

*Take Advantage of Water
Conditioned Specifically For
The Printing Process*

Your incoming water supply varies due to seasonal changes and chemicals added by local water suppliers. The **AquaFlo II Water Processing System** supplies you with process water designed for the printing process, helping you manage the complex ink, paper and water interactions on your press. Whatever your incoming water's characteristics, the **AquaFlo II** will transform it into the required starting point for your press chemistry.

The **AquaFlo II** generates process water through a unique combination of the latest membrane and particulate filtration techniques, carbon adsorption and chemical component stabilization technologies. Your incoming water is processed in a multi-stage pre-filtration module, and then moves into the core water processor. Our exclusive post-treatment process acts to stabilize the water before it is stored in a process water storage tank. The re-pressurization pumping system moves the water into your blending system or onto your press.

The **AquaFlo II** is a key to consistent process control in the pressroom!

AquaFlo II SYSTEM BENEFITS

- Consistent process water, with characteristics that you can count on, day in and day out. To better manage the printing process, you need this stable platform for your press chemistry.
- You'll eliminate variability in your pH and conductivity levels.
- Achieve faster make-ready for your press, with the dependability of process water.
- Improve quality with better ink/water balance, which helps you minimize fountain solution and ink usage. You'll also reduce your dependence on chemical additives that you've used to solve printing problems.
- Reduce blanket piling, ink feedback and paper waste.
- Eliminate scaling, mineral deposits, and clogging of nozzles in water and dampening systems.
- Avoid roller stripping by reducing the solids that hard water can deposit on ink rollers and cylinders.
- Extend plate life by removing the calcium and magnesium salts that are deposited on plates by hard water.
- Reduce alcohol consumption and promote alcohol-free printing.
- Prevent bacterial growth in the dampening system by removing microbiological organisms from your incoming water supply.

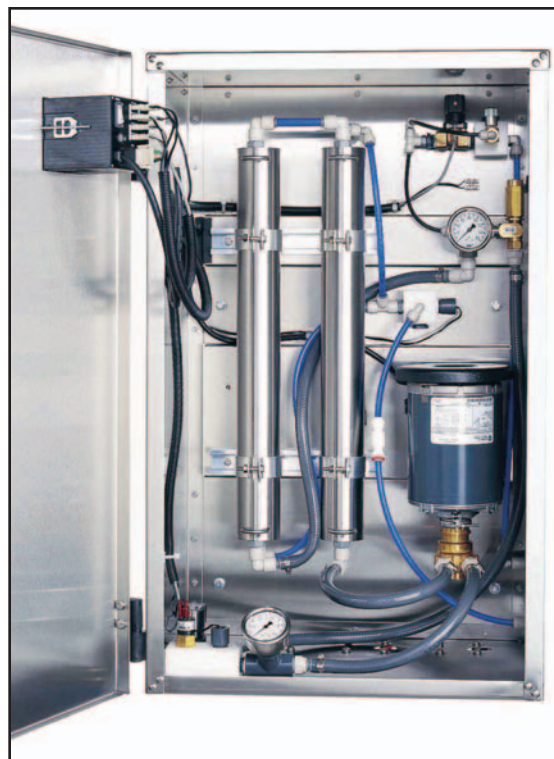


STANDARD FEATURES

- Triple pre-filtration system
- Stainless steel cabinetized water processor
- Exclusive microprocessor controls key functions, including auto flush and indicators for power, system, tank level, filter change, and incoming water pressure
- Water quality monitor with indicator
- Automatic membrane flush during operation and upon shutdown
- Dual water pressure indicators
- High-performance selective rejection membranes
- Unique post-treatment system to stabilize water
- Opaque atmospheric storage tanks with micronic air breathers.
- 1 HP "Smart Pump III" multistage centrifuge
- Pump Guard
- Daily system production capacities:
 AF300 model 300 gallons (1136 liters)
 AF600 model 600 gallons (2271 liters)
 AF900 model 900 gallons (3407 liters)
 AF1600 model 1600 gallons (6056 liters)
 Based on feed-water temperature at 77°F (25°C)
 500ppm; 24-hour day. Actual output may vary,
 depending on local water conditions.
- Operating pressure: 100 PSI (7 Bar) to 150 PSI (10 Bar)
- All units are NRTL and CE approved.

AquaFlo II Options

- Processor stand
- Water softeners



The **AquaFlo II** is designed for ease of maintenance and service.

FEED-WATER CHEMISTRY PARAMETERS

Feed TDS	Up to 2000 parts per million	Feed PH	5.0 to 11.0	Iron (Fe)	<1 milligram per liter
Free Chlorine	<2 milligrams per liter	Hardness	<20 grains	Hydrogen Sulfide	Non-allowable
Manganese	<.05 milligrams per liter	Turbidity	<5 NTU		
Electrical	Electrical specifications vary based on final equipment configuration				

If your feed-water does not meet these parameters, additional pre-treatment steps or more frequent maintenance may be required. The presence of silica or flocculants, such as alum or cationic polymers, can cause membrane fouling and may require further special pre-treatment or periodic membrane cleaning.

The AF300 and AF600 require a pre-treatment water softener when hardness exceeds 274 ppm (20 grains), or as indicated by other feed-water conditions. The AF900 and AF1600 require a water softener on almost all water supplies containing any amounts of hardness or iron. PriscoTech Water Softeners are specifically designed to operate in conjunction with AquaFlo II products.

Specifications are subject to change without notice.

As always, your local PRINTERS' SERVICE office is happy to answer your questions:

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