

INTRODUCING THE AQUA4D F-A SKID



GAME-CHANGING OPTIMIZED IRRIGATION

Innovative.
Efficient.
Water-smart.

SWISS TECHNOLOGY 



AQUA4D
WATER SOLUTIONS

GAME CHANGER:

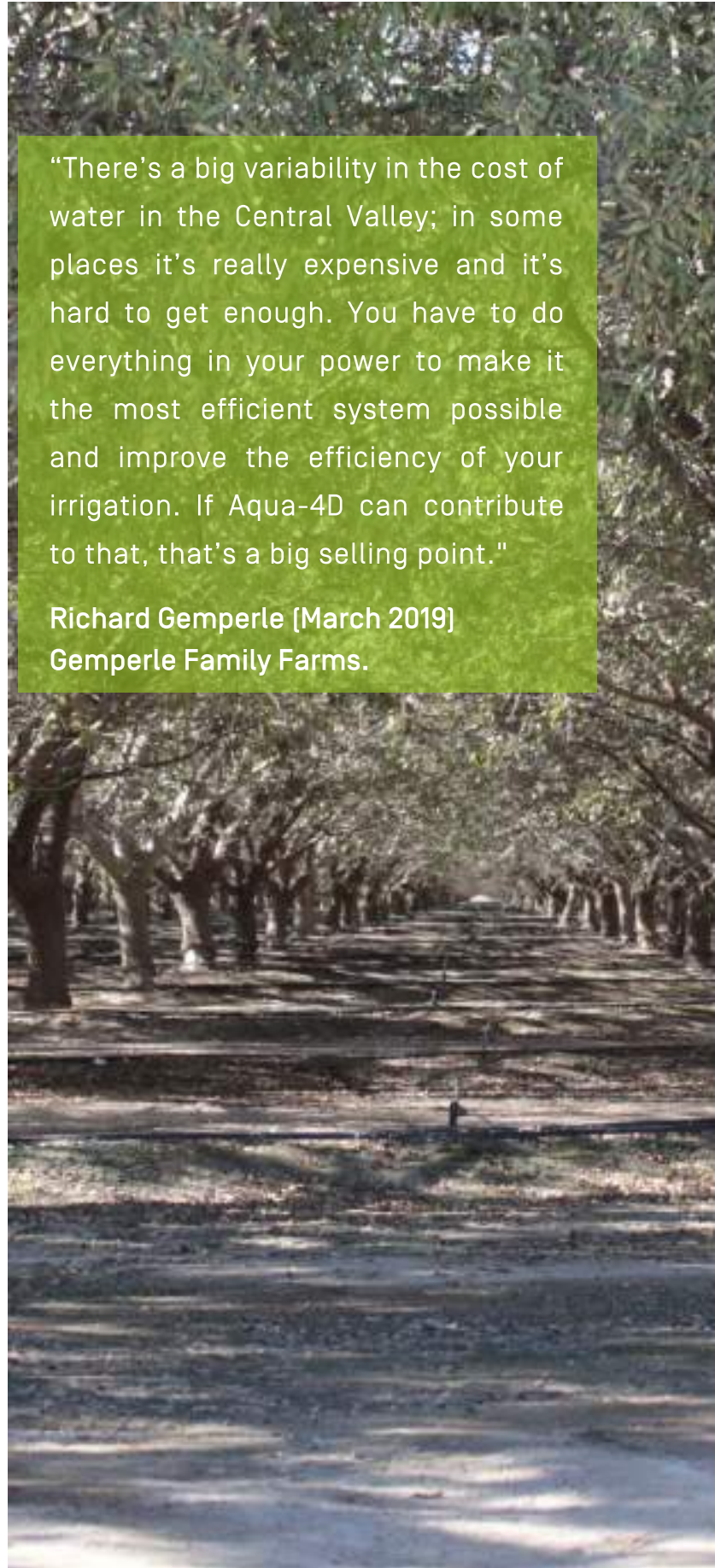
NEW PLUG & PLAY SOLUTION: THE AQUA4D SKID

Aqua4D is excited to announce the release of its first plug & play skid series. In challenging conditions such as those in California's Central Valley, skids are the most efficient solution. The first one was installed on a 300-acre almond orchard in Turlock, especially adapted for the flow-rates used in almond crop irrigation.

Installation in the field is made easy. While the core modules of the technology are manufactured at the headquarters in Switzerland, final assembly and skid production is being established in California. The units come with additional features like Remote Alarm Control, and are fully tested before shipping to sites.

"There's a big variability in the cost of water in the Central Valley; in some places it's really expensive and it's hard to get enough. You have to do everything in your power to make it the most efficient system possible and improve the efficiency of your irrigation. If Aqua-4D can contribute to that, that's a big selling point."

Richard Gemperle [March 2019]
Gemperle Family Farms.



THE NEW OPTION FOR WATER-SMART OPTIMIZED GROWING

The technology simultaneously increases both soil moisture and sap flow in the trees, which enables better plant performance and water savings. With huge beneficial impacts on productivity, profits, and resources, this is truly a game-changing solution.

The resulting increased almond yields mean that investment in Aqua4D technology can even replace investing in new developments, bringing about significant production increases on existing fields.

The skids are offered in different sizes, from 760 to 3043 US gpm, with other sizes available on demand. They are designed for either indoor or outdoor installation, and for easy connection to either mains electricity or solar power.



THE GAME -
CHANGER

6

INSTALLATIONS RUNNING ON CALIFORNIAN ALMOND ORCHARDS

These installations are using various Ag 4.0 measurements to monitor exact growth, area cover and the healthy development of trees, as well as soil moisture, sap flow and yields.

Detailed results and reports are available on request.



ALMOND ORCHARDS





8 TO 32 TREATMENT UNITS - TU360

Ready-made system

This ready-made system gives Aqua4D full quality control: it's built in controlled conditions, and FAT (Factory Acceptance Testing) is completed before shipping, thus vastly reducing on-site installation time at the destination. All the customer needs to do is connect the skid to the irrigation network and plug it into the power supply.

Easy to move

The skid is built to offer maximum flexibility - it is totally mobile and can be easily moved at the end of crop cycles, or from one crop to another.

Monitored and protected installation

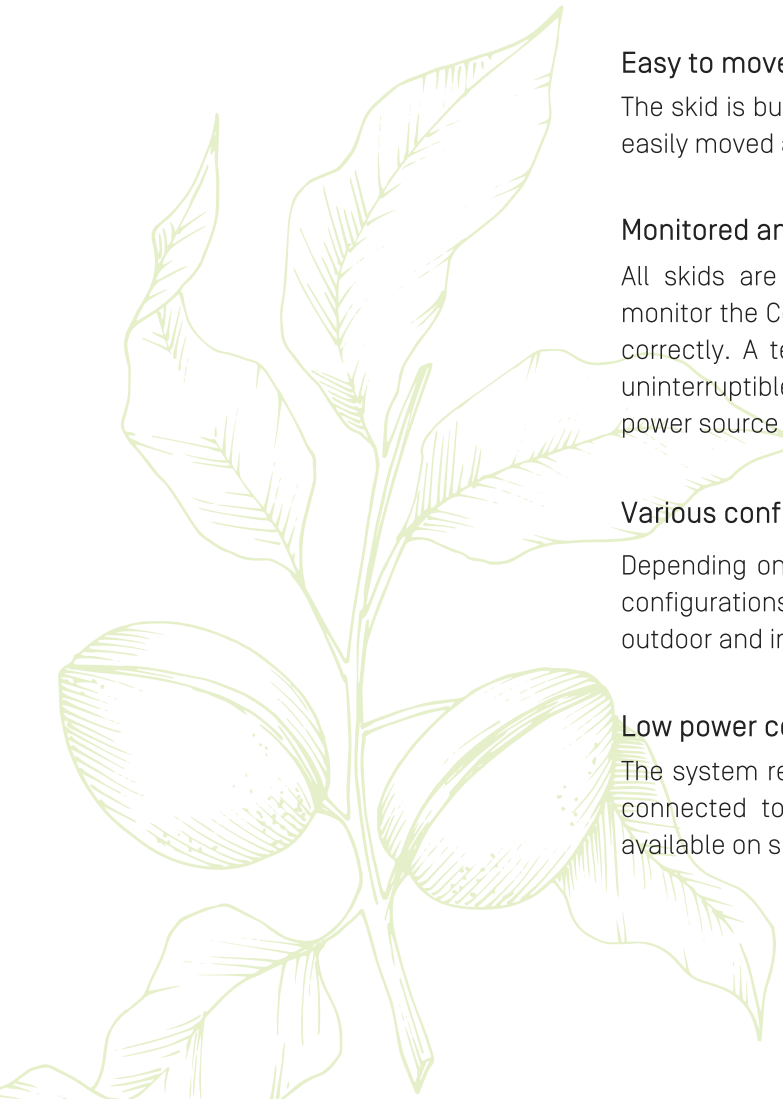
All skids are equipped with a Remote Alarm Controller (RAC). The RAC monitors the Command F-Pro modules and checks that everything is working correctly. A text message is sent if a problem occurs in the system. An uninterruptible power supply (UPS) is also integrated, ensuring a steady power source and protection against surges on the power network.

Various configurations

Depending on the required flow rate, the system is available in 7 different configurations going from 760 to 3043 US gpm. The skid also comes in both outdoor and indoor versions.

Low power consumption

The system requires only a small amount of power to run and can also be connected to an offgrid solar installation if there is no power network available on site.



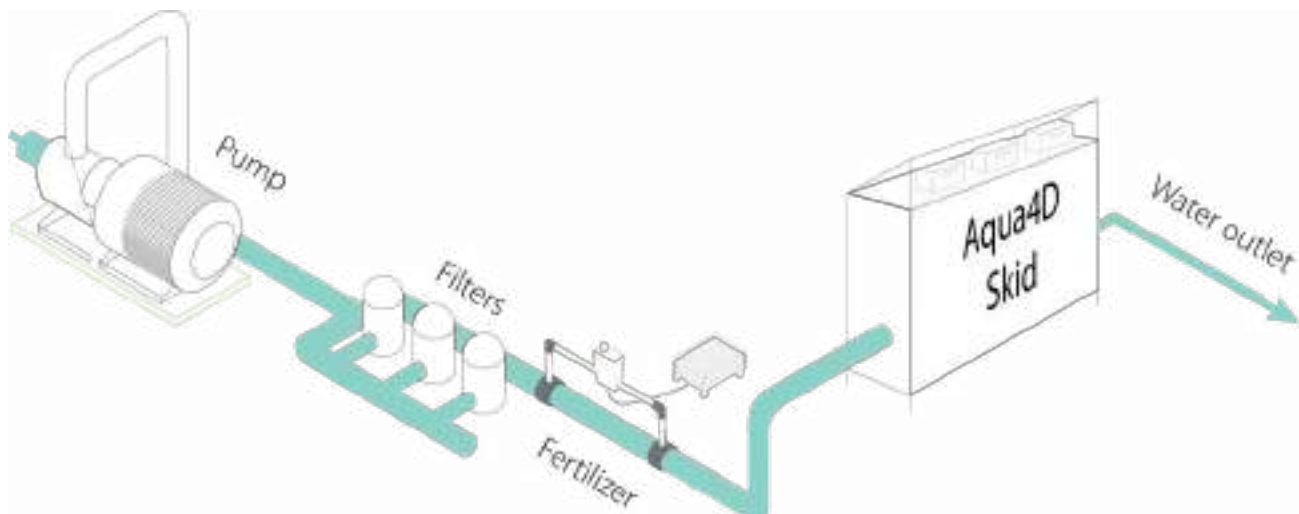
Configurations

Treatment units (TU360)	8	12	16	20	24	28	32
Max flow rate US gpm	760	1137	1516	1896	2275	2654	3043
Max flow rate gpm	633	950	1267	1584	1900	2217	2534
Max flow rate m ³ /h	172	259	345	432	518	604	691

Specifications

Chassis	Skid 8	Skid 12	Skid 16	Skid 20	Skid 24	Skid 28	Skid 32
Treatment Units (TU360)	8	12	16	20	24	28	32
Power Supply	100 - 240 VAC / 50 - 60 Hz						
Max power (W)	55	80	105	130	155	180	205
Max water flow (US gpm)	760	1137	1516	1896	2275	2654	3043
Max water temp	140 °F (60°C) @ 4 bars						
Max water pressure	232 psi [16 bars]						
Max air temp	113° (F/45°C)						
Weight (when empty)	595 lbs (270 kg)	Specifications on-demand	Specifications on-demand			1587 lbs (720 kg)	Specifications on-demand
Dimensions LxWxH (mm)	1950 x 635 x 2055		2208 x 1000 x 2006	2680 x 1000 x 2090	2977 x 1000 x 2181		
Dimensions LxWxH (in)	76.7 x 25 x 80.9		86.9 x 39.3 x 79	105.5 x 39.3 x 82.3	117.2 x 39.3 x 85.8		
Hydraulic connection flange*	US ASME						
Remote Alarm Controller	Yes						
Uninterruptible power supply	Yes						

*ISO DIN optional



Join the increasing number
water-smart growers in California.



AQUA4D
WATER SOLUTIONS

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