



SAFETY. SINCE 1898.™

ICE PUMP

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 produce no carbon monoxide, oil vapors, oil mist or moisture. For the pump operation, they do not require expensive carbon monoxide monitors, high temperature alarms or associated airline filters. Bullard ICE Pump and Free-Air pumps transfer ambient air from a clean air environment containing a continuous supply of at least Grade D breathable air at all times, to workers wearing Type C or CE NIOSH approved, continuous flow supplied air respirators systems.

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 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 @ 4 bar)
- 6 ft. 115 V cord with NEMA 5-20 Amp three-pronged plug
- Liquid-filled pressure gauge (0-100 psig)
- 4 Medium Efficiency Inlet Filters
- Inline Outlet Strainer (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 approves respirator systems after the respirator has been evaluated and found to comply with all requirements in the NIOSH regulations under Title 42, Code of Federal Regulations (CFR) Part 84 (42 CFR Part 84).

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

If a NIOSH approved respirator system includes a 1/2" ID air supply hose and a cooling device, the ICE Pump provides 8 cfm of air at 60 psig (225 lpm @ 4 bar). Check your NIOSH approved respirator's pressure table, usually located in the respirator's user manual, to determine correct pressure and CFM requirements.

Currently, Bullard offers multiple NIOSH-approved respirator systems that include the Frigitron2000, which can be used with the ICE Pump. The CC20, RT, GRH, GVX and 88VX respirator systems include the Frigitron2000.

Are There Any Bullard Respirator Bundles for the ICE Pump?

Bullard offers multiple NIOSH approved respirator systems 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
- GVXICESYS – 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* – does not produce CO, eliminates the need for temperature alarms, and associated 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 @ 4 bar)
 - ICE Pump MUST be connected to a minimum length of 100' of 1/2" ID air supply hose
- Maximum Outlet Air pressure of 60 psig (4 bar)
- No calibration required
- Assembled in the USA

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

- Medium Efficiency Inlet Filters (particulates filtered out of ambient air supply that can cause premature wear and tear on rotor/vanes of pump) - Replace after 500 operational hours or less depending on working conditions
- 90-micron Inline Outlet Strainer - Replace after 500 operational hours or less depending on working conditions

Can I Remote the Inlet Filters on the ICE Pump?

Air inlets (4) can be located up to 300 feet away from pump. Inlet filters must be located in a clean air environment containing a continuous supply of at least Grade D breathable air, at all times.

V50IN Remote Inlet Air Hose (50' each), ; four units required per ICE pump – V50EX Remote Extension Hose (50' each) ; Up to 5 additional extensions allowed, 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 air path of the compressor, eliminating any potential lubrication leakage inside the air path.

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