

ADDENDUM 002 TO THE CONTRACT DOCUMENTS

Project: City of Unalaska - City Hall Snowmelt System
Addendum Issue Date: August 31, 2017
Issued for Bid Date: August 25, 2017
Bid Due Date: September 12, 2107 at 2:00pm (AKST)
Previous Addenda Issued: Addendum 001
Issued By: Robert Lund, P.E.
City of Unalaska
PO Box 610
Unalaska, Alaska 99685

Notice to Proposers:

Proposers must acknowledge receipt of this addendum prior to the date set for bid opening by one of the following methods:

- (1) By acknowledging receipt of this addendum on the Proposal Form submitted.

The bid documents require acknowledgment individually of all addenda to the drawings and/or specifications. This is a mandatory requirement and any Proposal received without acknowledgment of receipt of addenda may be classified as not being a responsive Proposal. If, by virtue of this addendum it is desired to modify a Proposal already submitted, such modification may be made by email as provided in II. Instructions.

The Contract Documents for the above project are amended as follows (all other terms and conditions remain unchanged):

ITEM 1

Contract: *City of Unalaska City Hall Snowmelt System*

Section: *Construction Drawings (Plan Sheets)*

AD2-1 Sheet M1.0 Equipment Schedule GT-2 add this text to Description: INCLUDE THE ACCESSORY ALARM PACKAGE RIA10-1-SAA.

See attached Axiom cut sheet.

AD2-2 Sheet M1.0 Equipment Schedule UB-1 change Description to: UTILITY BOX - POLYMER CONCRETE UNDERGROUND ENCLOSURE, 30-7/8"x17-7/8"x22" COVER DIMENSIONS, OPEN BOTTOM, SINGLE PIECE HEAVY DUTY COVER WITH "SNOWMELT" LOGO. BASIS OF DESIGN: QUAZITE MODEL PG1730HA00 COVER AND PG1730BA24 BOX.

See attached Quazite cut sheet.

**END OF
ADDENDUM 002**



MODEL MF200 'PRESSURE PAL' MINI SYSTEM FEEDER

The 'PRESSURE PAL' is ideal for feeding and pressurizing closed hydronic systems that do not require cold static fill pressures higher than 170 kPa (25 psig). It is compatible with both water and glycol/water solutions. Perfect for small boiler/chiller systems, snow/ice melt circuits, outside air heating/cooling glycol coils, solar heating systems.



FEATURES and BENEFITS

- 25 liter (6.6 US gallon) tank for storage and mixing
- UL listed Power supply plugs into any standard 115 VAC outlet
- Diaphragm pump can run dry without damage
- No direct connection to potable water supply eliminates need for backflow prevention
- Make-up fluid stored in the feeder tank can be pre-treated
- Diverter valve allows easy purging of air on initial start-up, and manual agitation of solution
- Prevents major floods - in the event of system rupture, only the contents of the tank will be pumped into the system
- Provides leak detection - dropping fluid level provides immediate notice that the system has developed a leak
- Fluid drained for service can easily be put back into the system
- Fluid level switch shuts the pump off if the storage tank level gets too low

Represented By:

TOLL FREE: (877) 651-1815 **PHONE:** (306) 651-1815 **EMAIL:** info@axiomind.com

www.axiomind.com



INDUSTRIES LIMITED

MF200 HYDRONIC SYSTEM FEEDER TECHNICAL INFORMATION

WEIGHT - 3.2 kg, 7 lbs.

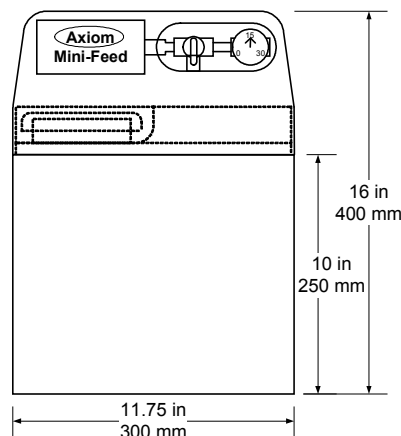
ELECTRICAL

Power supply adapter (UL listed)
100-240VAC/50-60Hz/1 to 24 VDC
LED Power Light

PUMP PERFORMANCE

0.04 l/s (0.7 gpm) @ free flow
Self-priming up to 1.2 m (4 feet)

SPECIFICATION



Depth - 11.75 in 300 mm
Clearances – Right Side and Top - 12 in 305 mm
Weight When Full 60 lbs/27 kg.
Discharge 1/2" FPT

Hydronic system feeder shall be AXIOM INDUSTRIES LTD. Model MF200. System shall include 25 litre (6.6 U.S. gallon) storage/mixing tank with molded-in level gauge, 125 mm (5") fill/access opening and cover; graduated funnel with stainless steel filter; pump suction hose with inlet strainer and check valve; pressure pump with fuse protection; low fluid level pump cut-out float switch; manual diverter valve for purging air and agitating contents of storage tank; snubber with pressure switch, adjustable from 70 kPa (10 psig) to 170 kPa (25 psig) cut-out pressure; factory cut-out pressure set to 115 kPa (17psig); and liquid filled pressure gauge. Unit to c/w UL listed power supply adapter with LED power indicator light, 100-240VAC/50-60Hz/1 to 24 VDC, supplied loose for field installation.

Feeder shall be compatible with glycol solutions of up to 50% concentration. Pump shall be capable of running dry without damage. Unit shall be completely assembled.

ACCESSORIES

- ☐ **MF200-1430** – Tank Mounting Shelf
- ☐ **RIA10-1-SAA** – Low level Alarm Panel c/w Remote Monitoring Dry Contacts and Selectable Audible Alarm

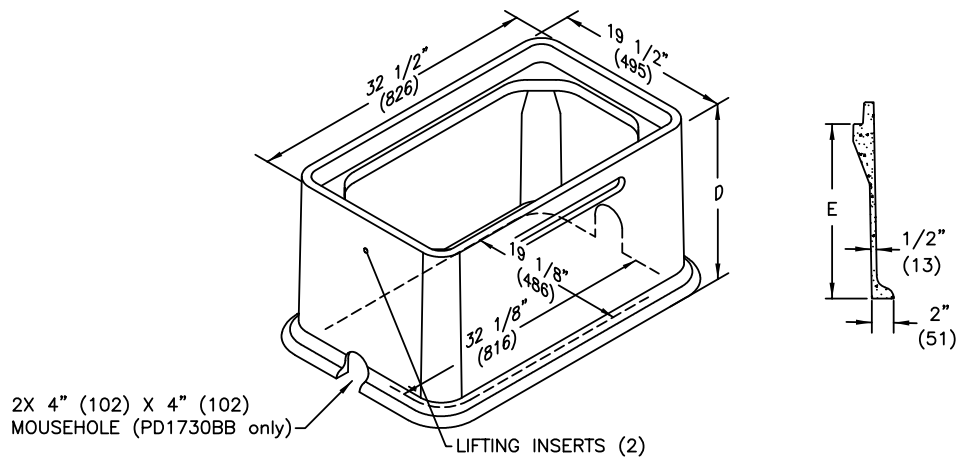
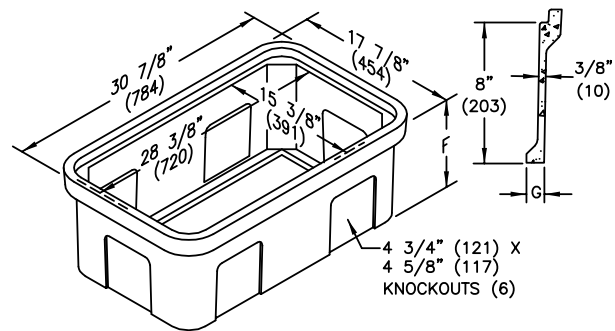
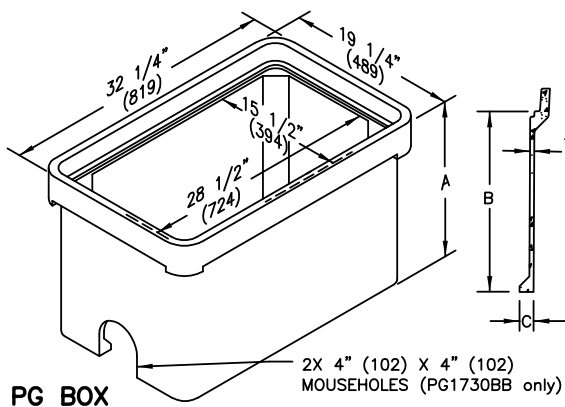
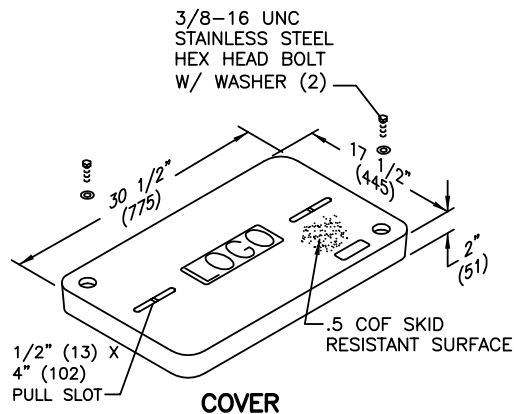
LIMITED WARRANTY

The MF200 is warranted against defects in materials and workmanship for one year.

Project _____	Location _____
Consultant _____	Contractor _____
Unit Tag _____	Sales Agent _____

SPECIFICATIONS/DATA

17" x 30" PG Style (Stackable) Assembly and 17" x 30" PD Style Assembly



17" x 30" PG Style (Stackable) Assembly and 17" x 30 PD Style Assembly

SPECIFICATIONS/DATA

Covers (Blank unless logo is specified)

DESCRIPTION	PART NO.	WEIGHT #	DESIGN/TEST LOAD #	ANSI TIER*
W/2 Bolts	PG1730CA00	52 (23.6 kg)	8,000 / 12,000	8
Gasketed w/2 Bolts	PG1730CG00	52 (23.6 kg)	8,000 / 12,000	8
No Bolts	PG1730WA00	52 (23.6 kg)	8,000 / 12,000	8
Heavy Duty w/2 Bolts	PG1730HA00	83 (37.6 kg)	15,000 / 22,500	15
Gasketed Heavy Duty w/2 Bolts	PG1730HG00	83 (37.6 kg)	15,000 / 22,500	15
Extra Heavy Duty w/2 Bolts	PG1730HH00	83 (37.6 kg)	22,500 / 33,750	22

- Covers with meter lids available upon request. See page 12 or page 56 for meter lid cover load rating explanation.
- Gasketed covers and bolt grommets must be used with a gasketed box. Gaskets reduce the inflow of fluids but do not make the enclosure water tight.

PG Boxes (Stackable with self-aligning, replaceable EZ Nut) **22" - 30" Deep boxes must be used as bottom of any stack.)

DESCRIPTION	PART NO.	WEIGHT #	DIMENSION A	DIMENSION B	DIMENSION C	DESIGN/TEST LOAD #	ANSI TIER*
Open Bottom	PG1730BA12	67 (30.4 kg)	12" (305 mm)	10" (254 mm)	1 1/4" (32 mm)	22,500 / 33,750	22
	PG1730BA18	94 (42.6 kg)	18" (457 mm)	16" (406 mm)	1 1/4" (32 mm)	22,500 / 33,750	22
	PG1730BA22	106 (48.1 kg)	22" (559 mm)	20" (508 mm)	1 1/4" (32 mm)	22,500 / 33,750	22
	PG1730BA24	122 (55.3 kg)	24" (610 mm)	22" (559 mm)	1 1/4" (32 mm)	22,500 / 33,750	22
	PG1730BA28	126 (57.2 kg)	28" (711 mm)	26" (660 mm)	1/2" (13 mm)	22,500 / 33,750	22
	PG1730BA30	144 (65.3 kg)	30" (762 mm)	28" (711 mm)	1/2" (13 mm)	22,500 / 33,750	22
Open Bottom w/2 Mouseholes	PG1730BB12	65 (29.5 kg)	12" (305 mm)	10" (254 mm)	1 1/4" (32 mm)	22,500 / 33,750	22
	PG1730BB18	92 (41.7 kg)	18" (457 mm)	16" (406 mm)	1 1/4" (32 mm)	22,500 / 33,750	22
	PG1730BB22	104 (47.2 kg)	22" (559 mm)	20" (508 mm)	1 1/4" (32 mm)	22,500 / 33,750	22
	PG1730BB24	120 (54.4 kg)	24" (610 mm)	22" (559 mm)	1 1/4" (32 mm)	22,500 / 33,750	22
	PG1730BB28	124 (56.2 kg)	28" (711 mm)	26" (660 mm)	1/2" (13 mm)	22,500 / 33,750	22
	PG1730BB30	142 (64.4 kg)	30" (762 mm)	28" (711 mm)	1/2" (13 mm)	22,500 / 33,750	22
Solid Bottom	PG1730DA12	85 (38.5 kg)	12 1/2" (318 mm)	10" (254 mm)	N/A	22,500 / 33,750	22
	PG1730DA18	112 (50.8 kg)	18 1/2" (470 mm)	16" (406 mm)	N/A	22,500 / 33,750	22
	PG1730DA22	124 (56.2 kg)	22 1/2" (572 mm)	20" (508 mm)	N/A	22,500 / 33,750	22
	PG1730DA24	137 (62.0 kg)	24 1/2" (622 mm)	22" (559 mm)	N/A	22,500 / 33,750	22
	PG1730DA28	143 (64.9 kg)	28 1/2" (724 mm)	26" (660 mm)	N/A	22,500 / 33,750	22
	PG1730DA30	150 (68.0 kg)	30 1/2" (775 mm)	28" (711 mm)	N/A	22,500 / 33,750	22

PD Boxes

DESCRIPTION	PART NO.	WEIGHT #	DIMENSION D	DIMENSION E	DESIGN/TEST LOAD #	ANSI TIER*
Open Bottom	PD1730BA18	129 (59 kg)	18" (457 mm)	16" (406 mm)	22,500 / 33,750	22
	PD1730BA26	166 (75 kg)	26" (660 mm)	24" (610 mm)	22,500 / 33,750	22
Open Bottom w/2 Mouseholes	PD1730BB18	127 (58 kg)	18" (457 mm)	16" (406 mm)	22,500 / 33,750	22
	PD1730BB26	164 (74 kg)	26" (660 mm)	24" (610 mm)	22,500 / 33,750	22
Open Bottom w/Gasket	PD1730BG18	129 (59 kg)	18" (457 mm)	16" (406 mm)	22,500 / 33,750	22
	PD1730BG26	166 (75 kg)	26" (660 mm)	24" (610 mm)	22,500 / 33,750	22

Extensions (For use under 12" and 18" boxes only, one per box.)

DESCRIPTION	PART NO.	WEIGHT #	DIMENSION F	DIMENSION G	DESIGN/TEST LOAD #	ANSI TIER*
Open Bottom	PG1730EA08	36 (16.3 kg)	8 3/4" (222 mm)	1" (25 mm)	22,500 / 33,750	22
Solid Bottom	PG1730RA08	55 (24.9 kg)	9 1/4" (235 mm)	N/A	22,500 / 33,750	22

Dimensions & weights in parentheses are metric equivalent.

* Loadings comply with ANSI/SCTE 77 (see page 9).