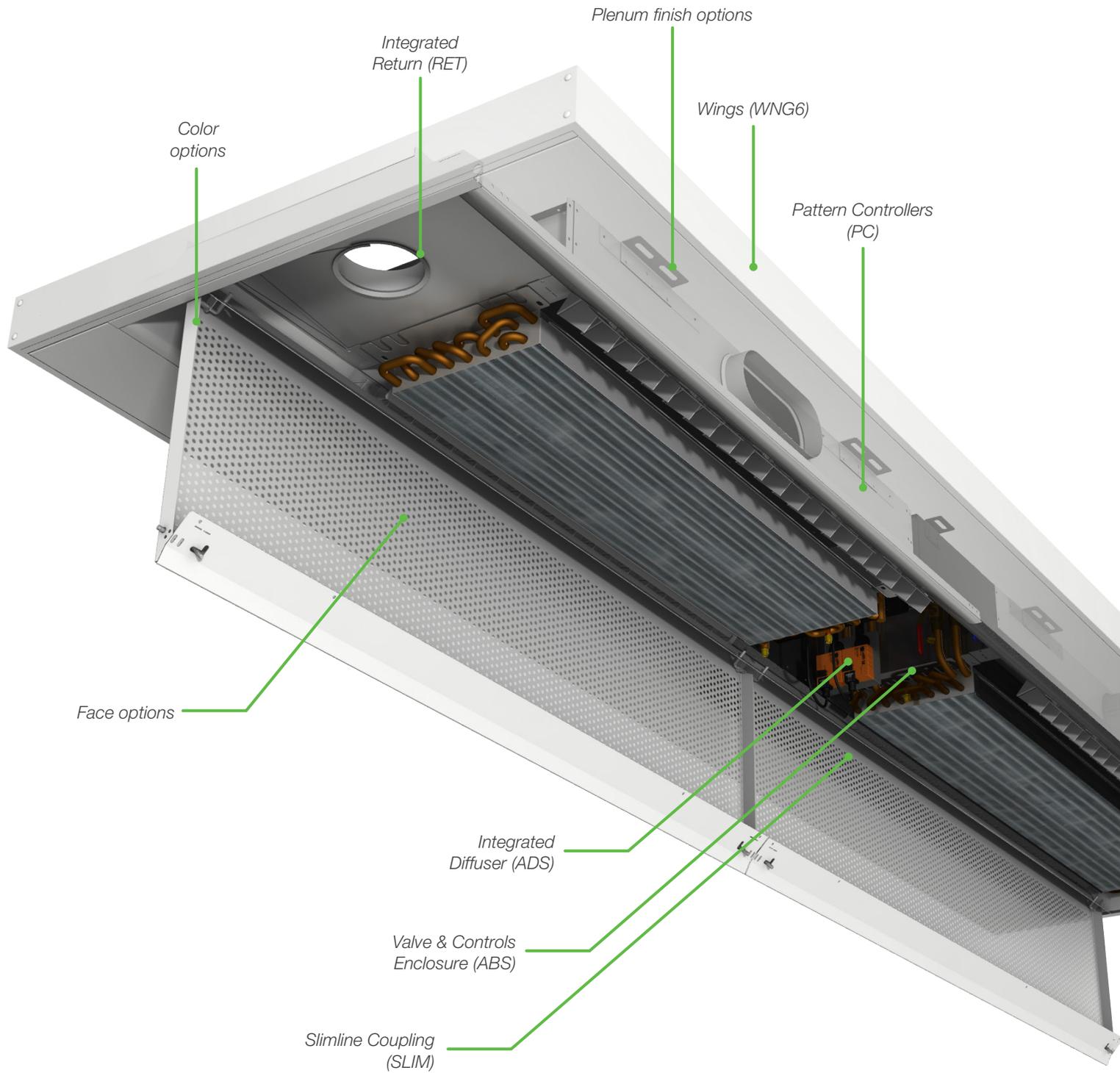
2-Way airflow

ACBL-AN

Linear Active Chilled Beam - Adjustable Nozzle

ACBL-AN OPTIONS

Linestrings shown in brackets.

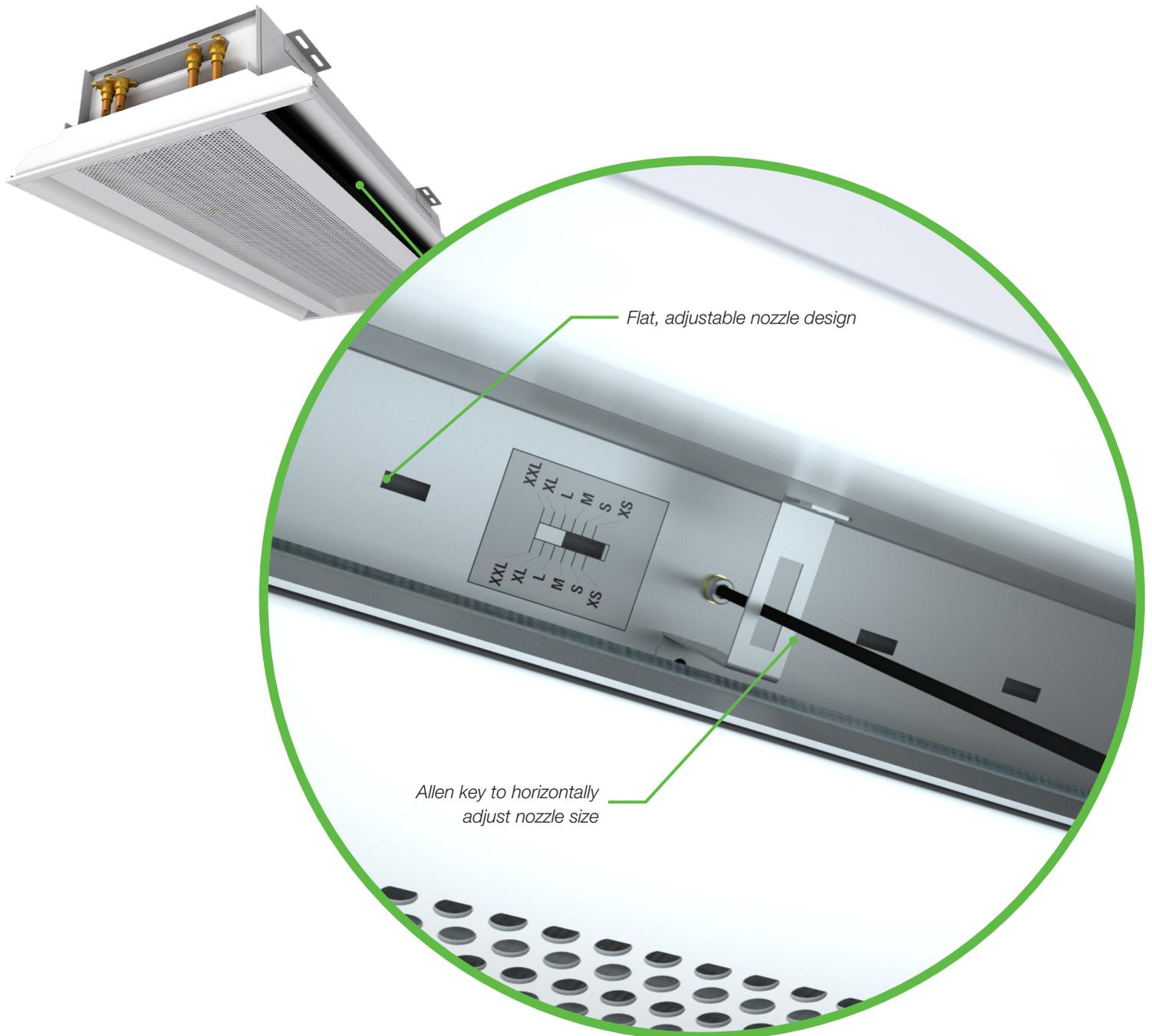


ACBL-AN

Linear Active Chilled Beam - Adjustable Nozzle

ADJUSTABLE NOZZLE

The key feature of the ACBL-AN is its adjustable nozzle. Typical chilled beams use a preconfigured, tapered nozzle that allows adjustments in airflow and capacity within a working range of the selected nozzle size. The ACBL-AN features a flat nozzle piece that adjusts horizontally in size using a supplied allen key. Each side of the ACBL-AN allows for adjustment. With this flexibility, the end user can adjust and balance the chilled beam to a much larger range of airflow and capacity. This allows the end user to make quick and easy changes when room and building conditions change such as set point conditions, occupant quantity, wall placement, and/or furniture layouts. This also minimizes changes to HVAC system such as need for additional chilled beams or other equipment.



ADDITIONAL OPTION DETAILS

Integrated Return (RET24)

The integrated return allows for a ducted or plenum style return, and places it in the most optimal location. This also provides a continuous linear aesthetic.

Universal Inlet

In addition to the standard inlet options, the ACBL-AN allows for on-site selection of inlet for additional flexibility during installations.

Integrated Diffuser (ADS24)

The integrated diffuser includes a separate air inlet that can be combined with a manual or VAV damper. When more airflow is required, an integrated diffuser can be used to adjust the airflow to the zone.

Valve & Controls Enclosure (ADS24)

The enclosure section allows for room side access to the plumbing, valves, and electronic controls to simplify maintenance.

Plenum Finish Options

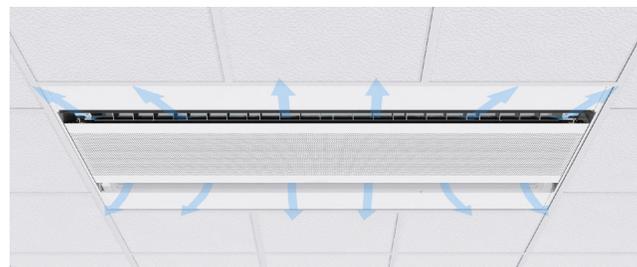
The plenum is not visible from the room side, but finishes may still be selected. Plenum comes in a standard galvanized finish (GLV), or can be painted to match (MATCH) the exterior of the beam typical of open ceiling applications where the plenum can be seen.

Wings (WNG6)

When beams are installed in an open ceiling, wings ensure a horizontal air pattern and hide services such as plumbing, power, and ductwork.

Pattern Controllers (PC)

Pattern controllers govern the direction of the discharge air and can be used to shorten throw by up to 50% and help reduce any drafts felt by the occupants. This option is only available on the 24 in. model.



Slimline Coupling (SLIM)

The slimline coupling option allows multiple beams to be connected in series so that they appear as a single, continuous unit.



Face Options

Perforated Face - Greater than 50% free area facilitates the induction process.

Grille Face - Provides linear aesthetics for alternate styling options.

T-bar ceiling grid - Standard or Tegular compatibility.

ACBL-AN

Linear Active Chilled Beam - Adjustable Nozzle

WATER COIL OPTIONS

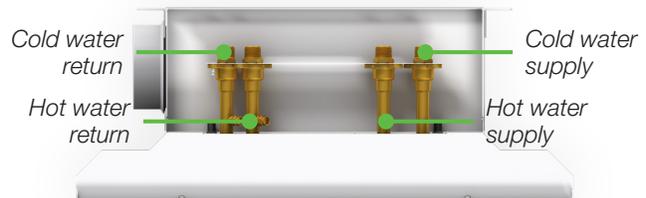
The ACBL is available with two water coil configurations.

2-Pipe Configuration – Can be used in heating or cooling applications.

4-Pipe Configuration – Includes dedicated circuits for heating and cooling.



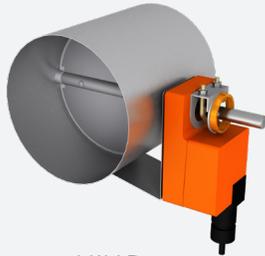
2-Pipe ACBL 610mm



4-Pipe ACBL 610mm



Manual Quadrant Damper



VAV Damper



Volume Flow Regulator

DAMPER OPTIONS

Three damper options allow for fine tuning of static pressure.

Volume Flow Regulator (VFR) – System powered pressure independent airflow regulator.

Manual Quadrant (MQ) Damper
– For onsite fine tuning.

VAV Damper – Can be electronically actuated for VAV applications.



APPLICATIONS

Office Buildings

- + Typically installed in open office areas, private offices, conference rooms, hallways, and storage rooms.
- + Can be utilized in both interior and perimeter zones.
- + The slimline configuration allows for a row of beams to be installed adjacently without interruption in open office areas.

Healthcare

- + Typically installed in patient rooms and administrative areas.
- + Small footprint of the beams and ductwork can lead to additional usable space.

Laboratories

- + Beams are typically applied in load driven labs.
- + The air diffuser (ADS) option can be utilized in lab spaces to provide demand control ventilation as well as makeup air during occupied hours.
- + The pattern controller (PC) option can be used to spread the air in small footprint layouts.

K12 Schools

- + Multiple space uses available including libraries, classrooms, offices, and labs.

Post Secondary

- + Multiple space uses available including libraries, classrooms, offices, lecture hall, and labs.
- + Excellent waterside efficiency opportunity by utilizing the district loop from the central plant to supply the water to the beams.

Tenant Improvement

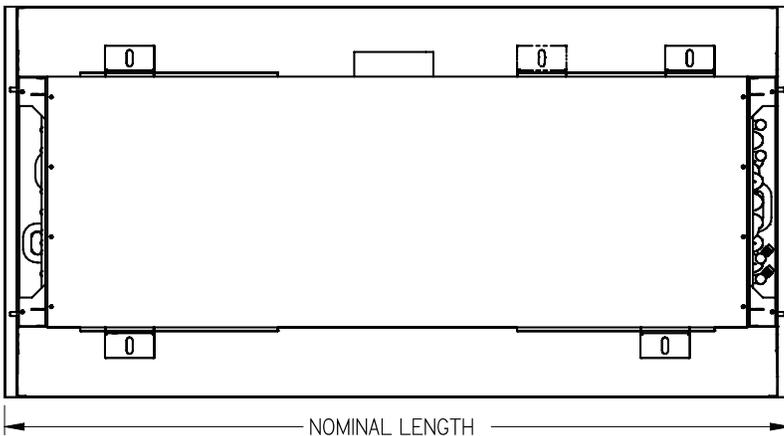
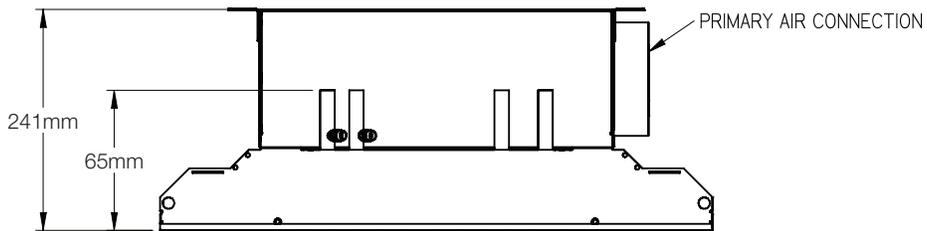
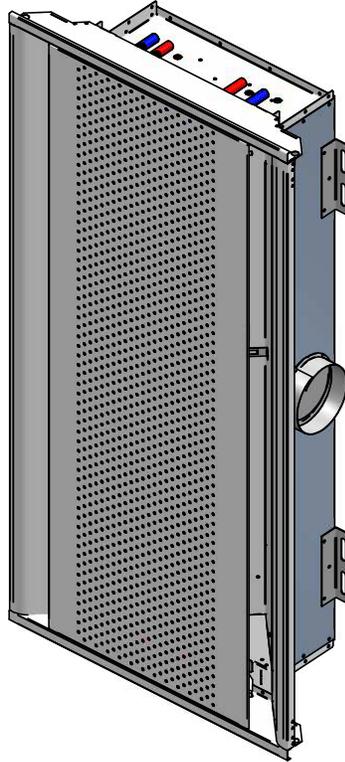
- + Changes to interior infrastructures come with changes in loads and occupants.
- + ACBL-AN allows for changes in airflows and performance to suit these changes.

ACBL-AN

Linear Active Chilled Beam - Adjustable Nozzle

DIMENSIONAL DATA

610mm Linear Active Chilled Beam



Nominal Length (mm)	Actual Length (L)
610	603
1220	1213
1830	1823
2440	2433
3050	3043

Note: All metric conversions are hard converted.



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