



## IceCOLD® & NPBI WORK TOGETHER TO DISINFECT YOUR FACILITY & IMPROVE HVAC EFFICIENCY

### NPBI & IceCOLD®

NPBI & IceCOLD® Needlepoint Bipolar Ionization is a whole facility disinfection solution installed in your HVAC system. NPBI inactivates viruses like COVID-19 both in the air and on surfaces. This disinfection system can be deployed alongside IceCOLD®, which eliminates oil fouling, increases system efficiency, and prolongs the life of your HVAC unit.

### What is Oil Fouling?

Oil Fouling of the heat transfer surfaces of HVAC systems will cause a loss of efficiency that will continue to accumulate. Oil Fouling creates a “permanent” insulating barrier of compressor oil inside the inner walls of refrigeration tubing. This insulating barrier can degrade system performance by more than 30%, causing the system to run longer, increasing energy costs.

**FSG'S THREE STEP APPROACH IS DESIGNED TO HELP FACILITY OPERATORS KEEP THEIR FACILITIES SAFE & CLEAN USING NPBI, WHILE REAPING THE MONEY AND ENERGY SAVING BENEFITS THAT ICECOLD® OFFERS.**

### Identify



FSG can identify the sites that will benefit from deploying IceCOLD® alongside NPBI. This can be done through a careful analysis of the controls and energy consumption data or with a simple “age check.”

### Install



FSG will then go to work on an installation game plan to deploy NPBI and IceCOLD®. The installation process is simple and straightforward. Utilizing both FSG electricians and our affiliated network of providers, FSG is able to deploy NPBI & IceCOLD® nationwide

### Save



With NPBI & IceCOLD® deployed, your facility will be disinfected continuously with zero maintenance required. Additionally, your HVAC system will run more efficiently - saving you time, energy, and money.



[www.fsg.com](http://www.fsg.com) | (888) 449-3804



# THE ADVANTAGES

## NPBI

- ✓ NPBI technology makes particles clump together so that even lower-efficiency filters can capture them from the air.
- ✓ Independent testing confirms kill rates as high as 99.9% of various pathogens and mold spores
- ✓ Odors, volatile organic compounds, and other particulates are oxidized to gases already prevalent in the air we breathe
- ✓ By cleaning indoor air and recirculating it, less outside air is required, which means less load on the HVAC system
- ✓ Effective at inactivating COVID-19 and other viruses
- ✓ Safe to use with people occupying the space
- ✓ Units are self-cleaning and run continuously



- ✓ IceCOLD® is non-toxic and is not harmful to metals or rubber materials, according to Intertek Lab test results
- ✓ IceCOLD® has been third party tested by Intertek to show complete compatibility with all compressor oils and refrigerants
- ✓ IceCOLD® Technology will issue a one year warranty on any compressor installed with IceCOLD® by a certified technician
- ✓ The installation of IceCOLD® will NOT void manufacturer's warranties
- ✓ Lower electricity costs & exceptional return on investment (ROI)
- ✓ Extended equipment life
- ✓ Reduced HVAC equipment maintenance

