THE FUTURE OF SURFING

AMERICANWAVEMACHINES.COM

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The easiest way to learn to ride a wave on a surfboard or bodyboard

Groups can ride together—up to 4 on the smallest system and 10 on larger systems

Comfortable wipe-outs on a natural cushion of water

Advanced surfing, bodyboarding, and whitewater kayaking

Munich river type standing wave

Suitable for contests

Allows intermediate to advanced surfing on an endlessly peeling wave

Right and left breaking modules supplied

Eliminates the constraint of “ride width” because you are always surfing down the line
THE ULTIMATE SURF MACHINES

AUTHENTIC SURFING EXPERIENCE

- Real surfboards with fins
- Deep cushion of water moving at natural speeds
- Skills that transfer to the ocean and rivers

FULLY ADJUSTABLE

- State of the art programmed controls
- Options include left or right break, barrel, pitching, whitewater, reforming

ANYONE CAN SURF

- Beginners to Pros
- Multiple riders at once
THE FUTURE OF SURFING

Whether for surf parks, waterparks, or cutting-edge research institutions, AWM is driven by an innovation imperative. With a legacy and deep roots in the surfing tradition AWM is committed to developing and producing only the highest quality wave systems. AWM’s product development approach requires flexibility, a seasoned, multi-disciplined team, and frequent use of prototyping to verify analytically derived data. The result: perfect waves and an authentic surfing experience.

AWM founder’s Uncle “Sonny” Charles Wright, the first US national surfing champion, in Mission Beach, CA, 1925, with his 130-pound redwood longboard

AWM Founder and President Bruce McFarland

CFD generated results for AWM proprietary wave pool design
AN INNOVATOR IN ARTIFICIAL WAVE TECHNOLOGY

AWM delivers direct conceptual, design, engineering, supply and installation of every artificial surf technology category. SurfStream® is a technology breakthrough delivering surfing and wave riding capability in a compact space. PerfectSwell™ technology is an entirely new approach to generating large waves with the emphasis on the surfing experience: wave quality, duration, and frequency. With no moving parts in the water, sophisticated computer controls modulate wave shape, ride duration, frequency and energy efficiency.

PATENTS

Scope of work is done so under U.S. Patents, other patents pending 6,019,547; 6,629,803; 6,932,541; 7,326,001; 7,568,859; 7,658,571; 7,815,396; 7,722,291; 8,303,213

224C South Cedros Ave. Solana Beach, CA 92075
858.755.1497
info@americanwavemachines.com
www.americanwavemachines.com
**SURFSTREAM COLOR OPTIONS**

Grey White
RAI 9002

Signal White
RAI 9003

Pure White
RAI 9010

Ivory
RAI 1014

Light Ivory
RAI 1015

Sand Yellow
RAI 1002

Signal Yellow
RAI 1003

Lemon Yellow
RAI 1012

Sulfur Yellow
RAI 1018

Traffic Yellow
RAI 1023

Pastel Yellow
RAI 1034

Traffic Orange
RAI 2009

Deep Orange
RAI 2011

Vermilion
RAI 2002

Flame Red
RAI 3000

Strawberry Red
RAI 3018

Ruby Red
RAI 3003

Red Lilac
RAI 4001

Heather Violet
RAI 4003

Blue Lilac
RAI 4005

Telemagenta
RAI 4010

Ochre Brown
RAI 8001

Copper Brown
RAI 8004

Orange Brown
RAI 8023

Ral Design
RAI 220 80 20

Azure Blue
RAI 5009

Gentian Blue
RAI 5019

Light Blue
RAI 5012

Cobalt Blue
RAI 5013

Sky Blue
RAI 5015

Traffic Blue
RAI 5017

Night Blue
RAI 5022

Turquoise Blue
RAI 5018

Water Blue
RAI 5021

Light Green
RAI 6007

Mint Turquoise
RAI 6033

Leaf Green
RAI 6002

Grass Green
RAI 6010

Turquoise Green
RAI 6016

Yellow Green
RAI 6018

Pastel Green
RAI 6019

Pale Green
RAI 6021

Signal Green
RAI 6032

Ral Design
RAI 110 80 40

Concrete Grey
RAI 7023

Pebble Grey
RAI 7032

Silver Grey
RAI 7001

Jet Black
RAI 9005

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**Light Effects with LEDs**

**Unlimited Fiberglass Color Options**
Monochrome or Mix and Match
SURFSTREAM GEAR

Whether your venue is in Manhattan Beach, California or Manhattan, Kansas, let your customers be immersed in the surf with the full range of AWM custom surf equipment and watch your revenue go through the roof!

SURFBOARDS

Standard 4’11” Black Ball Beater

AWM Custom Epoxy Thruster

Chopstick Mullet Neutron

AWM Custom Shapes

BODYBOARDS

HELMETS

RASHGUARDS
SERVICES & EQUIPMENT SUPPLY SCOPE

SURFSTREAM® SERVICES INCLUDED

Electronic Format Schematic Plans for:
- SurfStream® Vessel and Pump Station Design
- SurfStream® Equipment Installation Details
- SurfStream® Operations and Maintenance Manual

Installation and Commissioning Supervision for 4 weeks

SURFSTREAM® EQUIPMENT SUPPLY INCLUDED

AWM shall supply Customer with the following Product Deliverables:

Submersible Pumps. All power standards available as an option.

Pump control system including variable frequency drives NEMA 4 Type 12 enclosure, Emergency Stop station, wall mount and Combined Remote Operators Station (ROS) with Emergency Stop, wall mount.

Patented modular high gloss molded fiberglass for surf channel and wave inserts. Choice of colors from approved color chart.

- 304 stainless steel pump support tubes.
- 304 stainless steel sump splitter plates and cones.
- 304 stainless steel pump chamber lids with cable exits.

Patented adjustable tank discharge aperture, 304 stainless steel and fiberglass.

- 304 stainless steel support framing for molded FRP wave generator channel.

Grating: Virginia Graeme Baker Act compliant I-4010 pultruded grating.

Exit floor grating fiberglass support kit.

Heavy Duty exit drain matting covering exit grating.

Tank chamber discharge grating and installation brackets.

- 18–8 stainless steel assembly hardware, bolts, lock nuts, washers, screws.
- 316 hardware on removable items. Patented quick release hardware.

Ten AWM approved soft surfboards and twenty AWM approved soft bodyboards supplied with Customer logos. Two custom hand-shaped pro surfboards.

Four LED lights and power supply.
SCOPE PROVIDED BY LOCAL POOL BUILDER NOT INCLUDED

The Product Deliverables shall not include, and Customer is solely responsible for paying and contracting for, the following:

- Construction of pool | vessel including filtration, water treatment, circulation, drainage, lighting, and water (the “Pool | Vessel Facility”).
- Theming, dressings, railings, lighting (beyond supplied items), fencing, signage, furniture, walkways, and barriers. Painting, padding, or coating outside of SurfStream®.
- Pump install and removal equipment after initial installation.
- Electrical service and power distribution from mains to SurfStream® Control Panel.
- World Wide Web access in control room.
- Approved GFI power for installation, lighting, and events at the SurfStream® location
- Access for handling equipment such as crane, fork lift.
- Any building permits, fees, bonds, licenses, taxes, and submissions as required by local authorities, soils reports and surveying.
- Storage of equipment on site beyond freight forwarders limit for possession of the shipping containers after arrival.
### SurfStream Models

**Surf Training Wave**

<table>
<thead>
<tr>
<th>Channel Width</th>
<th>Model SS3512</th>
<th>Model SS4016</th>
<th>Model SS4020</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 ft</td>
<td>16 ft</td>
<td>20 ft</td>
<td></td>
</tr>
<tr>
<td>3.7 m</td>
<td>4.9 m</td>
<td>6.1 m</td>
<td></td>
</tr>
</tbody>
</table>

**Standing Wave**

<table>
<thead>
<tr>
<th>Power HP</th>
<th>Model SS3512</th>
<th>Model SS4016</th>
<th>Model SS4020</th>
</tr>
</thead>
<tbody>
<tr>
<td>320</td>
<td>540</td>
<td>550</td>
<td></td>
</tr>
<tr>
<td>480</td>
<td>540</td>
<td>600</td>
<td></td>
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</tbody>
</table>

**Wave Types**

<table>
<thead>
<tr>
<th>Training Wave</th>
<th>Model SS3512</th>
<th>Model SS4016</th>
<th>Model SS4020</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.5 ft</td>
<td>2.5 ft</td>
<td>2.5 ft</td>
<td></td>
</tr>
<tr>
<td>.76 m</td>
<td>.76 m</td>
<td>.76 m</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>6</td>
<td>8</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Standing Wave</th>
<th>Model SS3512</th>
<th>Model SS4016</th>
<th>Model SS4020</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.5 ft</td>
<td>3.5 ft</td>
<td>3.5 ft</td>
<td></td>
</tr>
<tr>
<td>1.1 m</td>
<td>1.1 m</td>
<td>1.1 m</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>3</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Barrel Left or Right</th>
<th>Model SS3512</th>
<th>Model SS4016</th>
<th>Model SS4020</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.5 ft</td>
<td>4.5 ft</td>
<td>3.5 ft</td>
<td></td>
</tr>
<tr>
<td>1.1 m</td>
<td>1.2 m</td>
<td>1.1 m</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

*POWER COST CALCULATED AT $0.10 USD | KWhR*

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SurfStream® and PerfectSwell™ technology protected by US Patents 6,019,547; 6,629,803; 6,932,541; 7,326,001; 7,568,859; 7,658,571; 7,815,396; 7,722,291; 8,303,213 with other US and international patents pending.
From surf lessons on the training wave to full-scale surf exhibitions or contests on the barreling wave, create the ultimate surf destination with these high-power models.

**SPECS**

**CHANNEL WIDTH**
- **MODEL SS5024**: 24 ft | 7.3 m
- **MODEL SS6032**: 32 ft | 9.8 m

**OVERALL FOOTPRINT**
- **MODEL SS5024**: 36 x 75 ft | 11 x 22.9 m
- **MODEL SS6032**: 40 x 80 ft | 12.2 x 24.4 m

**MAX. HOURLY POWER COST**
- **MODEL SS5024**: $55
- **MODEL SS6032**: $65

**POWER HP**
- **MODEL SS5024**: 640
- **MODEL SS6032**: 1000

**WAVE TYPES**

**TRAINING WAVE**
- **MODEL SS5024**: 2.5 ft | .76 m | 10
- **MODEL SS6032**: 2.5 ft | .76 m | 12

**STANDING WAVE**
- **MODEL SS5024**: 3.5 ft | 1.1 m | 5
- **MODEL SS6032**: 3.5 ft | 1.1 m | 6

**BARREL LEFT OR RIGHT**
- **MODEL SS5024**: 5 ft | 1.4 m | 1
- **MODEL SS6032**: 6 ft | 1.8 m | 1

*POWER COST CALCULATED AT $0.10 USD/KWHR*