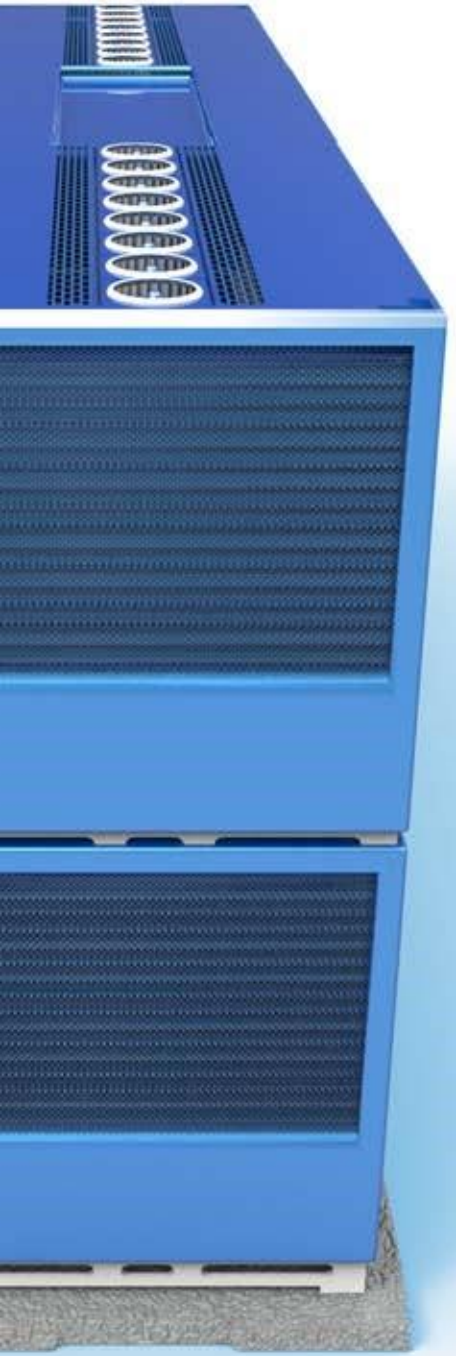

# 2014
# Water Station Layout
## 400.000 liters AWG station

CLEAN
WAVE
PRODUCTS

# WATER STATION MAIN PARAMETERS

| | |
|---|---|
| TOTAL WATER PRODUCTION | : RATED: 400.000 liters/day (30°C/ 80%R.H)<br>MAXIMUM: 546.000 liters/day |
| AWG MACHINE QTY | : 52pcs (10.000 liters/day for each AWG Unit)<br>(detailed parameters for each AWG unit, please see "AWG Unit PARAMETERS") |
| RAW WATER STORAGE TANK | : 48.000 LITERS |
| PURE WATER STORAGE TANK | : 600.000 LITERS |
| TOTAL ENERGY CONSUMPTION | : 10.500 KW |
| FILTRATION SYSTEM CAPACITY | : 800.000 liters/day |
| AREA COVERED | : (L) 132.0m x (W) 83.0M |



# WATER GENERATION FOOTPRINT IS OPTIMAL


CLEAN
WAVE
PRODUCTS
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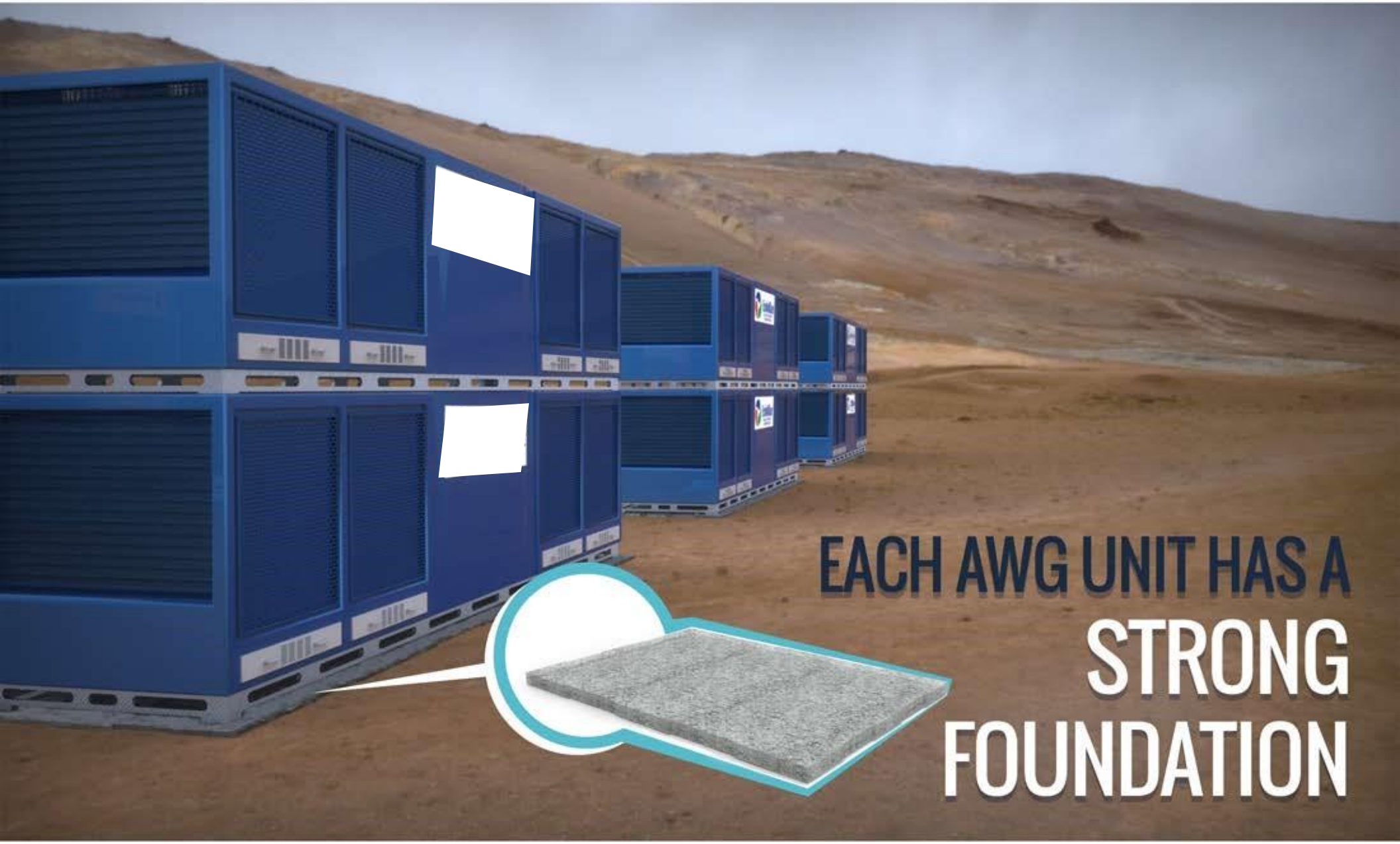
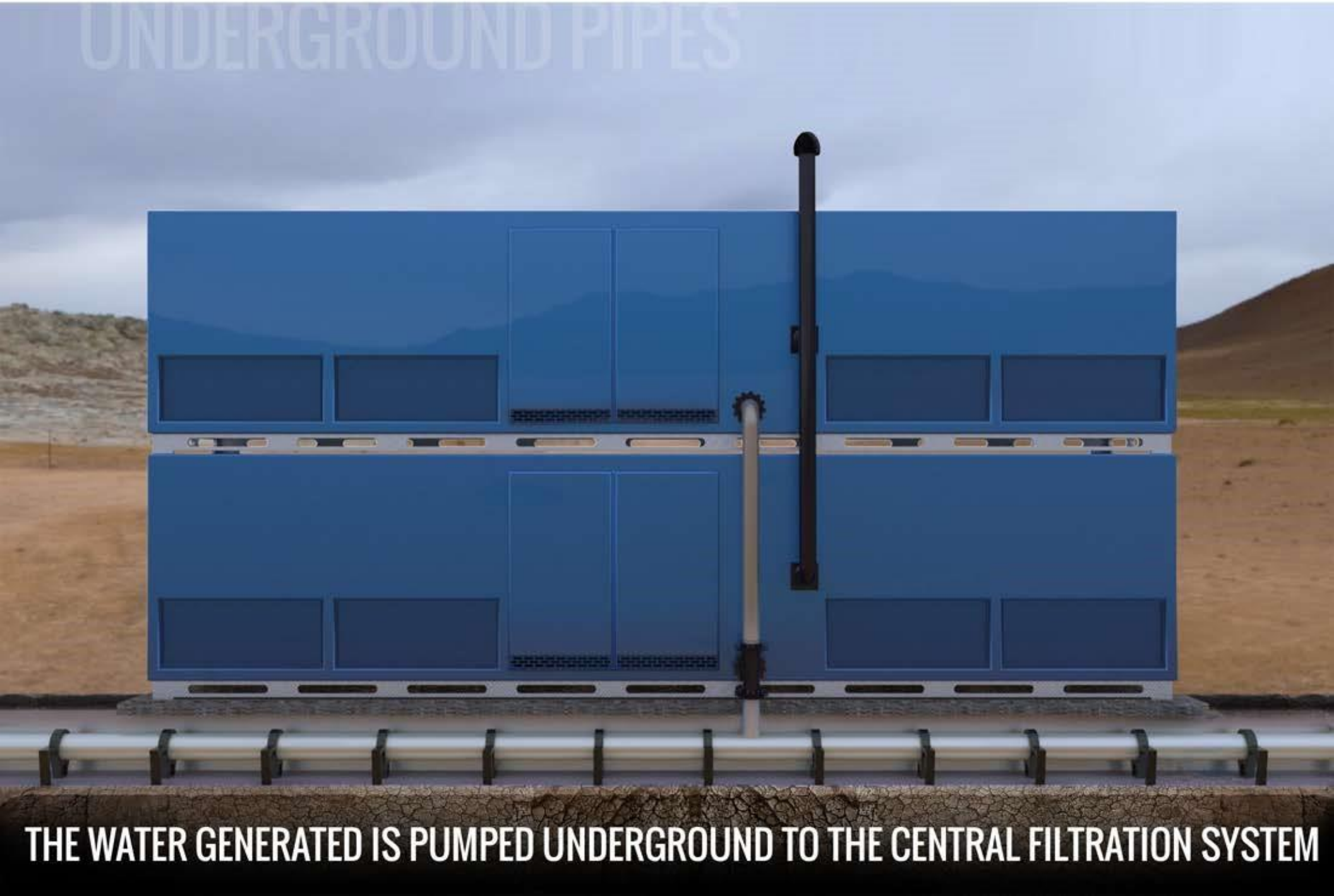
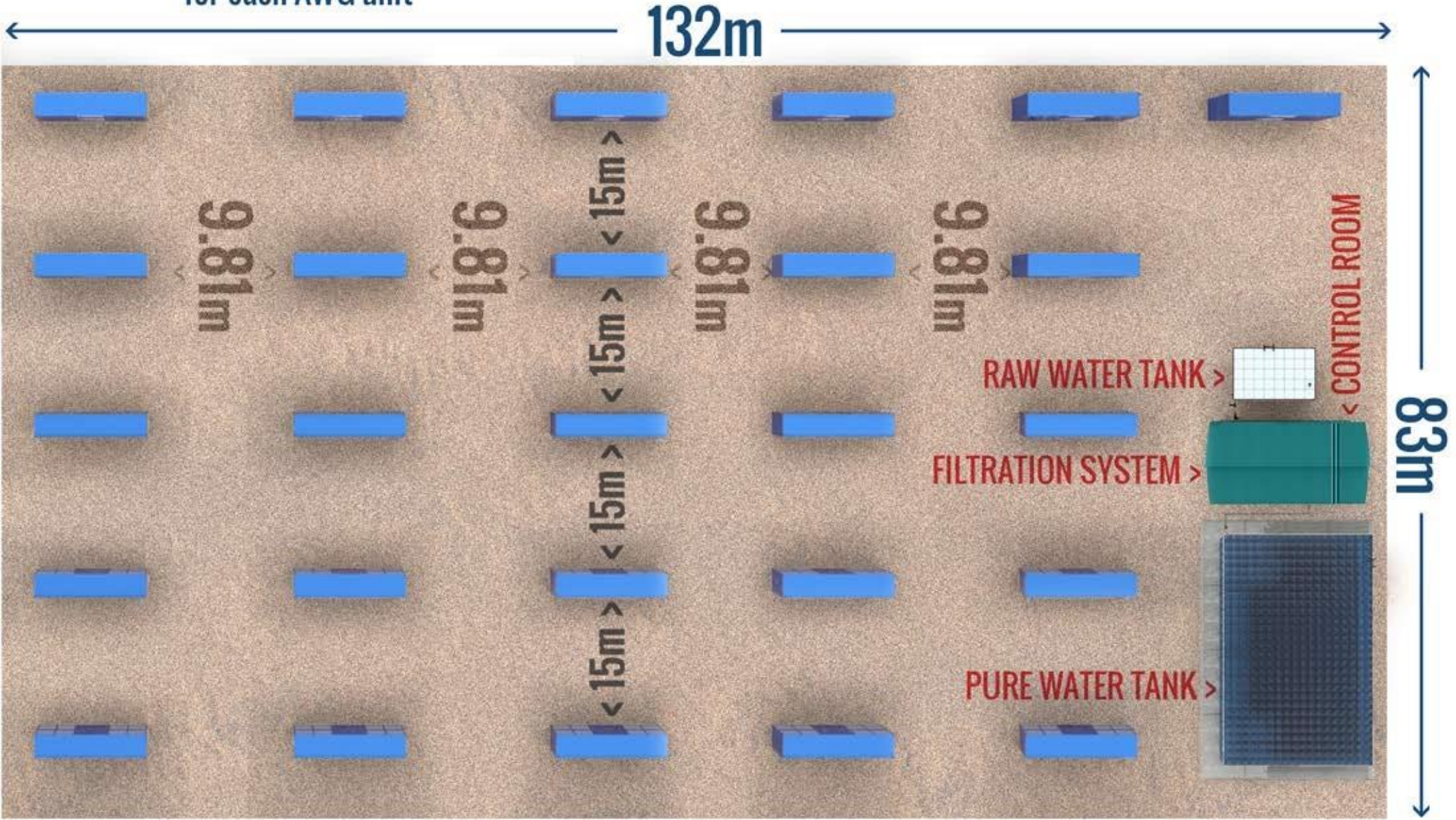

EACH AWG UNIT HAS A
STRONG
FOUNDATION




THE WATER GENERATED IS PUMPED UNDERGROUND TO THE CENTRAL FILTRATION SYSTEM

# 52PCS WATER STATION TOP VIEW

x10.000 LITERS/DAY
for each AWG unit

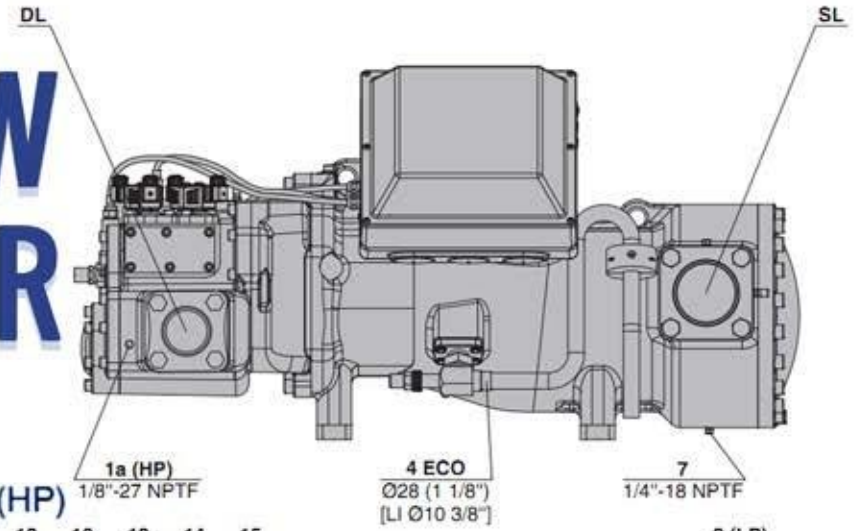


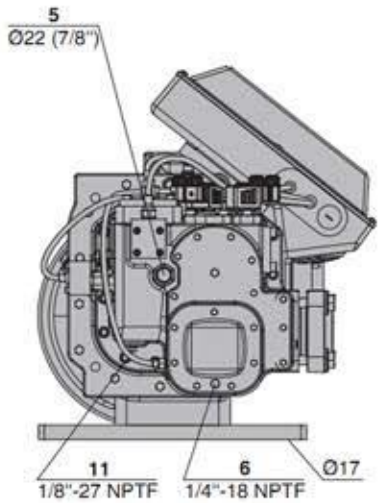

CLEAN
WAVE
PRODUCTS
10000 Parameters.....

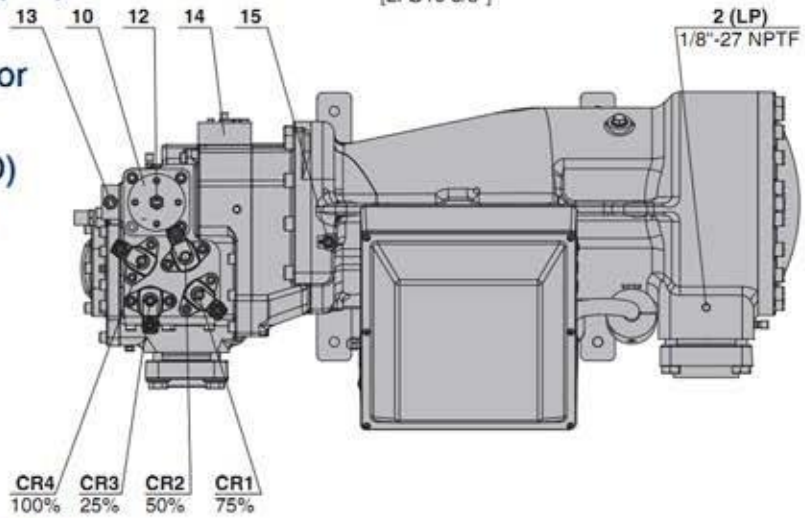
| | |
|---|---|
| PRODUCT PRODUCTION : | 10000 L/DAY ( 30°C / 80%R.H ) |
| POWER SUPPLY : | 3P/380V/50Hz ~ 3P/480V/60Hz |
| RATED INPUT POWER : | 202Kw |
| COMPRESSOR : | BITZER SCREW / 4 per AWG |
| REFRIGERANT : | R407-C |
| WORKING CONDITIONS : | TEMP : 0–60°C / HUMIDITY : 25%-100% |
| NOISE LEVEL : | <80Db |
| SIZE : | L:12.2m * W:2.54m * H:2.90m |
| ENERGY CONSUMPTION : | 0.4167 KW.h / LITER |

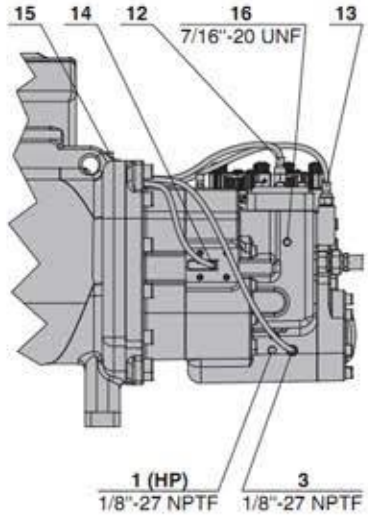
# BITZER SCREW COMPRESSOR

MAIN PARTS FOR AWG UNIT




**1** High pressure connection (HP)
**1a** Additional high pres. connection (HP)
**2** Low pressure connection (LP)
**3** Discharge gas temperature sensor connection (HP)
**4** Connection for economiser (ECO) ECO valve with connecting pipe (option)
**5** Oil injection connection
**6** Oil drain (compressor housing)
**7** Oil drain (motor housing)
**10** Service connection (oil filter)*
**11** Oil drain (oil filter)*
**12** Monitoring rotation direction and oil filter
**13** Oil filter monitoring
**14** Oil flow switch
**15** Screw for grounding of housing
**16** Pressure relief (oil filter chamber)

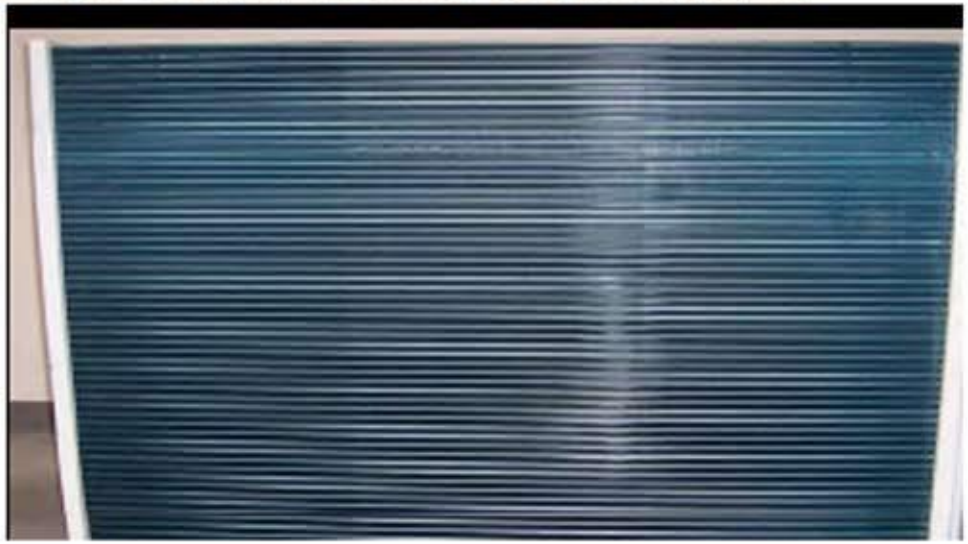
# BITZER SCREW COMPRESSOR

REFRIGERANT R407C

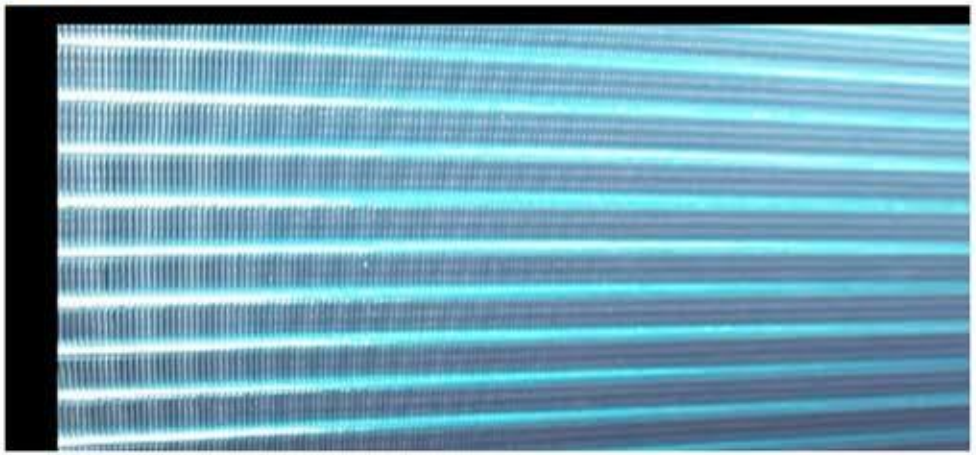
QTY 4 PCS FOR EACH AWG UNIT

MAIN PARTS FOR AWG UNIT

## EVAPORATER and CONDENSER



## FIN

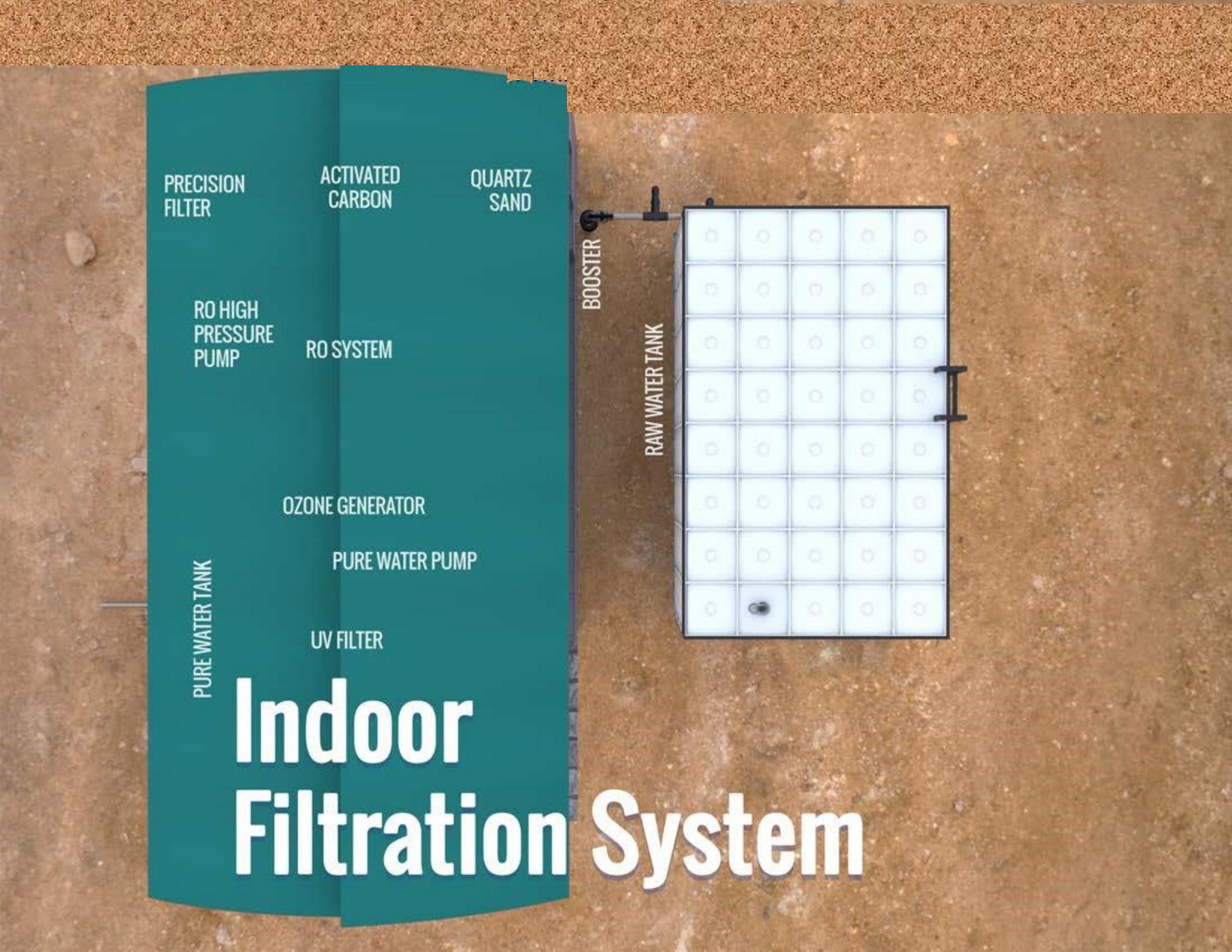


# THE EVAPORATOR AND CONDENSER ARE THE FIN TYPE WITH A SPECIAL PAINTING SUSTAINING ALL THE DIFFERENT ENVIRONMENTAL LOCATIONS

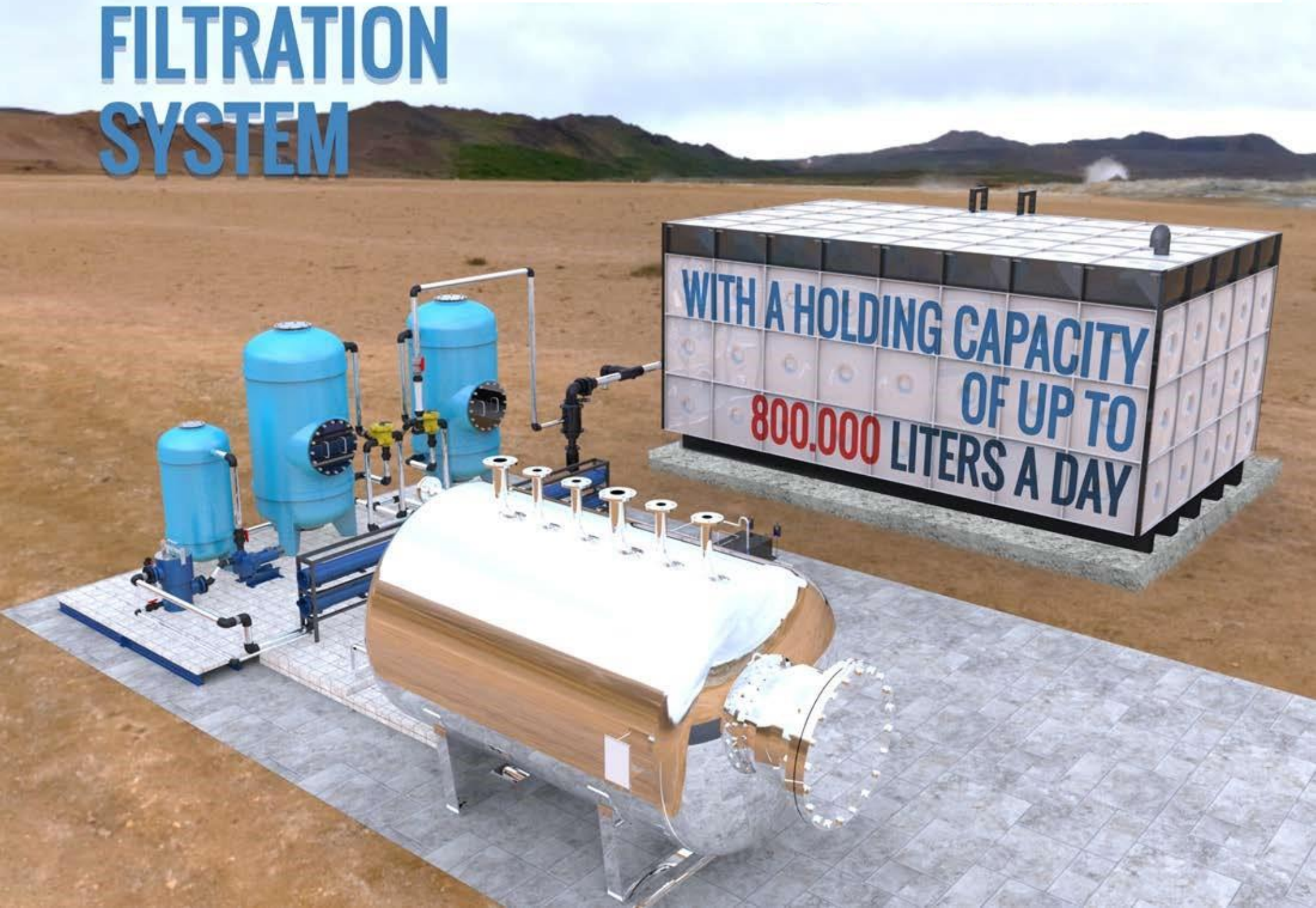
MAIN PARTS FOR AWG UNIT

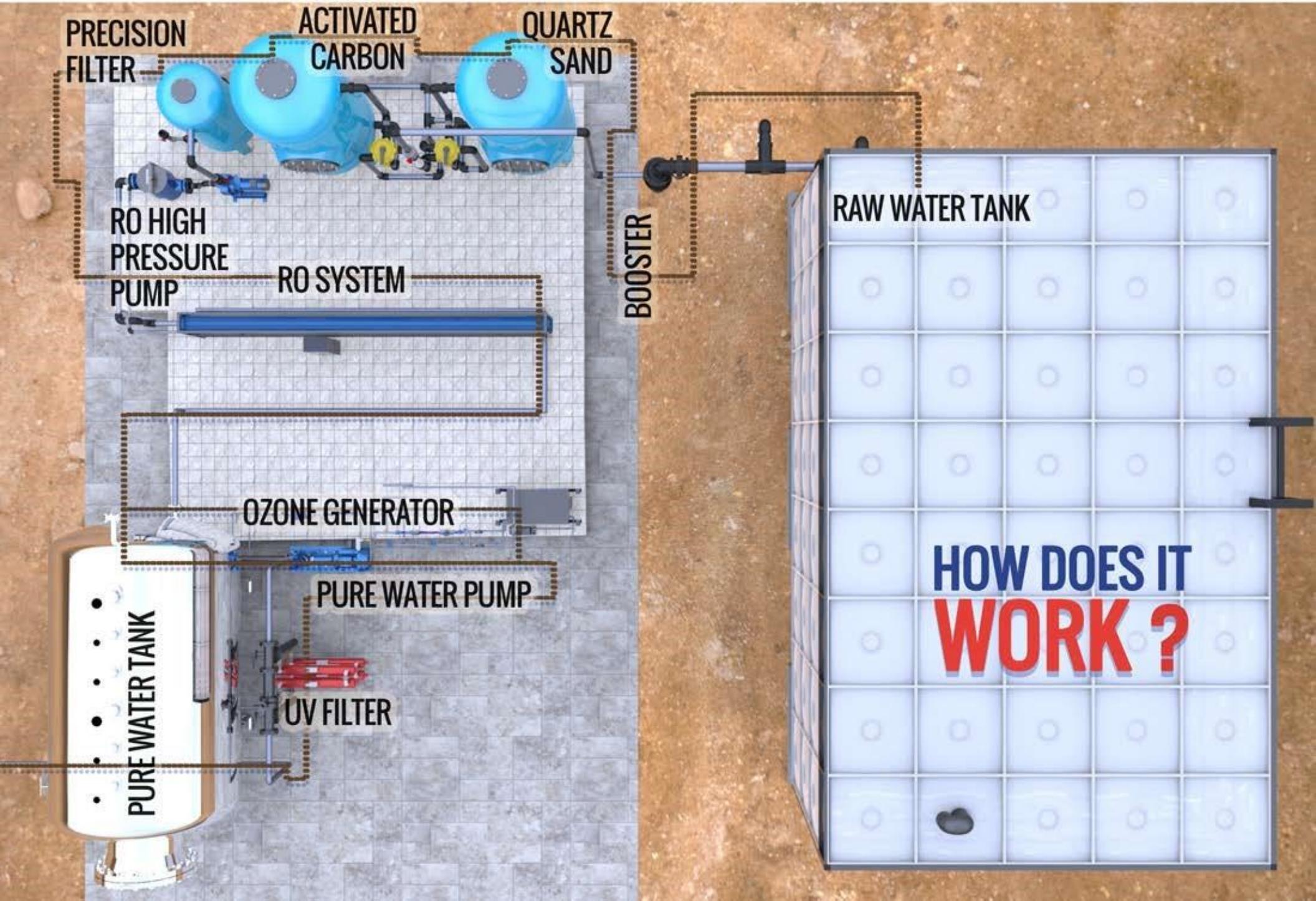
# THE INVERTER FAN MOTOR


THE ABB SWISS BRAND FREQUENCY MOTOR IS ABLE PRODUCING THE OPTIMAL WATER GENERATION CONSUMING LESS ENERGY, DUE TO ITS VARIABLE FAN SPEED


PRECISION FILTER
ACTIVATED CARBON
QUARTZ SAND
RO HIGH PRESSURE PUMP
RO SYSTEM
OZONE GENERATOR
PURE WATER PUMP
PURE WATER TANK
UV FILTER
BOOSTER
RAW WATER TANK
Indoor Filtration System

# FILTRATION SYSTEM

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OZONE GENERATOR
PURE WATER PUMP
PURE WATER TANK
UV FILTER
HOW DOES IT WORK ?

# RAW WATER STORAGE TANK

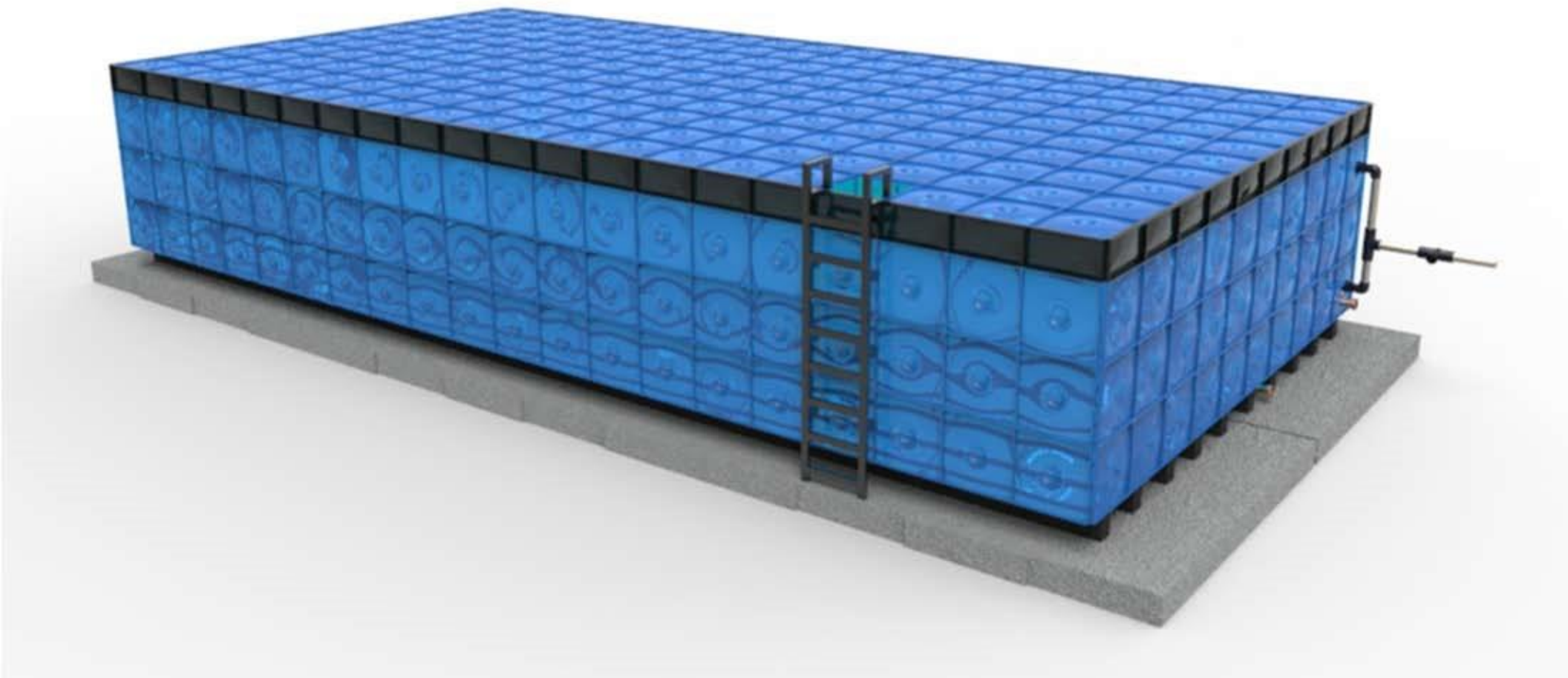
## CAPACITY : 48.000 LITERS

## DIMENSIONS : (L) 8.0M / (W) 3.0M / (H) 2.0M

# PURE WATER STORAGE TANK

## CAPACITY : 600.000 LITERS

## DIMENSIONS : (L) 20.0M / (W) 10M / (H) 3.0M



# ENERGY CONSUMPTION

| | | | |
|---|---|---|---|
| AWG UNIT: | 202 KW - | 52 PCS - | 10.504 KW |
| FILTRATION SYSTEM: | 8.0 KW - | 1 - | 8.0 KW |
| TOTAL: | | | 10.512 KW |

# SANDSTORM PROTECTION FOR AWG UNIT

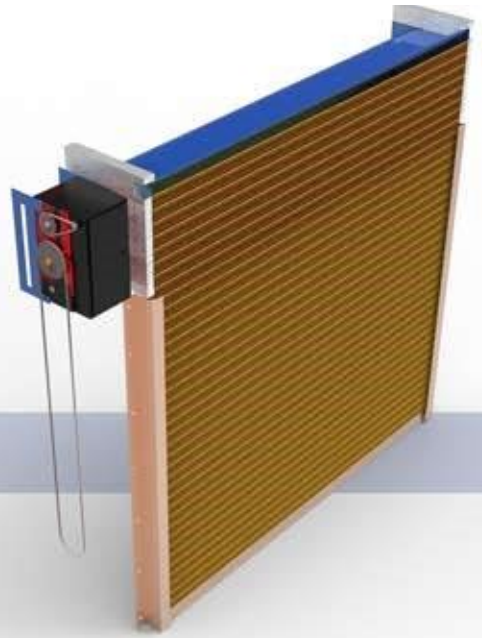
## PROTECTION STRUCTURE PROCEDURE : STANDARD

### THE AWG UNIT CAN BE SEEN AS BELOW

# SANDSTORM PROTECTION FOR AWG UNIT

## PROTECTION STRUCTURE PROCEDURE : STANDARD

WHEN THE PROTECTION IS REQUIRED, THE MOTOR DRIVES THE CANVAS
DOWNWARDS TO PROTECT THE MACHINE
FROM ELEMENTS



# SANDSTORM PROTECTION FOR AWG UNIT

## PROTECTION SYSTEM STRUCTURE :