



INSTALLATION / OPERATION MANUAL

Underfloor Fan Terminal Unit (Hydronic Heating)

MODEL:

UFW

TOOLS REQUIRED:

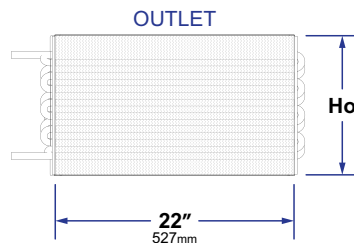
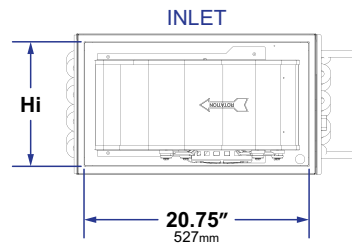
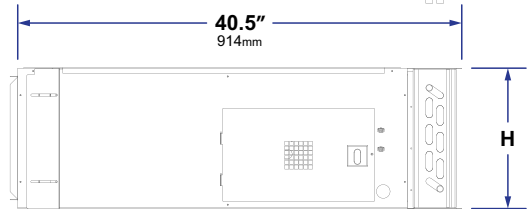
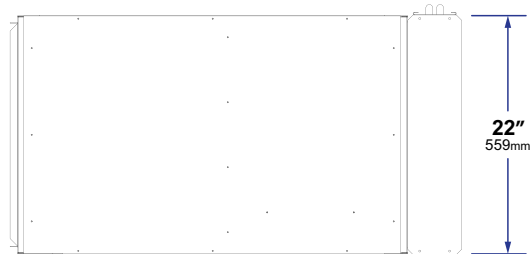
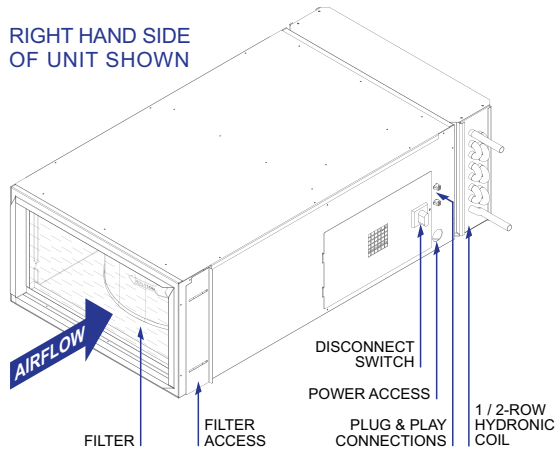
1. Power Screwdriver
 - Phillips #3 Bit - floor panel screws
2. Panel Lifter (Suction Cups) - remove floor panels
3. Voltmeter - monitor power

MATERIALS REQUIRED:

1. UFW Underfloor Fan Terminal Unit
2. Plug & Play Cables (PAP-5 / PAP-6)
3. Power / Water Connections

PREPARATION:

1. Verify that the UFW is the correct model, unit count and location(s) per scheduled placement.
2. Remove the floor covering / floor panels at the desired location(s) (if installed). A minimum 4' x 4' (1.2m x 1.2m) opening is recommended to install the UFW terminal.
3. Verify that all adjacent floor panels are properly installed.



ALL DIMENSIONS NOMINAL +/- 0.1" (2.5mm)

H	in	8	10	13	15
	mm	203	254	330	381
Hi	in	6.5	8.5	11.5	13.5
	mm	165	216	292	343
Ho	in	8	10	13	15
	mm	203	254	330	381



IMPORTANT: It is **HIGHLY RECOMMENDED** by the manufacturer that each zone be checked for faulty or improper wiring **DURING INSTALLATION**. Each zone should be tested thoroughly for full connectivity before proceeding with installation of the next zone. The manufacturer cannot be responsible for any improper installation as a result of failure to follow this procedure as outlined in the AirFixture Connectivity Testing Procedures.



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MODEL: **UFW**

INSTALLATION:

1. Position the UFW by laying it on the subfloor.
Verify that the controls access panel clears any floor pedestals or other underfloor obstructions, and can be fully opened and accessed.
2. Connect UFW to designated thermostatic zone, using Plug & Play cables connected to molex inputs located on side of terminal next to controls access panel.
3. Connect the water coil to building water system, per local code requirements.
4. Connect UFW to building power, per local code requirements.
5. With circuit energized, use voltmeter to check UFW power status and verify that the fan operates correctly.
6. It is recommended by the manufacturer to remove the filter after construction, before commissioning.
7. Replace all removed floor panels, and secure in place with floor panel screws.

PRODUCT DESCRIPTION	PRIMARY VOLTAGE	PHASE	FAN MOTOR VOLTAGE	MCA	MOP	
UFW	12	120	1	120	9.6	15
	20	208	1	120	9.6	15
	24	240	1	240	5.4	15
	27	277	1	277	5.1	15
	23	208	3	120	9.6	15
	48	480	3	277	5.1	15

1. 120V (120/1/60) | 277V (277/1/60)
 - Single Phase units require 3 conductors: Line / Neutral / Ground
2. 240V (240/1/60)
 - Single Phase 240V requires 3 conductors: Line1 / Line2 / Ground
3. 208V (208/1/60)
 - Single Phase 208V requires 4 conductors: Line1 / Line2 / Neutral / Ground
4. 208V (208/3/60) | 480V (480/3/60)
 - 3-Phase units require 5 conductors: Line1 / Line2 / Line3 / Neutral / Ground

OPERATION:

Once installed, the UFW requires no direct input or regular adjustment for proper operation.

MAINTENANCE:

Once installed, the UFW requires no regular service or maintenance for proper operation.

REPLACEMENT PARTS:

1. Fuses - P/N: 999.0072.00