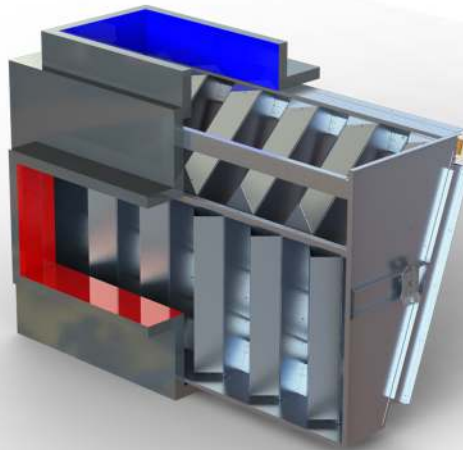




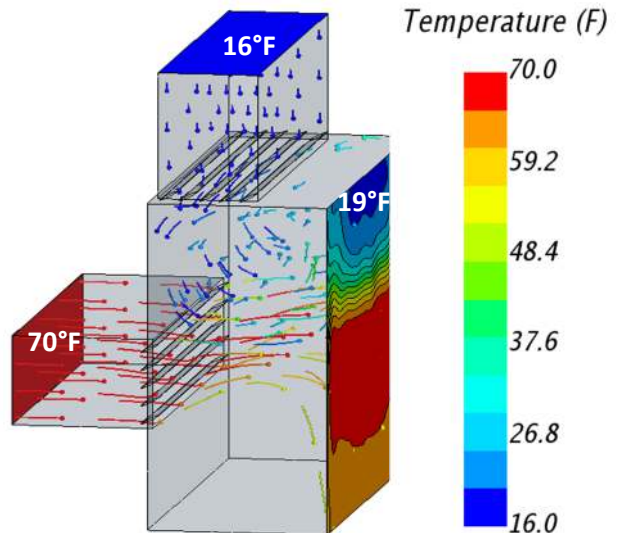
Blender Products Inc., the industry leader in mixing solutions, **has launched a new Channel Blender** designed to increase mixing performance and reduce the footprint for AHUs.

CB v2.0 Benefits & Features

- ◆ 6”-wide low-leakage dampers
- ◆ Reduce AHU footprint
- ◆ Eliminate freeze-stat trips and frozen coils
- ◆ Improve indoor air quality
- ◆ Enhance airflow uniformity to other AHU sections

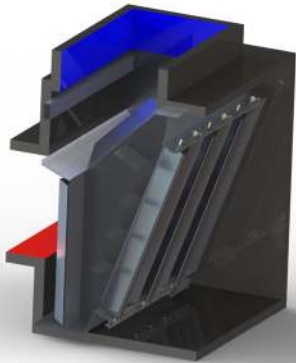


- ◆ No configuration of OA and RA dampers in traditional mixing boxes can provide effective mixing or properly address air stratification.
- ◆ Complete mixing of OA and RA is essential to proper coil operation
- ◆ Channel Blender uses same control scheme as a regular mixing box.



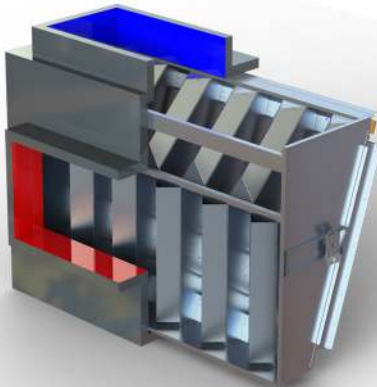
Channel Blender - How it works

1.



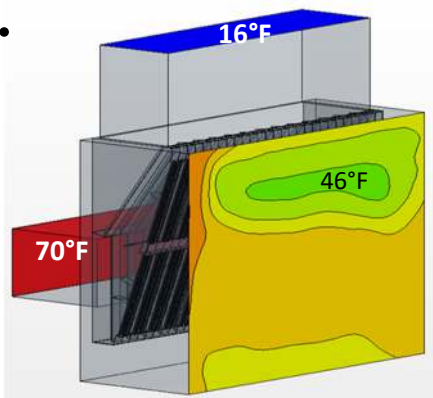
OA & RA enters the mixing box through designated openings. Each airstream flows into the corresponding compartment in the Channel Blender.

2.

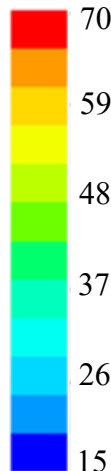


OA & RA flow into adjacent channels, so there are alternating slices of OA & RA flowing towards the dampers. Channel walls are insulated to prevent condensation and sealed to prevent OA leakage into the AHU.

3.



Temperature (F)



The dampers are used to promote mixing zones immediately downstream of the mixer. This provides a smaller temperature gradient and reduces stratification approximately 8" - 12" and downstream of the mixer.

- ◆ Typical pressure drop across the Channel Blender (which includes integrated damper assembly):

- ◆ 100% OA: 0.3" - 0.6" wc
- ◆ 75% RA & 25% OA: 0.3" - 0.5" wc

