

# Quest Fan Coil XP300 Pro



## Explosion Proof Fan Coil

### The Quest Fan Coil XP300 Pro Description:

*The standard equipped unit is approved for use in Division I Hazardous Locations: Class I, Groups C & D / Class II, Groups F & G.*

The **Patent-Pending** Quest XP300 Pro Explosion Proof Coil is a powerful accessory device designed for use in conjunction with any of the Quest Central Hydronic Glycol Heaters. This **Patent-Pending** unit produces 3000CFM of airflow and 300,000BTUs of heat. It transfers heat from the heated glycol circuit to an air stream that is being forced through an internal hydronic heat transfer coil. This fan coil unit is designed for use in confined Hazardous spaces, as long as the "Central Hydronic Glycol Heater" is set up outside and well clear of the hazardous confined zone. The XP300 consists of the following components contained inside a portable aluminum cabinet.

- A liquid to air heat exchange coil, constructed of copper tube, aluminum fin and aluminum frame.
- A "Plug Fan" style air blower that utilizes a backward-inclined aluminum impeller and a motor that is approved for operation within specific "Hazardous Locations".
- A 3-port, manual-dial-operated, flow mixing/diverting valve.
- Integral air filtration which accepts various efficiency-rated air filters.
- Slide-in, aluminum duct connector collars can be attached to either the supply air outlet or the return air inlet or both.
- The unit is equipped with fork lift pockets and a center-top
- The cabinet base provides liquid-tight containment inside the cabinet that holds 6 times the glycol volume of the coil and an exterior section to catch drips when making or breaking the quick-coupler connections.



Specifications subject to change without notice. 07/17



**Intertek**  
Patent Pending

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#### Applications and Benefits:

The XP300 can be used to provide a temporary or permanent heat solution wherever Hydronic distribution may be used. It will operate very effectively and efficiently on construction sites of all types. The single biggest advantage over all competitors is the capability of this fan coil unit to be used in Hazardous Locations. This unit is unique in ways that no others on the market can match.



- It is the best choice for any locations where volatile vapors or dusts are (or may be) present. These could include:
  - \* Gas and oil extraction sites, refineries & plants.
  - \* Mine sites.
  - \* Chemical plants.
  - \* Warehouses that store and distribute volatile substances.
  - \* Factories that produce or use volatile substances.
  - \* Cargo vessels that carry volatile substances in their “holds”.
  - \* Containers and tanks that are used to store or transport hazardous materials or for handling environmental cleanup residues.
  - \* Hoarded contained spaces where volatile coatings must be applied, dried or removed.
  - \* Outdoor locations such as drilling platforms, pipeline assemblies or other similar situations. This unit can direct a stream of warm dry air over the workmen and assemblies they are working on, to provide comfort, enhance quality of workmanship and improve productivity.
- The unit is constructed mostly of aluminum for light weight and non-sparking exterior surfaces. It is easy to move around and quick to set up.



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- Because this unit utilizes a backward inclined high pressure, high volume blower, it can be set up, even in Hazardous Locations, for functions that competitors cannot.
  - \* It can be connected to ducts for customized efficient distribution. This could be a flex connection to an existing duct system within the structure or a temporary set of flexible or lay-flat ducts.
  - \* It is capable of high efficient filtration of the airstream. It accepts a 20" x 30" x 2" filter available in efficiencies up to MERV 13 rating
- The 3-way, manual dial-operated glycol flow valve provides a simple effective means of controlling the temperature of the output air stream and hence the comfort level within the hazardous zone.
  - \* The adjustment dial is rotated to any position between 0% and 100% of the hot glycol to be directed through the heat transfer coil. The portion of flow that does not go through the coil is diverted straight back to the outdoor glycol re-heat unit. The comfortable temperature position (for inside the contained structure) is easily found in this way.
  - \* This allows the blower to run continuously to provide for conditioning requirements besides temperature control (such as drying and filtration) on a full time basis.
  - \* This simple heat control strategy eliminates the need for costly wiring and controls that would be necessary to have a thermostatic control system designed for Hazardous Location use.
- The "Plug-fan" style air blower is simple to remove from the cabinet assembly by removing 6 bolts. Access to the interior is not required to remove or replace these bolts. This simplifies blower service or motor replacement.
- Air filters are accessible through a slot in the side wall of the cabinet enclosure.



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# Portable Climate Control Equipment

## Product Specifications

Part No.	4036830
Heat Capacity	300,000 BTUs when heating 60,000 BTUs when cooling
Airflow	3,000 CFM

## Physical Specifications

Length of Cabinet	inches (millimeters)	33 (838)
Width of Cabinet	inches (millimeters)	29 (737)
Height of Cabinet	inches (millimeters)	41 (1041)
Weight: With Glycol	pounds (kilograms)	195 (89)

## Electrical Supply Specifications

Supply Voltage	115/208-230
Circuit Amperage	20/10
Hertz	60
Phase	1

Specification for cable and wiring accessories must be determined for every Set-up.  
**Must be performed by a licensed electrician.**

**Quest Climate Control Equipment will give you  
"The Power to CONTROL MOTHER NATURE."**

***Enhance your service offering and  
generate new, diversified profits today!***

***Application knowledge is just a phone call away.***

***For more information, call your Quest National Sales Manager. Please scan here  
or go to [questonthejob.com/contact-us](http://questonthejob.com/contact-us)***



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