



Quantum 500 Rack

Whole House Water System

*Exclusive Integrations from
ExMachina Water Systems*

for the family of Aquaria Air to Water Generators

INTEGRATED SYSTEM SPECIFICATION

Power: 120v / 60hz (dedicated 20amp GFI circuit suggested (2)

Electrical consumption: 620 w (5.17 amp) nominal

Power distribution : 120v / 20 amp breaker with surge suppression

(1- standard US plug on 9' signal safe, 12/3 cord set)

Connections: 2-1" NPT, lead free brass (in & out)

Output pressure: variable 25-145 psi maximum

Output volume: 21 gpm

Input: 2500 gallon storage tank (1) minimum recommended / self priming pump (2)

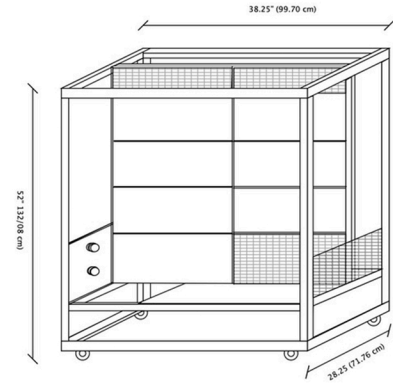
Rack dimensions : 38.25" (99.70 cm) w x 28.25" (71.76 cm) d x 52" (132.08) h, w/casters

Rack material: Powder coated steel (black)

Rack accessories: Casters and leveling jacks

Net weight: 97 lb (43.99 kg)

Shipping weight (crated): 174 lb / 78.92 kg)



INTEGRATED COMPONENTS

PUMP

Grunfo intelligent pump and control

Pressure: Intelligent pump control automatically adjusts operational demand

Pressure (User) adjustable: to 145 psi maximum

Flow rate: 21 gpm maximum

Maximum number of open taps: 8 simultaneously

Motor: Highly efficiency, ECM motor (DC variable speed)

Power: 120v / 60hz

Electrical consumption: 560 watts

Sound: 47 dB (in typical use)

Reliable operation: Dry-running protection, anti-cycling

Long service life: Quality-tested to perfection, maintenance-free

Self priming (3): Suitable for both indoor and outdoor applications

Operating environment: ambient temperature range max 113 F (55 C)

Suction elevation: pumps from a depth of up to 26 feet (8 meters)

Motor mounts: 5/16" bolt, encapsulated, anti-vibration rubber



Quantum 500 Rack

Whole House Water System

*Exclusive Integrations from
ExMachina Water Systems*

for the family of Aquaria Air to Water Generators

CONTROLS / GAUGES

Input Psi: oil dampened pressure gauge

Output Psi: oil dampened pressure gauge

Quantum monitor: digital, lapse use flow meter (five year battery)

Tank sanitizing scheduler: 24hr/365 days program timer (Bluetooth app)

Tank level: ultrasonic tank sensor with visual level, numeric readout and programmable alarms
(8' maximum tank depth)

Pump: User-friendly control panel, LED pressure settings with expert set up mode

WATER PROCESSING

First stage filter: Permanent, 50 micron, self cleaning steel mesh (user adjustable cleaning intervals)

Final stage disinfection: Quantum, zero-energy cartridge (200,000 gallon replacement cycle)

Tank sanitizer: Ozone generator with bubbler stone

WARRANTY

ExMachina: 1 year parts & labor on non-expendables

Grunfo Pump: 1,5 years direct from manufacturer

CERTIFICATIONS

All components employed in the Quantum 500 Rack system conform with lead content requirements for lead free plumbing as defined by the U.S. Safe Drinking Water Act and Certified to ANSI/NSF 372, SWDA and California AB 1953 lead content standards.

FOOTNOTES

- (1) Tank not included
 - (2) reference local electrical codes for wet area compliance
 - (3) installer must initially fill pump priming vessel on set up
-



ExMachina Water Systems, llc
74-4746 Waiha Loop
Kailua-Kona, Hawaii 96740
808-756-3509

