



HYDROVOLT

AQUA
SHIELD **ACS**

HYDROVOLT

AC5800



WATERMAKER CAPACITY: (at77F/25C)

- Desalination: 800 GPD / 3000 LPD
- Fresh Water RO: 1,200 GPD / 4,500LPD



Transportable
Global
Rapid and easy deployment
Universal voltage (1115V/230V)
Fresh water purification
Salt water desalination



Plug and Purify™
Access Garden Hose
Adapters for IN/PURE
Discharge Water Hoses

FRESH WATER

400-500 PSI

BRACKISH

500-700 PSI

SEA WATER

700-850 PSI



WATERMAKER FEATURES:

- Interface:** Intuitive, easy operations
- Flow Metter:** Digital, gallons/liters
- Pressure Gauge:**
 - 1.)Incoming Flow
 - 2.)RO membrane
- Flush:**
Manual flush as needed, 12V Flush pump included
- Intake Pump:**
Intake pump draws water from 91M (300FT)
- 6 Stage Filtration:**
 - Stage 1: 30 micron disc filter
 - Stage 2: Sediment - Sleeve 10”
(From 5 - 25 micron available)
 - Stage 3: Carbon 10”
 - Stage 4: RO Membrane
 - Stage 5: UV Led
 - Stage 6: Post Carbon & Mineralization filter



RO OPERATION PROCEDURE - PLUG AND PURIFY™

1. Plug in Power source cable
2. Plug in Intake Pump power cable
(if using HydroVolt intake Pump)
3. Insert 3 supplied water hoses into the garden hose connections on the panel (Intake, Discharge, Pure)
4. Turn on unit- press unit “ON” button
(make sure emergency OFF switch is in neutral position)
5. Turn on RO- press RO “ON” button
6. Once source water reaches the unit, the high pressure pump will turn on and purify at set pressure.



POWER REQUIREMENTS:

- External power needed
- Universal 115V/230V switchable
- 4.5 kW, 11 amps at max power usage
- Watts: 2100

Included with AQS800:

- Deployment DX Case with hoses, cables, adapters to operate unit



AQS800

ANSA
technologies

HYDROVOLT

AC5800

SAFETY FEATURES:

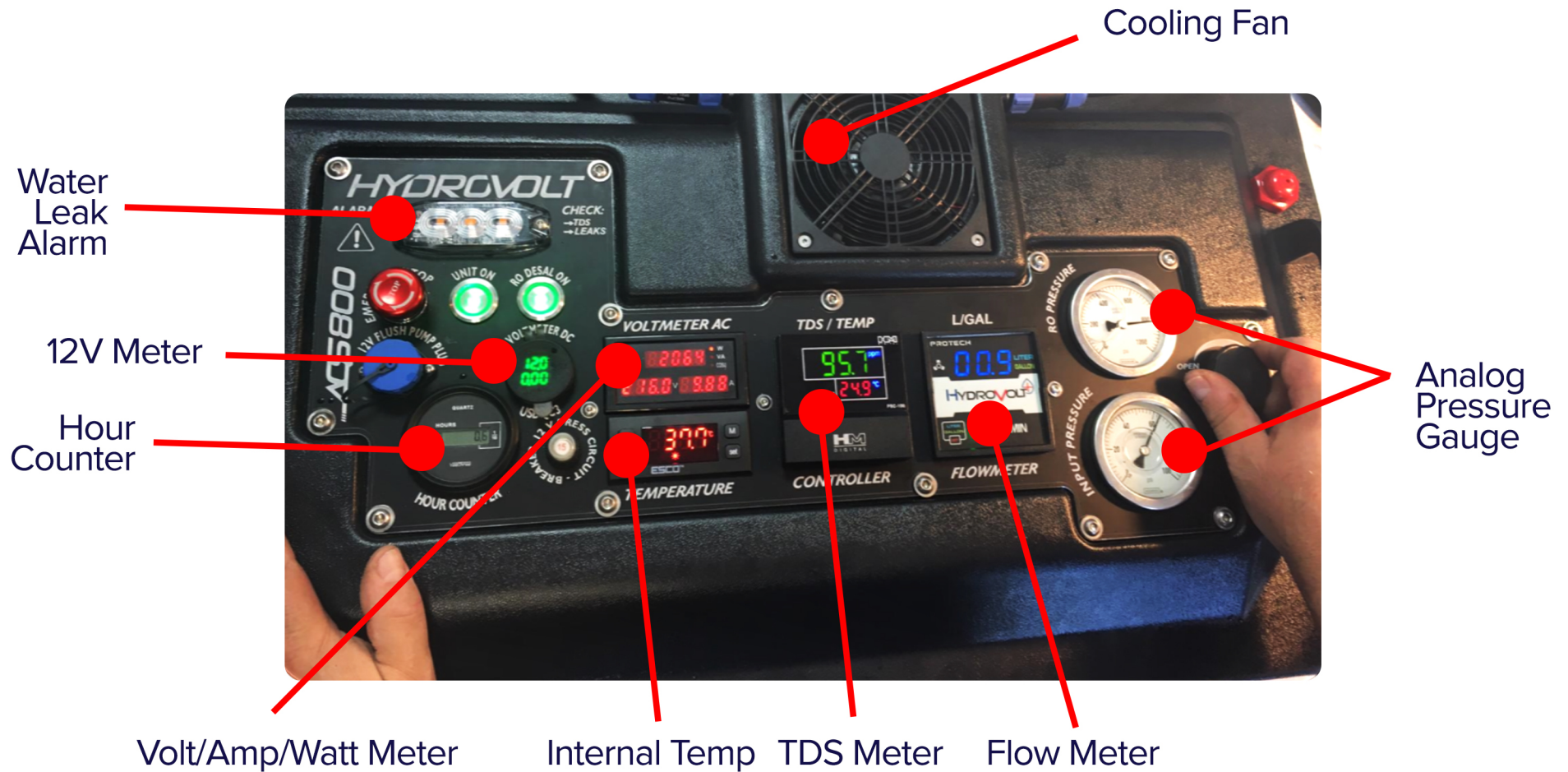
- Leak detector, ALARM will blink when water is detected in the unit
- TDS Water qualityy detector, ALARM will blink when water is above set TDS
- Saftey plug with differential fuse, grounding connector, shock buster
- High Pressure Pump run protection
- 12V all steering/control panel equipment

CONTROL PANEL:

- Emergency Stop
- 12V Flush Pump power plug
- 12V DC Voltmeter and 3QS USB Output Port
- Hour Coutner counts high pressure pump hours in operation for timely oil maintenance
- 115V/230V DC Volt, Amp, Watt meter

- High Pressure Pump Temperature sensor monitors for overheating, fan goes on automatically at set temperature, unit will turn off until High pressure Pump and motor are cooled down
- TDS Controller shows curent water ppm total dissolved solids and temperature of water, if the TDS exceeds set allowable TDS, the ALARM will blink
- Flowmeter shows gallons or liters of RO water produced
- Input Pressure gauge shows the amount of pressure entering the unit, 40-50 PSI is recommended
- RO Pressure gauge shows the working pressure of the high pressure pump
- Manual High Pressure regulator
- 115V/230V power plug
- Intake Pump power plug-INTAKE, DISCHARGE, PURE WATER garden hose connectors

CONTROL PANEL:



AC5800

ANSA
technologies

HYDROVOLT

ACS800

BODY & SPECIFICATIONS:

- Heavy duty, waterproof, dust proof Pelican case with wheels and handles
- Waterproof & buoyant, when cover properly closed, can be dragged behind rescue boat
- Inside two handles, unit easily removable from case
- 32.58" x 18.40" x 11.02" (82.8 x 46.7 x 28 cm)



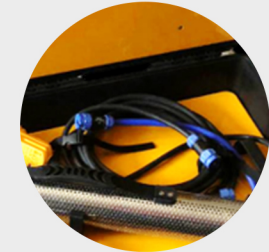
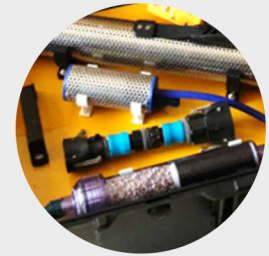
DX CASE: (115/230V OPTIONAL)

1st Layer

- 2 x 10M, 1" white soft hoses with camlock
- 1 x 10M extension cable
- 3 x 5M hoses (Intake, waste, pure) with garden hose attachment

2nd Layer:

- 3x garden hose to CAMLOCK adapters
- 1x universal filter wrench
- 1x power cable with safety shock buster connection 3M
- 1x intake pump (91M/300 FT range) with 5M cable (115/230V optional), 1 "camlock
- 1x flush pump with 1m cable, garden hose connection
- 1x 10" post filter with carbon and mineralization media, garden hose connections



3rd Layer:

MAGNET ATTACHED COVER

- 1x tool box with needed tools, including a wrench and a screwdriver
- 1x filter wrench
- Replacement sediment sleeves
- Replacement carbon in bags
- Refillable water bottles