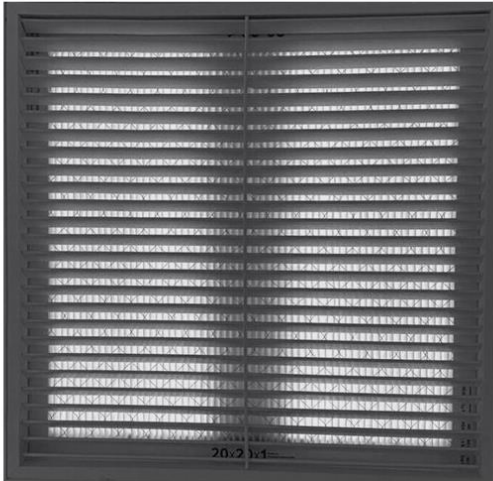




# Hampton Aire



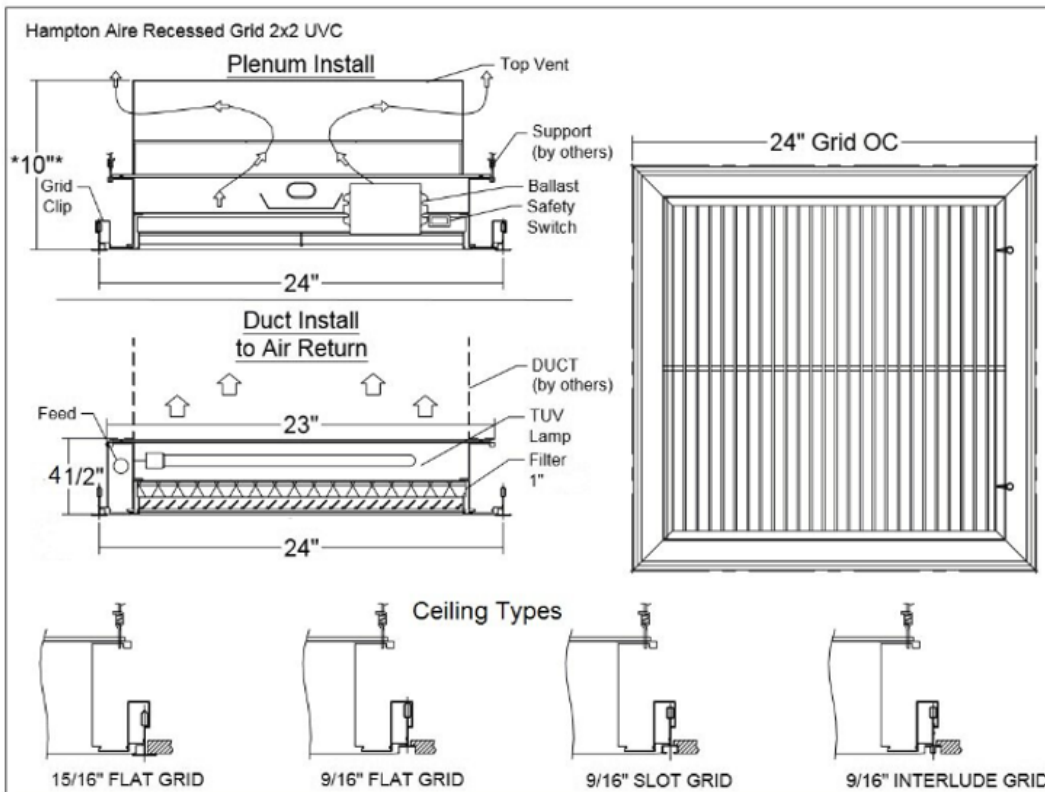
## Blu Breeze

Plenum Install Part Number

HABB-36W-2x2-M13-W PI

Duct Install Part Number

HABB-36W-2x2-M13-W DI





**Project Name**

**Date**

**HVAC Unit Type Duct or Plenum**

**Engineer Group and Comments**

- **Blu Breeze cleans the air as it exits the room and before entering the HVAC's fan heating and cooling components central system.**
- Blu Breeze easily retrofits into any existing 2 x 2 foot keeping disruptions and installation costs to a minimum.
- Custom grills available, please contact the factory.
- Replace installed MERV-13 filter every 3 months.
- Replace installed UV-C Light after every 10,000 hours of operation.
- Nominal Airflow: 400 to 1000 cubic ft/min
- Dimensions: Duct 24"L x 24"W x 4 1/2"H (Non-Insulated)
- Dimensions: Plenum 24"L x 24"W x 10"H(Non-Insulated)
- MERV-13 Pleated Filter 20" x 20" x 1"
- 36-Watt UVC light (ozone free)
- Standard 110 - 277 volt operation
- Made in the USA with UL recognized components
- "Buy America" qualified.
- Patent Pending North America
- UL1995, CSA C22.2 No. 236-15.
- Approved for HEATING AND COOLING EQUIPMENT



UV-C lamp wattage to deactivate Influneza					
Lamp distance from bad droplets in Inches	Inches to CM	UV-C Watts	UV-C Energy	Log 1 (90%) Time in Sec. to deactivate bad droplets 90%=3400UV-C Energy	Log 2 (99%) Time in Sec. to deactivate bad droplets 99%=6600 UV-C Energy
1	2.54	36	444028.0007	0.008	0.015
2	5.08	36	111007.002	0.031	0.059
4	10.16	36	27751.75	0.123	0.238
8	20.32	36	6937.938	0.49	0.951
12	30.48	36	3083.528	1.103	2.14
16	40.64	36	1734.484	1.96	3.805
20	50.8	36	1110.07	3.063	5.946

### What do we need to do to effectively reduce contamination in the air?

- Maximize air changes within the space.
- Minimize airflow through the return grille system.
- Minimize air recirculation to minimize zones cross-contamination through the return air system.
- Ensure airflow patterns in rooms are adjusted to minimize occupant exposure to contaminants.
- Model the airflow (computational fluid dynamics) from walls toward the center of the room and minimize areas of no flow.
- Place or designate low flow areas in low occupancy areas.
- Install a Hampton Aire Blu Breeze return grille system.