



Zone Control Panels

The Original “Boiler Room in a Box”

HXPRO



Danfoss HXPRO panels provide a unique solution to hydronic and/or radiant systems which mix potable and non potable systems. These panels can be used in a variety of applications, specifically with wall hung instantaneous water heaters.

Application

Capable of delivery up to 70 MBH based on a 20°F, Delta T, the HXPRO panel was designed specifically to isolate a potable heating source from a non-potable water or heating water with a glycol mix. When supplied with the optional flow switch it can be used as a heating panel in conjunction with wall hung instantaneous water heaters to provide a low temp (typically radiant) heating source.

Function

As a stand alone panel the HXPRO provides one outlet with a flow capacity of 7 GPM At 9' of head. The tempering outlet temperature has a capacity of transferring 70,000 BTU/hr. The HXPRO is not supplied standard with thermostat but can be supplied with a option Danfoss thermostat with a plug in connection and a 35' cord (either the RET, RETB or FH) or customer supplied thermostats can usually be used (non power-robbing).

Mixed water is provided by a 2-way injection pump which is controlled by a Danfoss ECL 302 outdoor reset control. The HXPRO offers a unique solution to critical application problems.

Construction

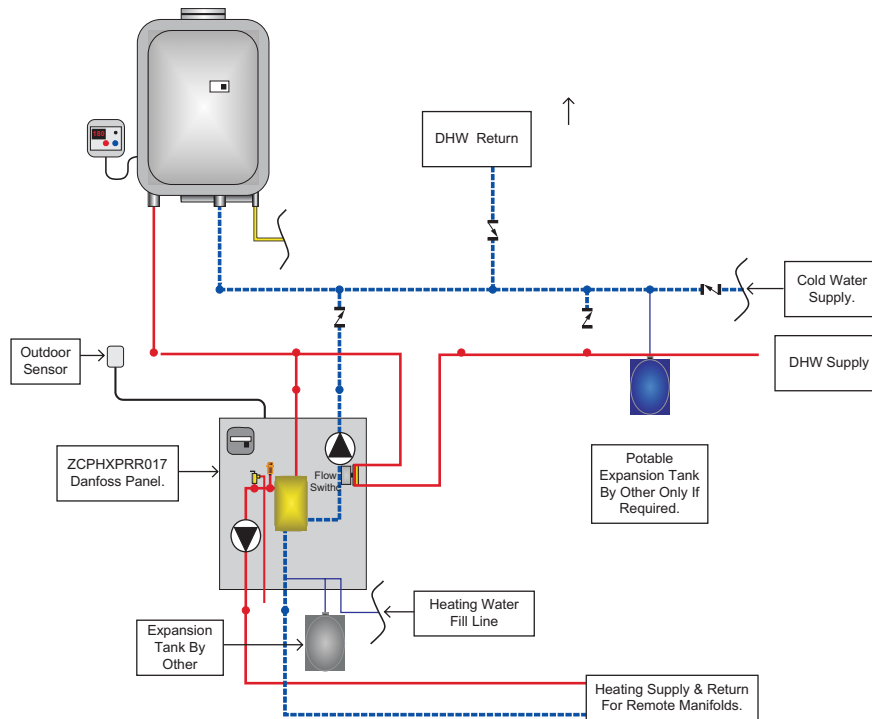
All HXPRO zone control panels are contained in a lockable, wall mounted powder coated steel enclosure. Each component has been selected to provide efficient and reliable operation. Every HXPRO panel is factory leak tested prior to leaving the factory. All electrical and mechanical components are thoroughly inspected and function tested. Each Panel is ETL listed and complies with the requirements of CAN/CSA-C22.2 #14 & UL 508.

FEATURES AND BENEFITS

- Pre engineered
All ZCP panels are designed in accordance with accepted engineering practices and hydronic principles to provide efficient and reliable operation
- Pre assembled and tested
Factory assembled using specialized equipment and testing methods. Reduces field labor and service calls
- Pre-wired
All controls are factory wired and tested, eliminating a time consuming part of the installation
- Approvals
Each panel is ETL listed and complies with the requirements of CAN/CSA-C22.2 No.14 & UL508

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Application Example

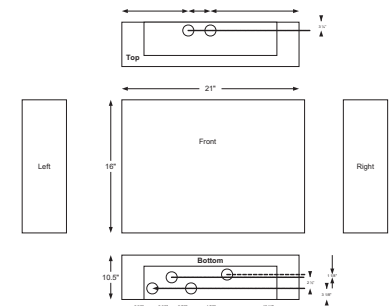


Standard Equipment: Hi Head Water heater circulator, Heating system circulator, HX, Flow switch on domestic side (optional), flow check valves, isolation valves ECL reset control, power pack, 115 V pre-wired cord with plug, all enclosed in a powder coat enclosure.

HXPRO Dimensions

Manufacturing Specifications	21" Wide X 16" Tall X 8" deep
Listing	cETLus # 3094259
Conforms to	Standard CAN/CSA C22.2, UL 508
Pressure rating	125psi @ 212°F

Dimensions	
Output Range of Panel (based on 20°F ΔT between Supply & Return)**	70,000 Btu/HR
Max. flow & head pressure	7 GPM @ 9' of head available at heating outlet
Max. ambient temperature	120°F (49°C)
Max. supply temp. from heat source to panel	200°F (93°C)
Max. supply to system	180°F (82°C)
Settable fluid temp. range	50-180°F (10-82°C)
Power supply (pre-wired)	Module with 120V plug & 6' cord. Requires dedicated receptacle, 15 Amp, 120V, 60Hz Single phase
Auxiliary terminal	Dry contacts, 1x2 terminal strip, screw type, max. load 2A
Piping connections	3/4" Female MIP
Acceptable fluid	100% water or up to a maximum of 50% mixture of water and glycol*
40 GPM Maximum flow	



A	Heat source supply
B	Heat source return
C	System supply
D	System return
E	Expansion tank and Fill connection



ETL listed
complies with CAN/CSA-C22.2
No. 14 & UL-508

ZCP Mfg Inc.

8034, 11500-35th St. SE
Calgary AB T2Z 3W4
Tel: 403-236-9560

Fax: 403-236-0826
Email: lyndon@zcpinc.com
website: www.zcpinc.com

The Art of Comfort

