

# ICE Pump FAQs

## Frequently Asked Questions



### What is the Difference Between the Bullard ICE Pump and Free-Air® Pumps?

The Bullard ICE Pump and Free-Air pumps are all oil-less ambient air pumps – which means that they do not require CO monitors, temperature alarms, or airline filters, if they are drawing Grade D breathing air.

What the ICE Pump offers is a portable ambient air pump (comes standard with a wheel kit and roll cage and only weighs 100 lbs.) that is capable of providing cool breathing air with the use of Bullard's Frigitron2000 personal cooling device.

### What Do I Get with My ICE Pump?

The Bullard ICE Pump comes completely assembled and ready to work with:

- 2.0 hp, single phase, 60 Hz, 115 V electric-driven, oil-less pump, delivering 8 cfm @ 60 psig (225 lpm @ 400 kPa)
- 6 ft. 110 V cord with NEMA 5-20 three-pronged plug
- Liquid-filled pressure gauge (0-100 psig)
- 4 Medium Efficiency Inlet Filters (25 micron)
- Inline Outlet Filter (90 micron)
- Roll Cage
- Wheel Kit
- 1/2" Industrial Interchange (Hansen compatible) quick-disconnect coupler
- Custom pallet and plastic cover (in case you need to ship in the future)

### What Cooling Devices Work with the ICE Pump?

NIOSH issues certificates of approval for specific and complete respirator assemblies after the respirator has been evaluated and found to comply with all the requirements of the NIOSH regulations at Title 42, Code of Federal Regulations (CFR) Part 84 (42 CFR Part 84).

NIOSH begins at the Point of Attachment but does not include the Point of Attachment.

If a NIOSH-approved respirator assembly is approved for use with 1/2" ID breathing air supply hose and a cooling device, the ICE Pump provides 8 cfm of air at 60 psig (225 lpm @ 400 kPa). Check your respirator assembly's pressure table to determine pressure requirements.

Currently, Bullard offers multiple NIOSH-approved respirator assemblies that are approved for use with the Frigitron2000, which can be used with the ICE Pump. The CC20, RT, GRH, GenVX® and 88VX all have assemblies approved with the Frigitron2000.

### Are There Any Bullard Respirator Bundles for the ICE Pump?

Bullard offers multiple NIOSH-approved respirator assemblies that can be used with the Frigitron2000 cooling device and ICE Pump.

- GR50ICESYS – ICEPUMP11 with GR50 Respirator, 100' of breathing air hose, and Frigitron2000 climate control device
- CC20TICICESYS – ICEPUMP11 with CC20TIC Respirator, 100' of breathing air hose, and Frigitron2000 climate control device
- 88VXICESYS – ICEPUMP11 with 88VX3235 Respirator, 100' of breathing air hose, and Frigitron2000 climate control device
- GENVXICESYS – ICEPUMP11 with GVX2835 Respirator, 100' of breathing air hose, and Frigitron2000 climate control device

### How Many Workers Can Use an ICE Pump?

The Bullard ICE Pump is recommended for use with one worker, wearing a NIOSH-approved respirator.



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### What Are the Performance Features of the ICE Pump?

- Oil-less\* – eliminates OSHA-required CO monitors, temperature alarms, and airline filters
- 2.0 HP, 115 V electric-driven
- Weighs 100 lbs. (45.4 kg) - 185 lbs. shipping weight
- Sound Level (dBA) at:
  - 1 ft. – 96.4
  - 6 ft. – 88.8
  - 10 ft. – 84.6
  - 15 ft. – 80.6
- Air flow of 8 cfm at 60 psig (225 lpm @ 400 kPa)
  - At least 100' of 1/2" ID breathing air supply hose is required for proper performance
- Maximum Outlet Air pressure of 60 psig (400 kPa)
- No calibration required
- Made in the USA

### How Often Do I Have to Replace the Filters on the ICE Pump?

- Medium Efficiency Inlet Filters (particulates larger than 25 microns filtered out of the air supply) - Replace after 500 operational hours or less depending on working conditions
- 90-micron Inline Outlet Filter - Replace after 500 operational hours or less depending on working conditions

### Can I Remote the Inlet Filters on the ICE Pump?

Breathable air inlets (4) can be located up to 300 feet away from pump.

4 – V50IN Remote Inlet Air Hose (50' each), plus up to 5 – V50EX Remote Extension Hose (50' each) per inlet, for a total of 300' maximum per inlet.

### What Extension Cord is Recommended with the ICE Pump?

10 AWG (20 amp) or heavier duty gauge is recommended.

Bullard also recommends:

- The distance be limited to 100 feet
- The plug be three-prong grounded
- Only one extension cord be used

\* Compressor does contain lubricated motor bearings and rod bearings. The bearings are a sealed design and lubricated for the life of the product. They are also located outside the compressed (wetted) air path of the compressor, eliminating any potential lubrication leakage inside the air path.

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