

BENEFITS

- OEM or Retrofit Applications
- Built into telecommunications cabinet, main frame or server rack.
- Flexible design that can travel with your standard 19" or 23" standard rack system.
- Pump can be powered by variety of power sources; including on-site backup supplies AC (50 or 60 Hz) - DC (12, 24, 36 or 48)
- Pump delivers small quantity of Novec™ 1230 Fire Protection Fluid at constant, steady pressure directly at the fire source in a local application. This means decreased agent costs.
- Fire protection system can be designed for extended discharge duration, cycled operation (on/off) or any series thereof; allowing you to properly shut down equipment.
- Integrates with gas detection system for small volume inerting capability.
- Can be manually turned on/off by on-site staff during an emergency.
- Agent can be applied at fire in heavy mist or liquid stream.
- Supply tank can easily be refilled by onsite maintenance staff.



Issued 5/04
Revision 2004-3

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CAPS Fire Inc.

Clean Agent Pumping Systems

BANTAM

Clean Agent Pumps for Portable Waterless Fire Protection Systems



Bantam Clean Agent Fire Pumps

Introducing a new (patent pending) tool in fire protection systems that provides the ability to protect valuable electronics at the source. Using pumps to deliver an environmentally friendly fire protection fluid provides new solutions to your fire protection problems.



ENVIRONMENTALLY FRIENDLY

This patent pending technology is based on a halon alternative manufactured by 3M Company, called Novec™ 1230 Fire Protection Fluid. Novec™ 1230 fluid is SNAP approved under the US EPA Significant New Alternatives Program (SNAP) and European ELINCS. With an Ozone Depletion Potential of 0, a Global Warming Potential of 1 and an atmospheric lifetime less than one year, Novec™ 1230 fluid has the critical properties needed for a long term, sustainable alternative to Halon, PFC's and HFC's.

Technology designed for use with



Novec™ 1230
Fire Protection Fluid

DESIGN FLEXIBILITY

The Bantam pump line removes the inherent handling risks present with highly pressurized cylinders used to protect your entire equipment room. The Bantam system works by delivering Novec™ 1230 fluid through small tubes and nozzles affixed directly to the rack in a local application method. It can be easily integrated within most industry standard 19" or 23" electronic rack assemblies; providing equipment owners with a lower cost alternative to protecting large open spaces. The Bantam clean agent pumping system moves with the equipment as needs and space configurations change.

SOLUTIONS

A Bantam clean agent pumping system is limited in design by only your imagination and configured rack system. Providing maximum design and application flexibility, allowing for a single discharge, cycled discharge, continuous discharge or any combination thereof. The ability to *easily* alter the delivery mechanism is unique for waterless systems and eliminates the need for multiple zone valves or large areas of floor space required for back up cylinders.

INCREASED PERFORMANCE

The local application of Novec™ 1230 fluid, prevents the fire from spreading to adjacent equipment and provides staff with ample time to re-route server loads or power down safely without a loss of data.

PUMP SPECIFICATIONS

The pumps are conveniently powered by a variety of electric motors using either AC (50 or 60 Hz) or DC voltage. The most common size pump can easily use on-site 12, 24, 36 or 48 VDC power sources and can be operated during power loss from existing backup power supply batteries.

- **Flow Ranges** from 0.0095 L/min (0.0025 gpm) to 42 L/min (11.1 gpm)
- **Maximum System Pressure** of 24 bar (360 psi)

