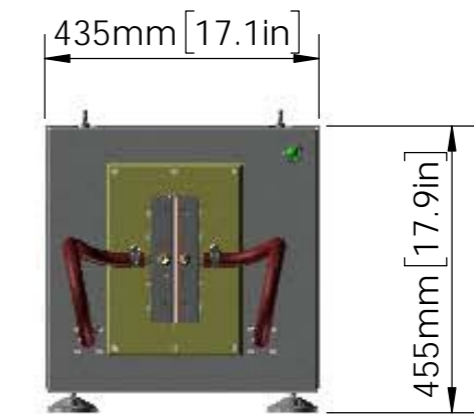
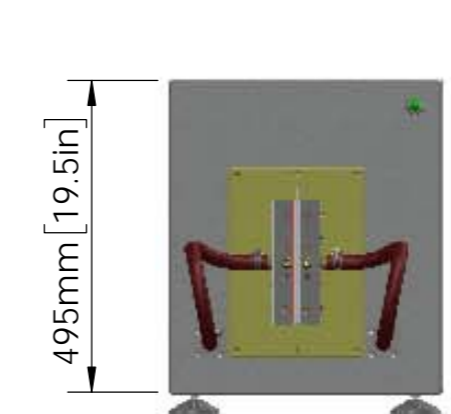
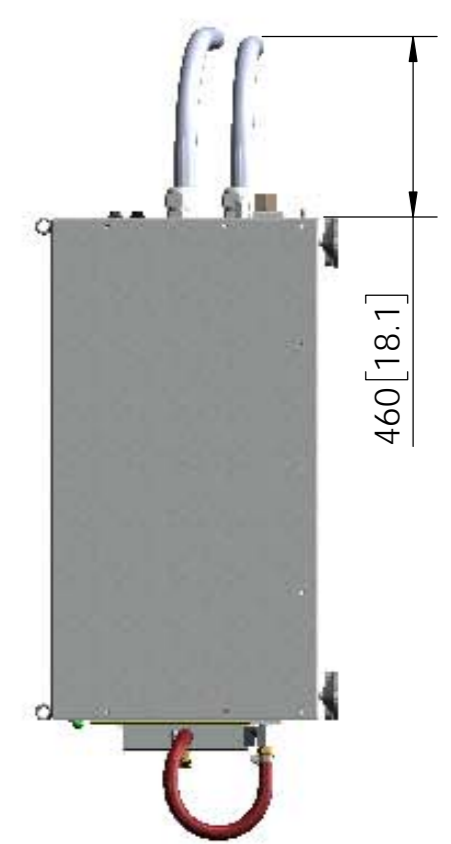
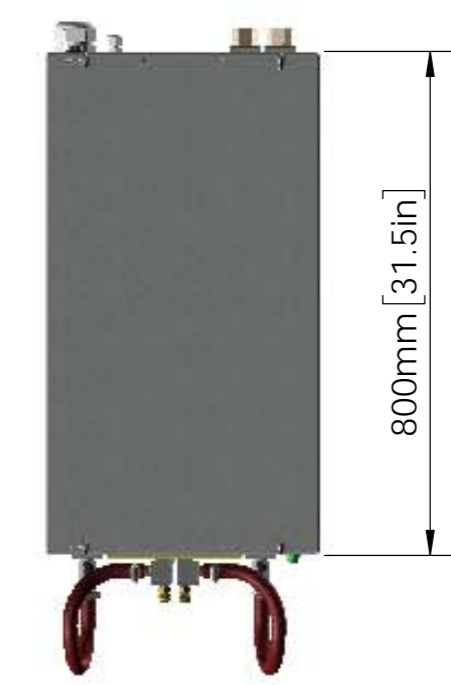
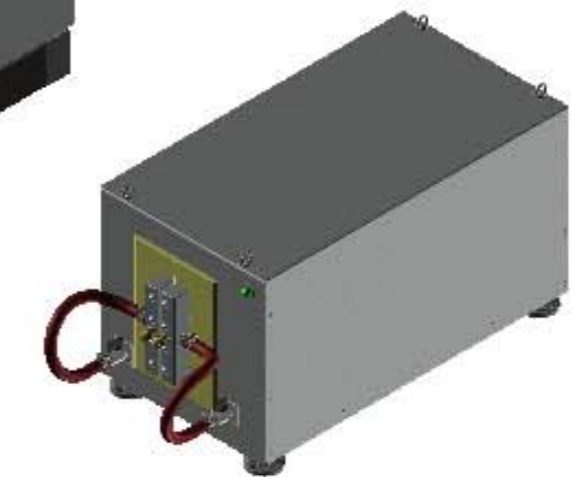


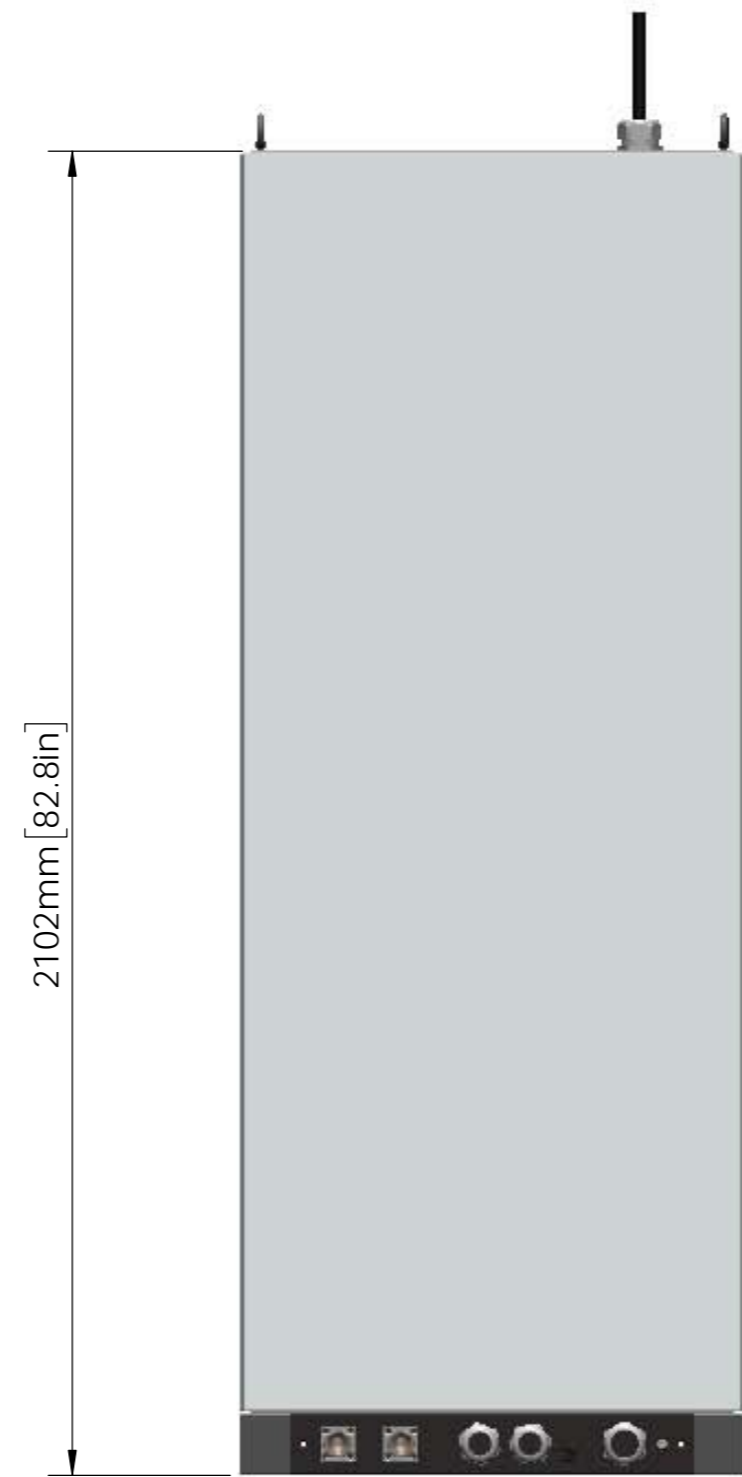
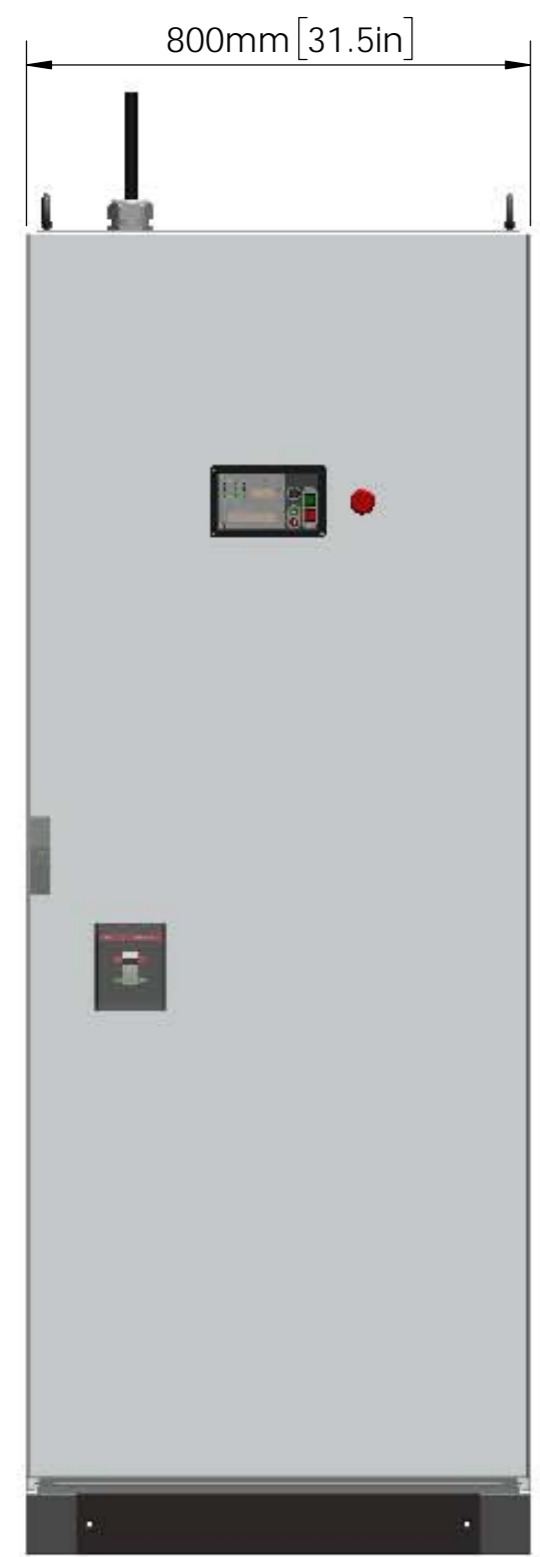
POWER SUPPLY
WEIGHT: 350kg [750lbs]



HEAT STATION



HS100/50LF **HS 100/50**
WEIGHT: 65kg [190lbs] WEIGHT: 60kg [176lbs]



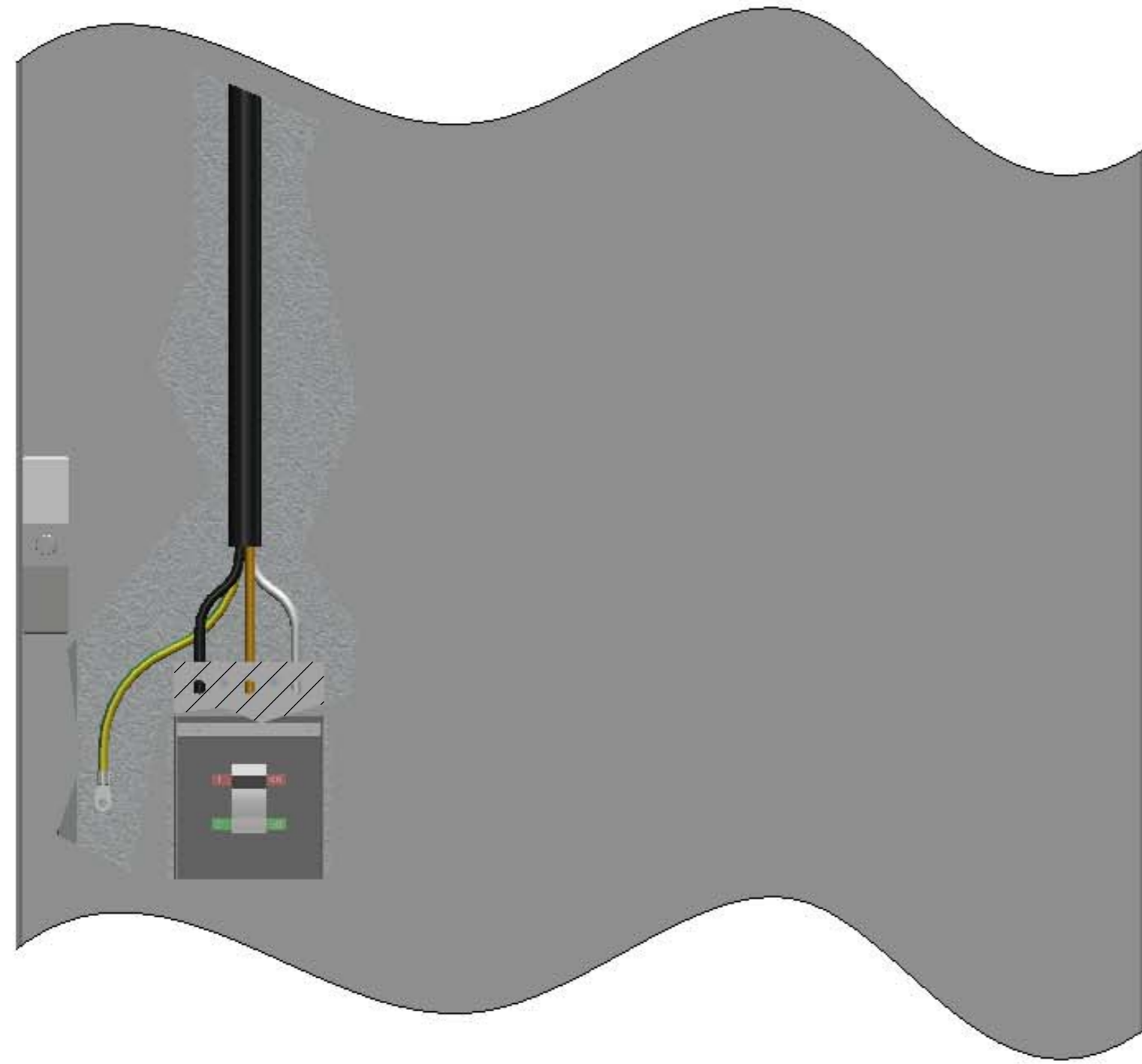
THIS DRAWING IS A QUICK REFERENCE GUIDE FOR UPT SERIES ULTRA HEAT L AND LF SYSTEMS. FOR FURTHER INFORMATION, SEE OPERATION MANUAL OM-0UFX-530-100-00. THIS DRAWING SUBJECT TO CHANGE WITHOUT NOTICE.

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------|--|--|--|-------------------------------|--|--|--|---------------------------------|--|--|--|-------------------------------|--|--|--|---------------|--|--------------|--|----------------|--|-----------------|--|------------------|--|
| COMMENTS: | | | | DIMENSIONS ARE IN MILLIMETERS | | | | Finish/Treatment ISO 1302-Ra | | | | Tolerances EN 22768/1.2-mH | | | | 0.5-6 ±0.1 | | 6-30 ±0.2 | | 30-120 ±0.3 | | 120-400 ±0.5 | | 400-1000 ±0.8 | |
| | | | | SURFACE FINISH: | | | | Part No | | | | | | | | | | | | | | | | | |
| | | | | | | | | DESCRIPTION: | | | | | | | | | | | | | | | | | |
| | | | | | | | | OUTLINE & INSTALLATION DRAWING | | | | | | | | | | | | | | | | | |
| | | | | | | | | LN-75/50, LN-100/50 | | | | | | | | | | | | | | | | | |
| 1 | | | | Rev A00 | | | | 7/20/2016 | | | | | | | | | | | | | | | | | |
| DRAWN | | | | KJF | | | | 7/20/2016 | | | | | | | | | | | | | | | | | |
| CHK'D | | | | | | | | 7/20/2016 | | | | | | | | | | | | | | | | | |
| APP'VD | | | | | | | | | | | | | | | | | | | | | | | | | |
| Q.A. | | | | | | | | 7/20/2016 | | | | | | | | | | | | | | | | | |

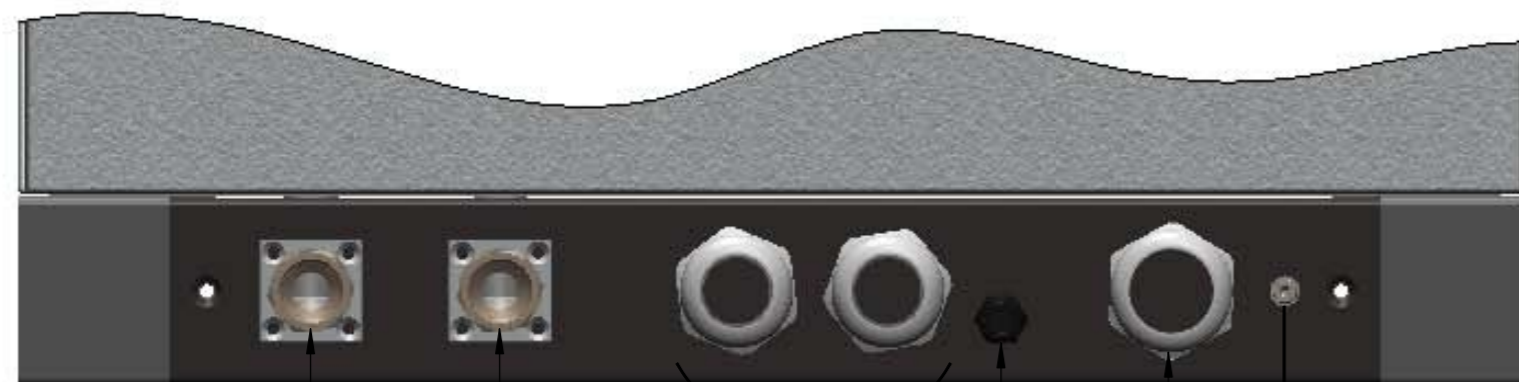
Proprietary and Confidential
The information contained in this drawing is the sole property of "ULTRAFLEX".
Any reproduction in part or as a whole without the written permission of "ULTRAFLEX" is prohibited



POWER SUPPLY FRONT DOOR MAIN CIRCUIT BREAKER

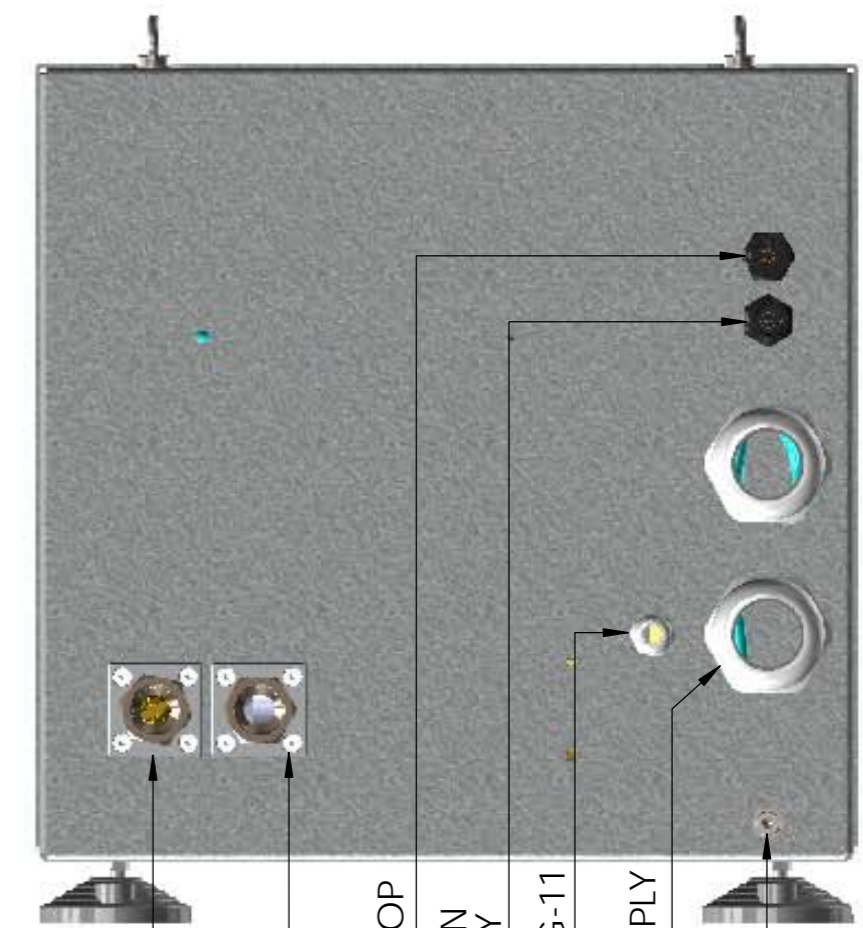


POWER SUPPLY REAR VIEW



- 1 WATER OUTLET G1 (BSPP 1")
- 1 WATER INLET G1 (BSPP 1")
- RF POWER PG-42 TO HEAT STATION
- COMMUNICATIONS HS INTERFACE
- OPTIONAL LINE IN PG42
- EARTH GROUND TO HEAT STATION

HEAT STATION REAR VIEW



- 2 WATER OUTLET G(PSP) 3/4
- 2 WATER INLET G(PSP) 3/4
- REMOTE START/STOP
- COMMUNICATION TO POWER SUPPLY
- EXTERNAL CTRL PG-11
- RF PWR 2 X PG-42 FROM POWER SUPPLY
- EARTH GROUND FROM POWER SUPPLY

- 1 G1 (1" BSPP) MALE TO 1"NPT FEMALE FITTINGS INSTALLED ON POWER SUPPLY ALTERNATE ADAPTERS CAN BE PROVIDED UPON REQUEST.
- 2 G 3/4 (3/4"BSPP) MALE TO 3/4" NPT FEMALE FITTINGS INSTALLED ON HEAT STATION. ALTERNATE ADAPTERS CAN BE PROVIDED UPON REQUEST.

| ELECTRICAL AND COOLING | | | |
|-------------------------|-----------------------|-----------|------------------------------|
| SPECIFICATION | LN-75/50 | LN-100/50 | REMARKS |
| AC VOLATAGE | 380-480VAC 3 PHASE | | ±10% |
| LINE FREQUENCY | 50/60 Hz | | |
| INPUT MAXIMUM CURRENT | 3 X 140A | 3 X 190A | @3 X 380VAC ±10% |
| INPUT MAXIMUM POWER | 82kVA | 110kVA | |
| MINIMUM EFFICIENCY | 95% | | AT FULL LOAD |
| POWER SUPPLY COOLING | 40 lpm [10.6 gpm] | | INLET MAX TEMP 95 °F (35 °C) |
| HEAT STATION COOLING | 20 lpm [5.3gpm] | | INLET MAX TEMP 95 °F (35 °C) |
| ADDITIONAL COIL COOLING | APPLICATION DEPENDANT | | CONSULT UPT FOR GUIDANCE |

| | | | | | | | | | | |
|-----------|---------|---|-----------|--|----------------------------|--------------|-----------|-------------|--------------|---------------|
| COMMENTS: | | DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: | | Finish/Treatment ISO 1302-Ra | Tolerances EN 22768/1.2-mH | 0-6 ±0.1 | 6-30 ±0.2 | 30-120 ±0.3 | 120-400 ±0.5 | 400-1000 ±0.8 |
| | | | | Part No | | | | | | |
| | | | | DESCRIPTION: | | | | | | |
| | | | | OUTLINE & INSTALLATION DRAWING LN-75/50, LN-100/50 | | | | | | |
| 1 | Rev A00 | | 7/20/2016 | | | | | | | |
| | NAME | SIGNATURE | DATE | | | | | | | |
| DRAWN | KJF | | 7/20/2016 | | | | | | | |
| CHK'D | | | 7/20/2016 | | | | | | | |
| APP'VD | | | | | | | | | | |
| Q.A. | | | 7/20/2016 | | | | | | | |
| | | | | MATERIAL: | | WEIGHT: g | | Size A2 | | |
| | | | | SCALE:1:1 | | SHEET 2 OF 3 | | | | |

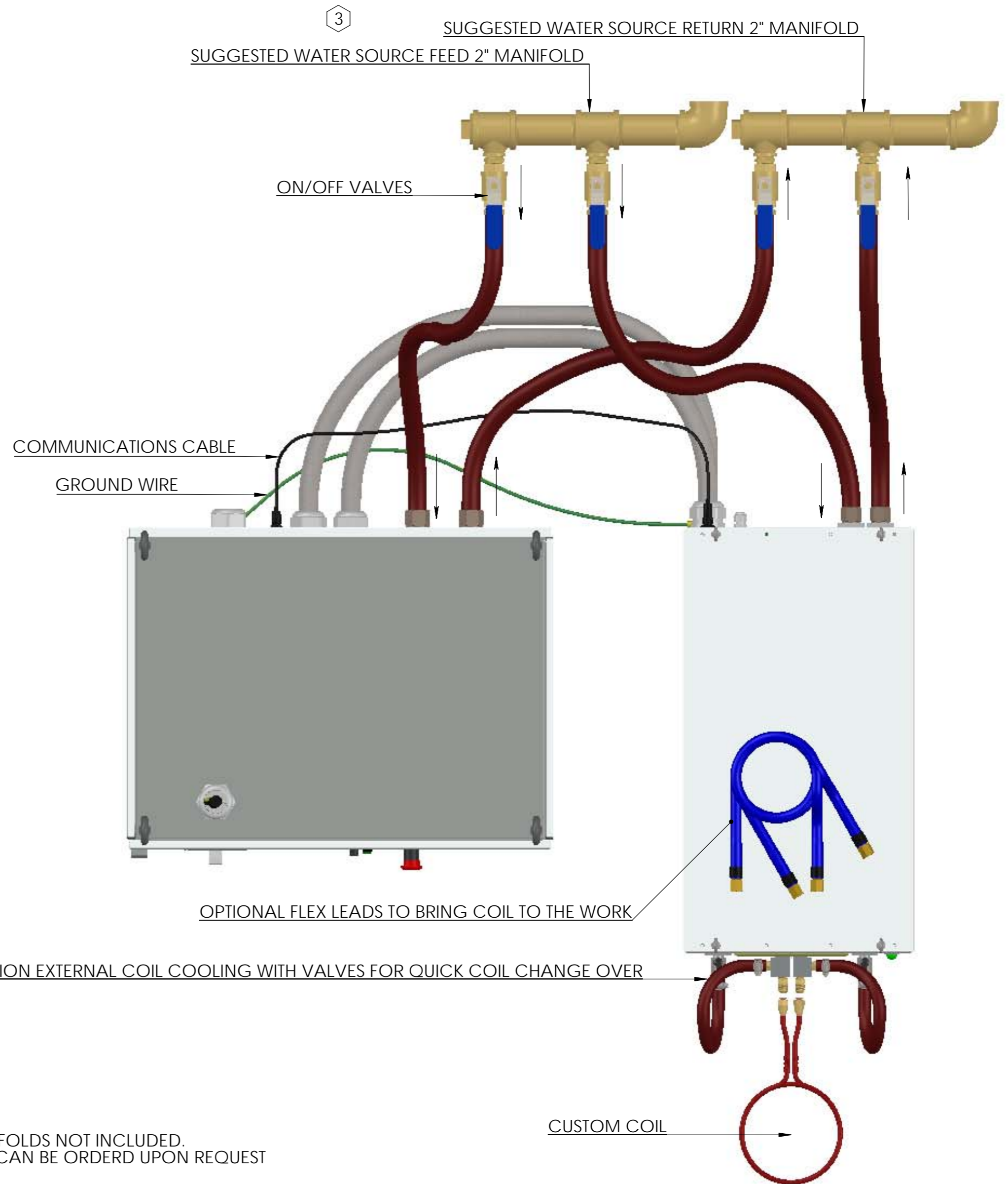
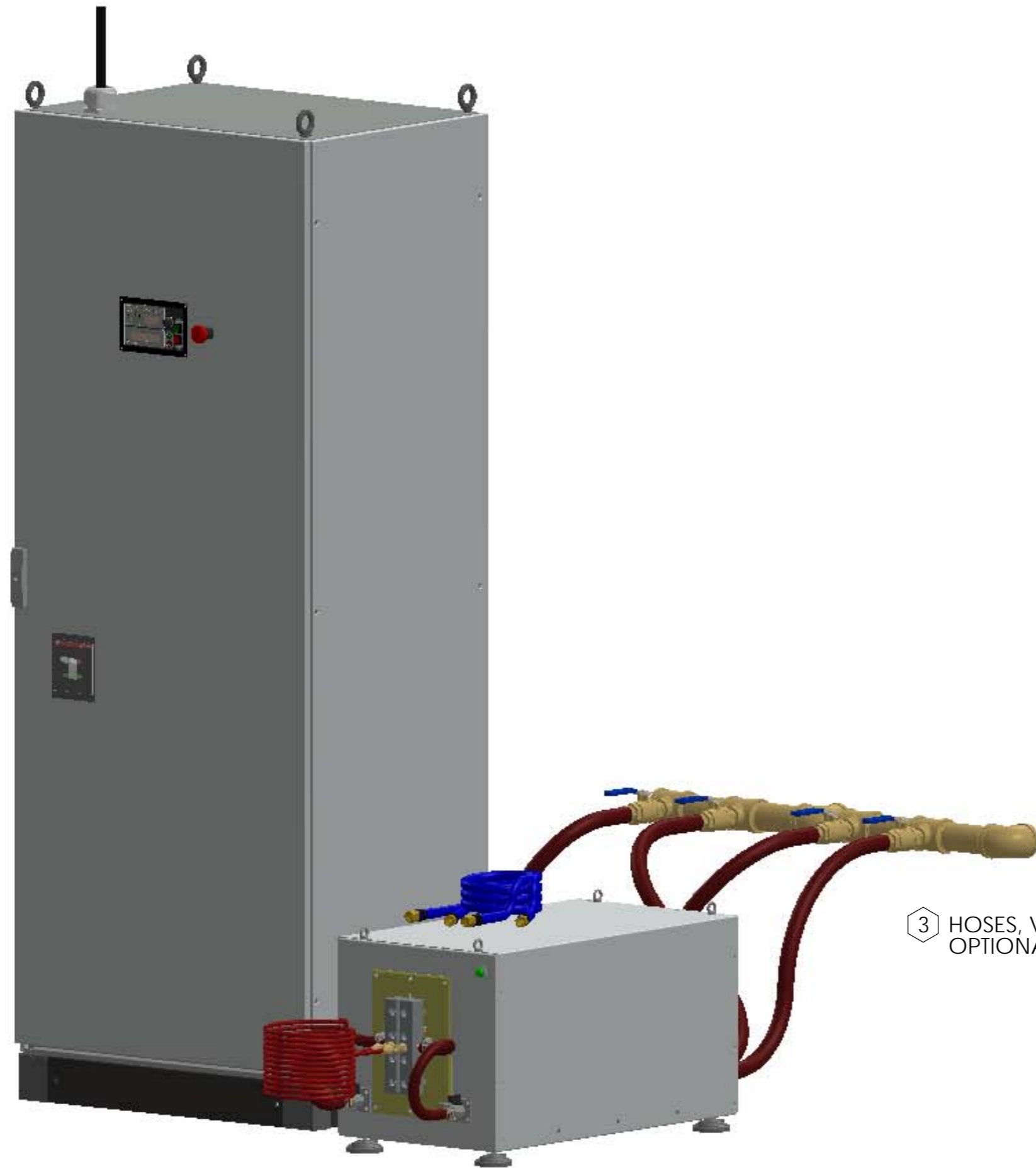
RECOMMENDED PLUMBING OVERVIEW

The following are recommendations for water quality for use with UPT induction Systems to ensure a long service life of the equipment.

As many as 80% of problems with Induction Heating equipment can be traced to water related issues, so maintaining the water system is critical to ensure high reliability. Failure to meet these water guidelines can void the warranty of the equipment. Ultraflex Power Technologies recommends the use of isolated water loops for our Induction Heating equipment. Use of plant water directly in our products can void the warranty. Water to Air, Chillers, and Water to Water systems are available from UPT, please contact your sales associate for more details. Use clean distilled water, if possible. The following are the recommended water quality specifications:

| CLASSIFICATION | RECOMMENDED | MAXIMUM |
|------------------------|----------------------|-------------------------|
| TOTAL HARDNESS (CaCO3) | 15 PPM | 100 PPM |
| TOTAL DISSOLVED SOLIDS | 25 PPM | 200 PPM |
| CONDUCTIVITY | 20-50 MICRO-OHM / CM | <20, >50 MICRO-OHM / CM |
| SUSPENDED SOLIDS | 0-9 PPM | 10 PPM |
| PH ** | 7.0-7.5 | <7.0, >7.5 |

Water conductivity that is too low (e.g. De-ionized Water) is not recommended.
 ** If the pH falls below 4.0 or rises above 9.0, the system should not be used and a system flush/fill should take place as soon as possible.



3 HOSES, VALVES AND MANIFOLDS NOT INCLUDED. OPTIONAL PLUMBING KITS CAN BE ORDERD UPON REQUEST

| | | | | | | | | | | | | |
|------------|---------|--|-----------|---|--|--|----------------------------|------------|-----------|-------------|--------------|---------------|
| COMMENTS: | | | | DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: | | Finish/Treatment ISO 1302-Ra | Tolerances EN 22768/1.2-mH | 0.5-6 ±0.1 | 6-30 ±0.2 | 30-120 ±0.3 | 120-400 ±0.5 | 400-1000 ±0.8 |
| | | | | Part No | | OID-0UFX-530-000-00 | | | | | | |
| | | | | DESCRIPTION: | | OUTLINE & INSTALLATION DRAWING LN-75/50, LN-100/50 | | | | | | |
| 1 | Rev A00 | | 7/20/2016 | | | | | | | | | Size |
| DRAWN: KJF | | | 7/20/2016 | | | | | | | | | A2 |
| CHK'D: | | | 7/20/2016 | | | | | | | | | MATERIAL: |
| APP'VD: | | | | | | | | | | | | WEIGHT: g |
| Q.A: | | | 7/20/2016 | | | | | | | | | SCALE: 1:1 |
| | | | | UltraFlex | | | | | | | | SHEET 3 OF 3 |