

POWER SUPPLY

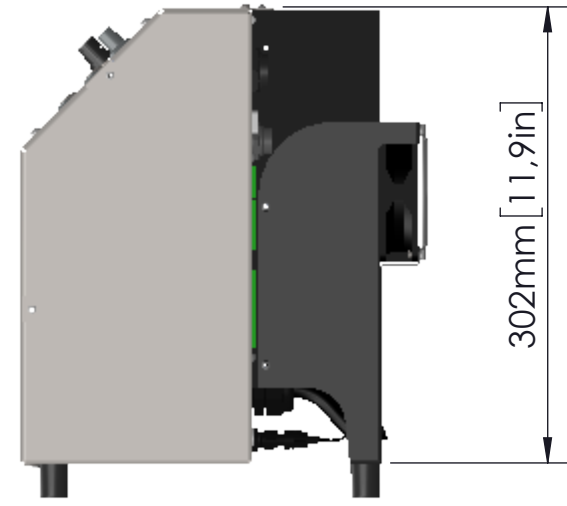
WEIGHT: 14.5kg [32lbs]

OUPT-030-330-00 SM-5/200

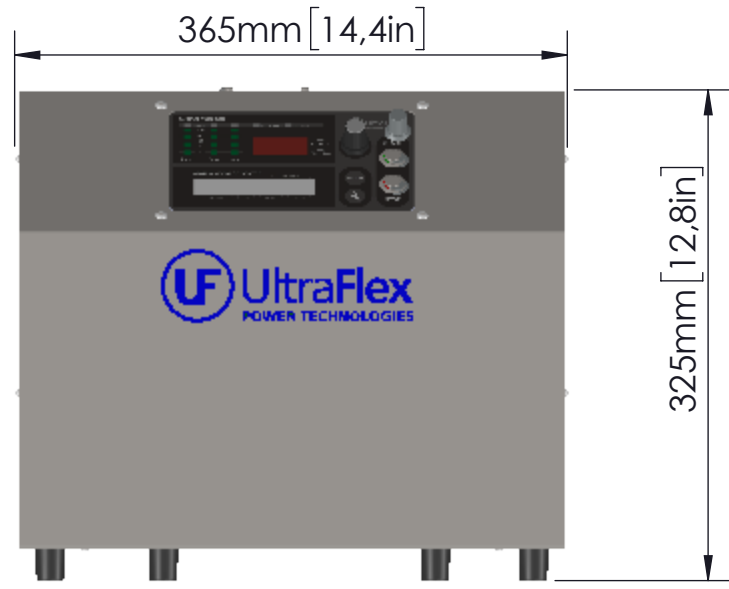
HEAT STATION

WEIGHT: 4kg [8.7lbs] HS-5W
 WEIGHT: 4kg [8.7lbs] HS-4W
 WEIGHT: 6kg [13 lbs] HS-4AN

1ACC-030-150-00 HS-5W
 1ACC-030-160-00 HS-4W
 1ACC-030-200-00 HS-4AN

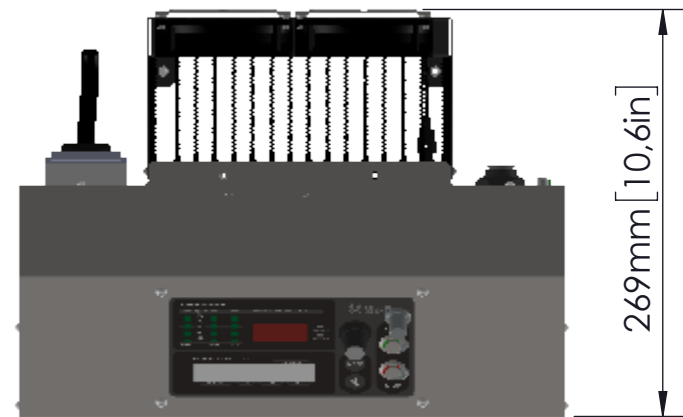


302mm [11.9in]

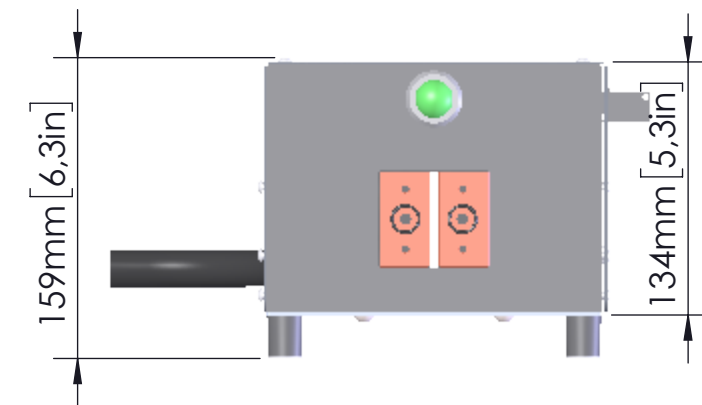
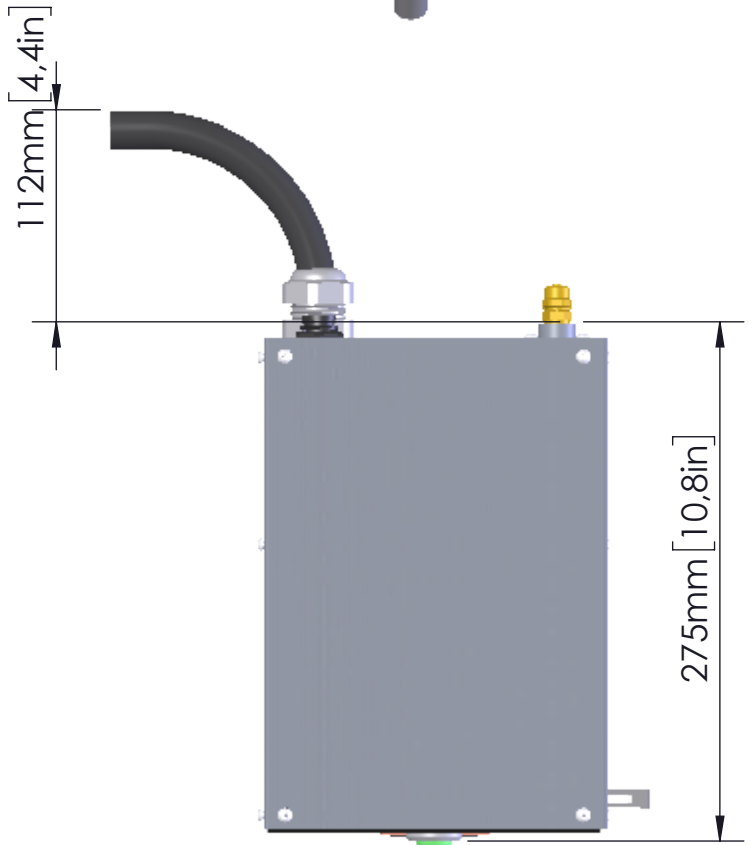
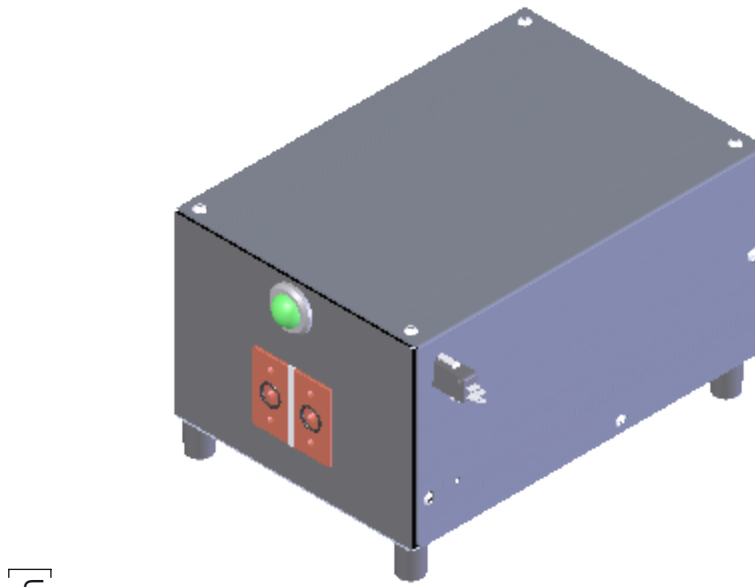


365mm [14.4in]

325mm [12.8in]



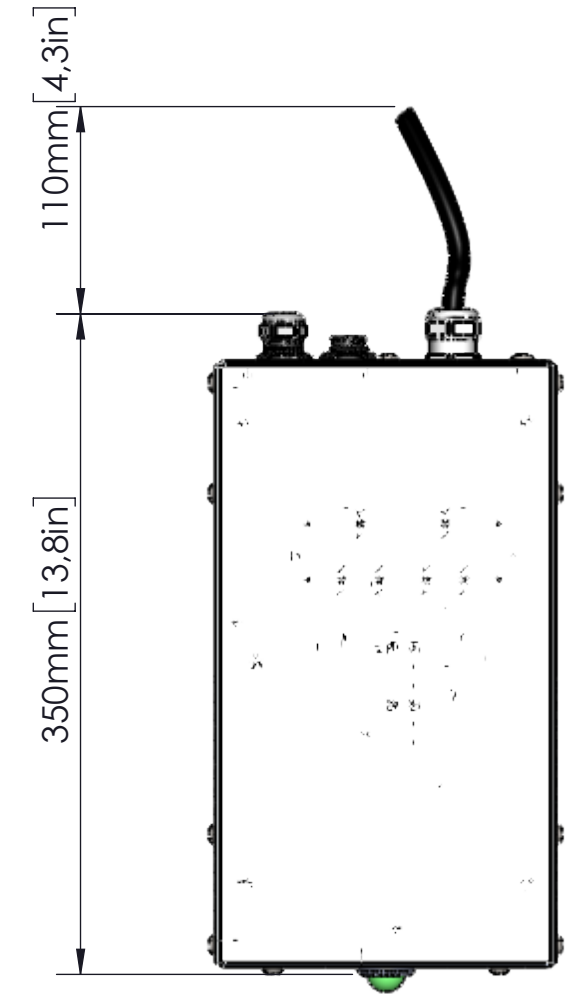
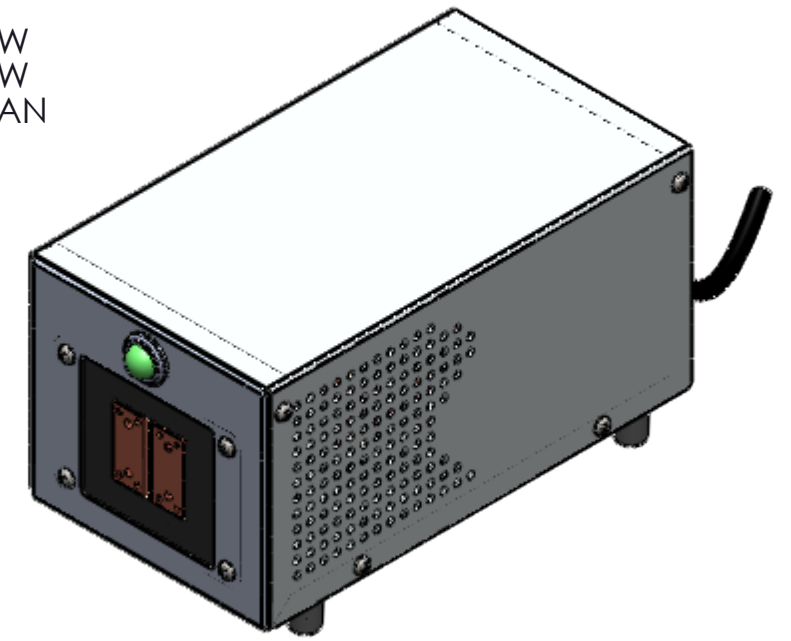
269mm [10.6in]



112mm [4.4in]

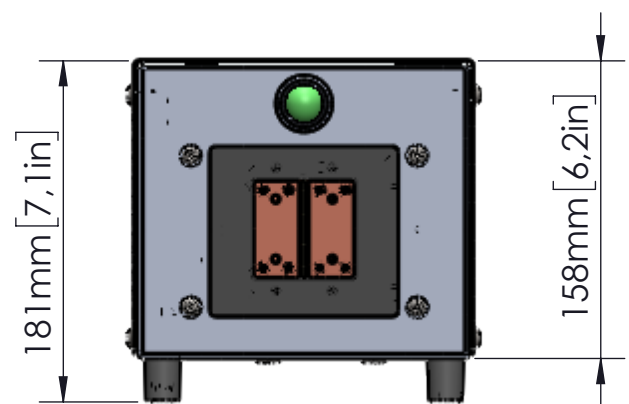
275mm [10.8in]

1ACC-030-150-00 HS-5W
 1ACC-030-160-00 HS-4W



110mm [4.3in]

350mm [13.8in]



181mm [7.1in]

158mm [6.2in]

1ACC-030-200-00 HS-4AN

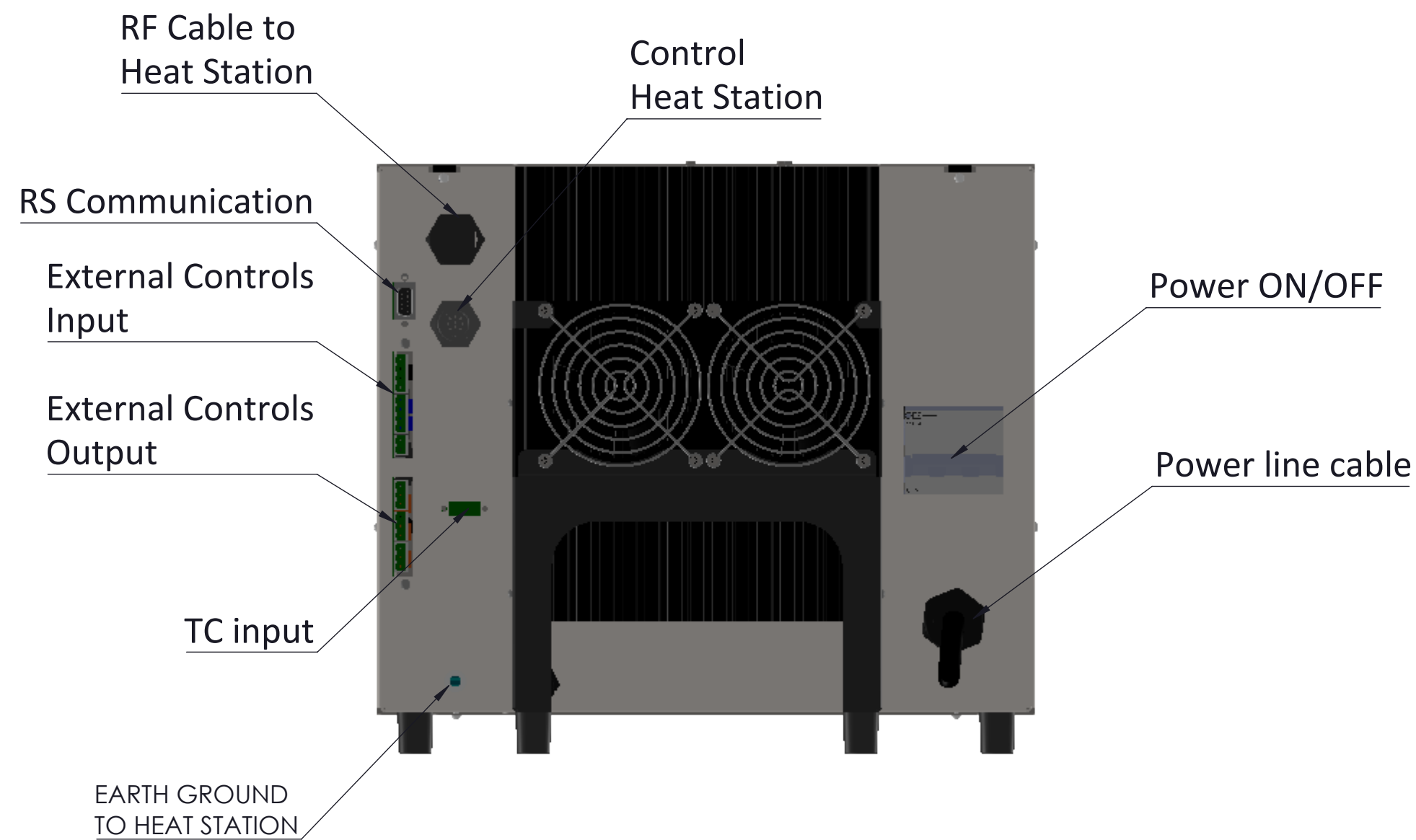
THIS DRAWING IS A QUICK REFERENCE GUIDE FOR INDUCTION HEATING SYSTEMS.
 FOR FURTHER INFORMATION, SEE OPERATION MANUAL OM-OUPT-030-330-00.
 THIS DRAWING SUBJECT TO CHANGE WITHOUT NOTICE.

| | | | | | | | | | | | | | | | | | | | |
|---------------|--|---------|--|-------------------------------|--|--------------------------------|--|-----------------|--|-------|--|-----------|--|--------|--|---------|--|----------|--|
| COMMENTS: A00 | | | | DIMENSIONS ARE IN MILLIMETERS | | Finish/Treatment | | Tolerances | | 0.5-6 | | 6-30 | | 30-120 | | 120-400 | | 400-1000 | |
| | | | | SURFACE FINISH: | | ISO 1302-Ra | | EN 22768/1.2-mH | | ±0.1 | | ±0.2 | | ±0.3 | | ±0.5 | | ±0.8 | |
| | | | | | | Part No | | | | | | | | | | | | | |
| | | | | | | OID-OUPT-030-330-00 | | | | | | | | | | | | | |
| | | | | | | DESCRIPTION: | | | | | | | | | | | | | |
| | | | | | | OUTLINE & INSTALLATION DRAWING | | | | | | | | | | | | | |
| 1 | | Rev A00 | | 2.12.2016 r. | | | | | | | | | | | | | | | |
| | | NAME | | SIGNATURE | | DATE | | | | | | | | | | | | | |
| DRAWN | | HZF | | | | 2.12.2016 r. | | | | | | | | | | | | | |
| CHK'D | | | | | | 2.12.2016 r. | | | | | | | | | | | | | |
| APP'VD | | | | | | | | | | | | | | | | | | | |
| Q.A. | | | | | | 2.12.2016 r. | | | | | | | | | | | | | |
| | | | | MATERIAL: | | | | UltraFlex | | | | WEIGHT: g | | | | Size | | | |
| | | | | | | | | | | | | A2 | | | | | | | |
| | | | | SCALE:1:5 | | | | SHEET 1 OF 3 | | | | | | | | | | | |

POWER SUPPLY



POWER SUPPLY REAR VIEW



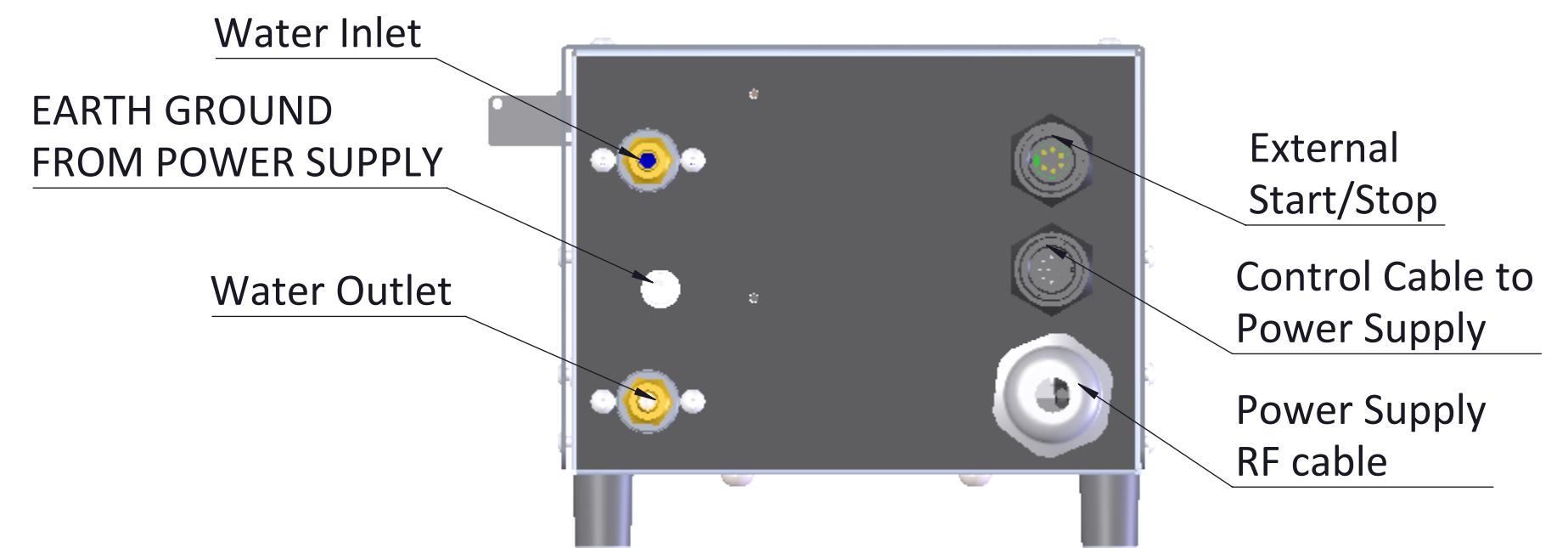
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ELECTRICAL AND COOLING

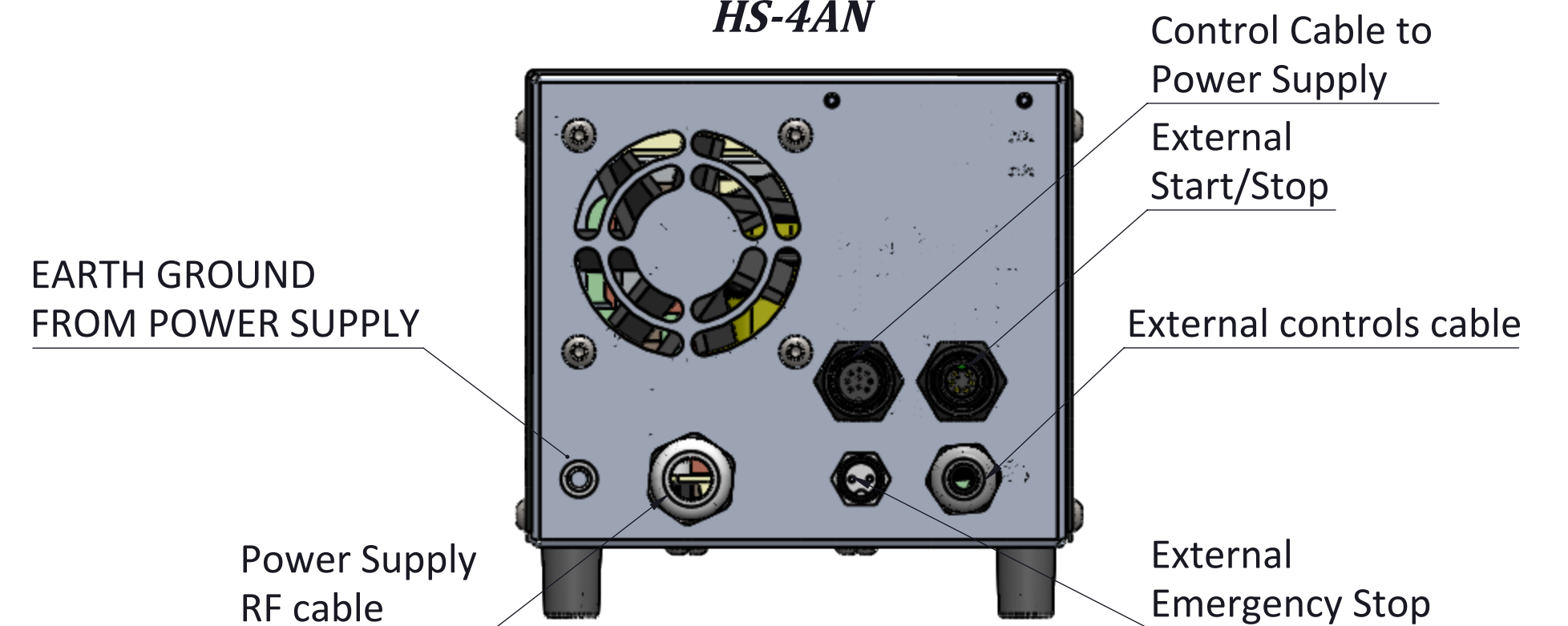
| SPECIFICATION | SM-5/200 | REMARKS |
|-------------------------|----------------------------|---|
| AC VOLATAGE | 230VAC 1 PHASE | ± 10% |
| LINE FREQUENCY | 50/60 Hz | |
| INPUT MAXIMUM CURRENT | 35 A | @230VAC ± 10% |
| INPUT MAXIMUM POWER | 7.7 kVA | @230VAC ± 10% |
| MINIMUM EFFICIENCY | 88% | FULL LOAD |
| POWER SUPPLY COOLING | AIR cooled | Fan vents |
| HEAT STATION COOLING | 2 lpm [0.5 gpm]/AIR cooled | INLET MAX TEMP 95°F (35°C)/Fan vents 3 Bar minimum differential pressure 6 Bar maximum input pressure |
| ADDITIONAL COIL COOLING | APPLICATION DEPENDANT | CONSULT UPT FOR GUIDANCE |

HEAT STATIONS REAR VIEW

HS-4W HS-5W



HS-4AN



| | | | | | | | | | | |
|---------------|---------|-------------------------------|--------------|--|-----------------|--------------|------|------------|---------|----------|
| COMMENTS: A00 | | DIMENSIONS ARE IN MILLIMETERS | | Finish/Treatment | Tolerances | 0.5-6 | 6-30 | 30-120 | 120-400 | 400-1000 |
| | | SURFACE FINISH: | | ISO 1302-Ra | EN 22768/1.2-mH | ±0.1 | ±0.2 | ±0.3 | ±0.5 | ±0.8 |
| | | | | Part No OID-OUPT-030-330-00 | | | | | | |
| | | | | DESCRIPTION: OUTLINE & INSTALLATION DRAWING | | | | | | |
| 1 | Rev A00 | | 2,12,2016 f. | | | | | | | |
| | NAME | SIGNATURE | DATE | | | | | | | |
| DRAWN | HZF | | 2,12,2016 f. | | | | | | | |
| CHK'D | | | 2,12,2016 f. | | | | | | | |
| APP'VD | | | | | | | | | | |
| Q.A | | | 2,12,2016 f. | | | | | | | |
| | | | | MATERIAL: | | WBGHT: g | | Size A2 | | |
| | | | | SCALE:1:5 | | SHEET 2 OF 3 | | | | |



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

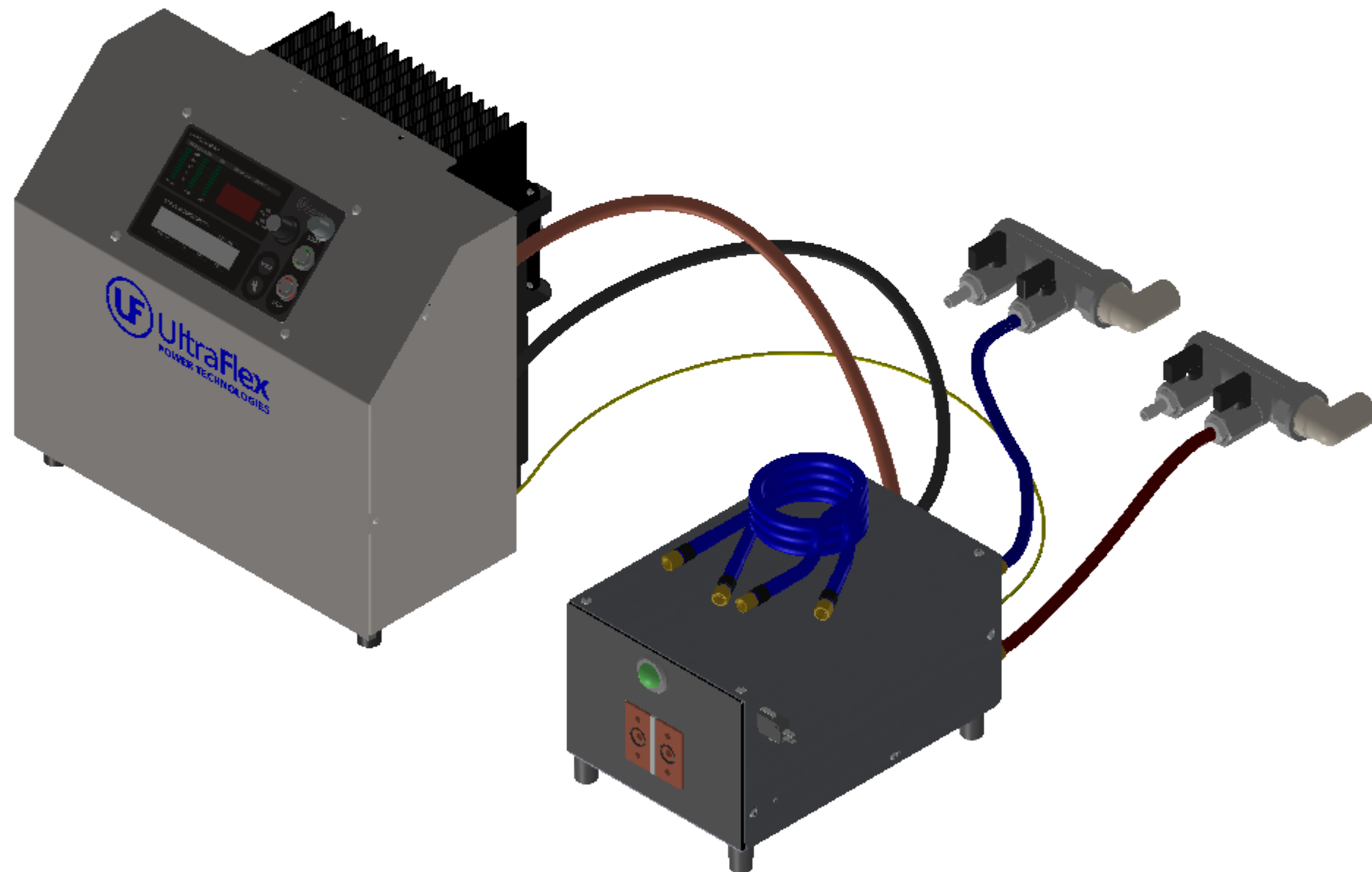
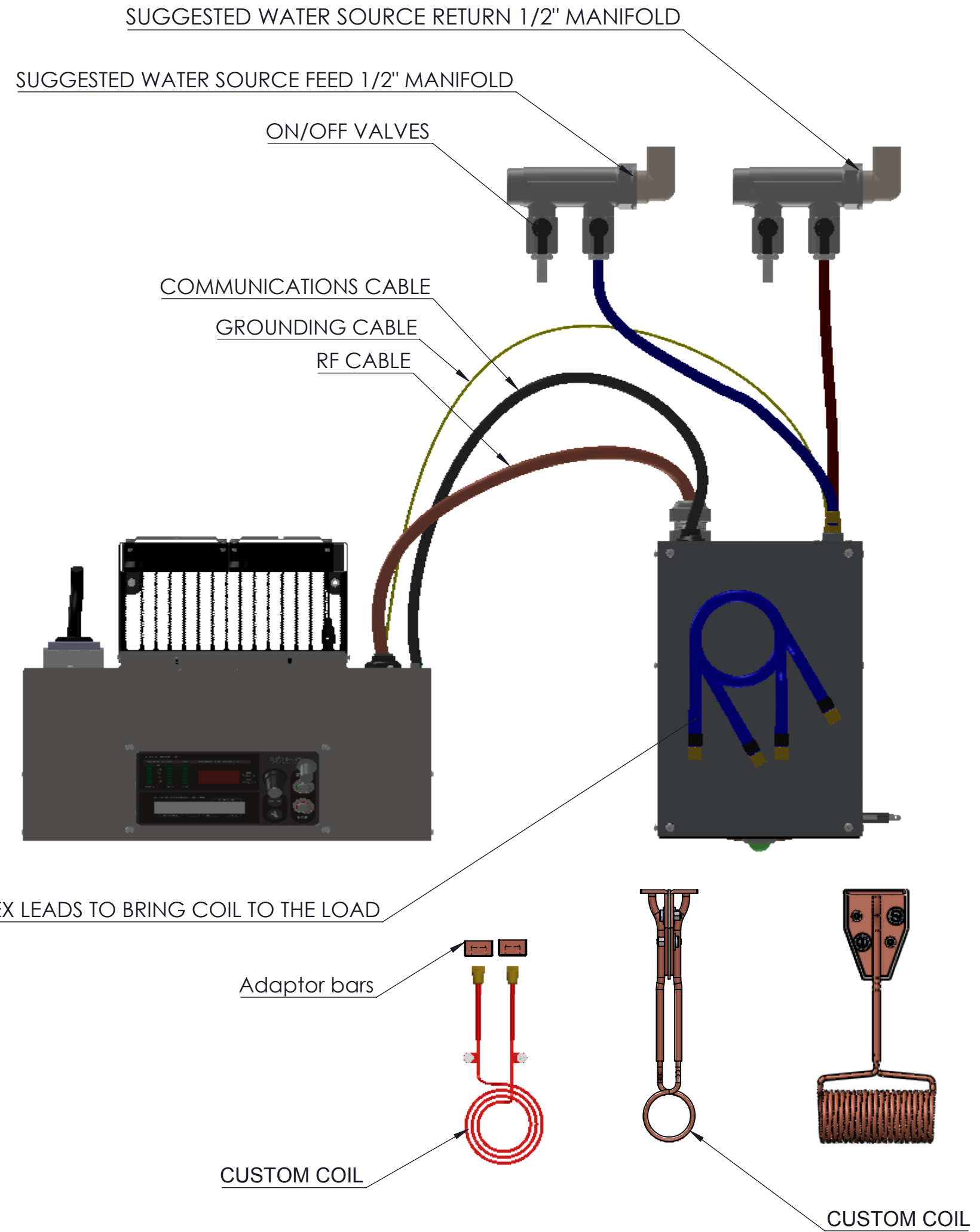
As many as 80% of problems with Induction Heating equipment can be traced to water related issues, so maintaining the water system is critical to ensure high reliability. Failure to meet these water guidelines can void the warranty of the equipment. Ultraflex Power Technologies recommends the use of 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 |

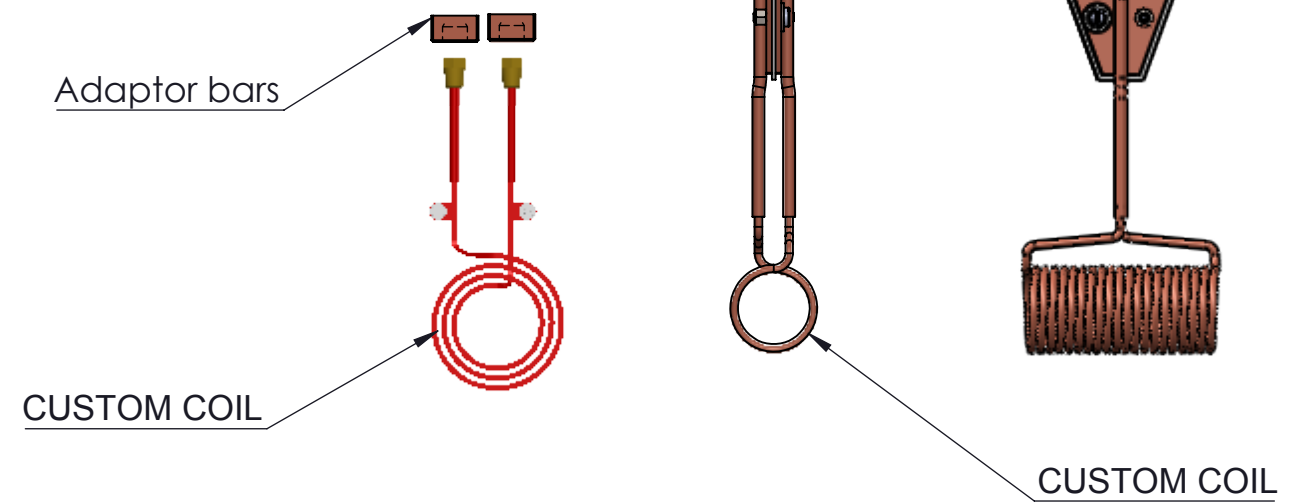
Water conductivity that is too low (e.g. De-ionized Water) is not recommended.
 ** If the pH falls below 4.0 or rises above 9.0, the system should not be used and a system flush/fill should take place as soon as possible.

RECOMMENDED PLUMBING OVERVIEW

For **HS-4AN** NOT needed water cooling



OPTIONAL FLEX LEADS TO BRING COIL TO THE LOAD



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

| | | | | | | | | | | | |
|---------------|---------|-----------|-------------------------------|--|------------------|--------------------------------|-------|------|--------|---------|----------|
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| | | | SURFACE FINISH: | | ISO 1302-Ra | EN 22768/1.2-mH | ±0.1 | ±0.2 | ±0.3 | ±0.5 | ±0.8 |
| | | | | | Part No | OID-0UPT-030-330-00 | | | | | |
| | | | | | DESCRIPTION: | OUTLINE & INSTALLATION DRAWING | | | | | |
| 1 | Rev A00 | | 2.12.2016 r. | | | | | | | | |
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| DRAWN | HZF | | 2.12.2016 r. | | | | | | | | |
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| APP'VD | | | | | | | | | | | |
| Q.A | | | 2.12.2016 r. | | | | | | | | |
| | | | | | MATERIAL: | | | | | | |
| | | | | | SCALE:1:20 | | | | | | |
| | | | | | WEIGHT: g | | | | | | |
| | | | | | SHEET 3 OF 3 | | | | | | |
| | | | | | Size | A2 | | | | | |