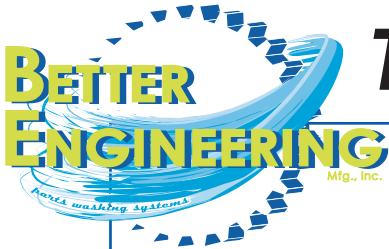


# PRODUCT SPECIFICATIONS

Better Engineering's **PURIFIER/PCS** Systems



## *The Ultimate in Aqueous Cleaning!*



*Finally, there is a standard parts cleaning system built to such a high level that you don't have to risk customization.*

*The **PURIFIER/PCS** Systems!*

Today, there are over 15,000 Better Engineering aqueous cleaning systems, like the **Purifier/PCS's**, in service throughout the world. Established in 1960, Better Engineering pioneered the field of aqueous cleaning and continues to set the standard for precision cleaning machinery.

### The Purifier/PCS Systems

After working years with the large companies in the world to push the boundaries of water-based cleaning, Better Engineering had a mandate – design a STANDARD system that meets the most stringent cleanliness requirements, that defies improvement, and hence saves customers the cost and anguish of customizing a system. Seven (7) upgrades were combined into a package such that the package could be incorporated into any Purifier model. The result is a PURIFIER/PCS SYSTEM, the **Ultimate Precision Cleaning System**.

### Cleaning with Water...the Purifiers

Better Engineering's "Purifier" machinery is and has been the best selling line of industrial jet washers in the world. Using aqueous spray technology, parts are automatically cleaned with a recirculated detergent and water solution. The force of the spray jets in combination with the heat (130° - 180° F) and the chemical action of the detergent strip away oil, grease, carbon, etc. in 1-15 minutes. Now, Better Engineering has set a whole new standard.

*\*model specifications are located on page 3*

# Better Engineering's PURIFIER/PCS Systems

## Multi-Stage, Cellular Cleaning

A "PCS" jet washer is the ideal cellular cleaning system. The parts are washed, rinsed and dried in one chamber and in one fully automatic cycle. The average cycle time is just 15-20 minutes. Now, you don't have to move your parts from tank to tank for precision cleaning.

## "PCS" Features

The features of the "Purifier" jet washers (see "Purifier" specification sheet) carry over to the "Purifier/PCS" systems except for the obvious upgrades outlined in this brochure and the floor pitch; on a PCS system, the tank floor has a straight 2" pitch from front to back (there is no 2" deep canal or diversion plate).



### **F-4000-PCS**

*This model is just one of the seven **Purifier/PCS** models. It shows the standard spray manifold configuration and optional Allen Bradley "Panelview 550" processor with touch screen. The standard control package uses all relay logic and includes external timers for each stage (wash, rinse and dry).*

## **Standard Features**

"LWS-F1" for low water shut-off

Emergency High Back-Up Sensors for Both Tanks

"OSW -11" Oil Skimmer on the Wash Tank

"ATC-24-2" Automatic Timer for Heat and Skimmer Control

## **Optional Features**

The "ILF-22" Micron Filtration System

The "ARC-1" Fresh Water Rinse Cycle

The "ZX" Upper Tier Basket

"RCB-1" Rubber Coating for the Basket(s)

The "PLC-22" Allen Bradley "Panelview 550" Processor

Air Drying System (*consult dealer*)



## Better Engineering's PURIFIER/PCS Systems

Model	F-4000-PCS	F-4000LX-PCS	F-5000LX-PCS	T-5000-PCS	T-6000-PCS	T-7000-PCS
<b>Working Dimensions</b>	40" dia.x40"h	40" dia.x60"h	50" dia.x60"h	50" dia.x 31"h	60" dia.x 31"h	70" dia.x31"h
<b>Reservoirs(2) Gal./ea</b>	100	100	150	150	200	225
<b>Heat/ea</b>	18kW	18kW	18kW	18kW	27kW	27kW
<b>Pumps (2) HP/ea</b>	5	7.5	10	7.5	10	10
<b>Output/ea</b>	100 GPM/ 60 PSI	100 GPM/ 65 PSI	150 GPM/ 70 PSI	150 GPM/ 60 PSI	200 GPM/ 60 PSI	200 GPM/ 60 PSI

*\*The new F-6000LX-PCS is not listed*

For layout drawings of a specific PCS system, contact your Better Engineering sales engineer.

### Any One of These Seven Purifier Models Can Be Transformed Into a Purifier/PCS System

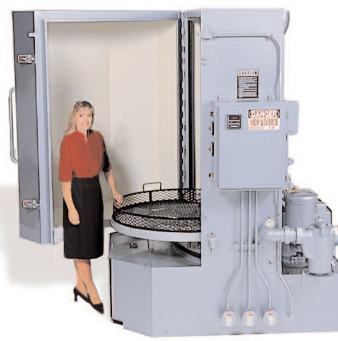
*(refer to the Purifier spec sheet for detailed information on each model)*



**F-4000-PCS**



**F-4000LX-PCS**



**F-5000LX-PCS**



**F-6000LX-PCS**



**T-5000-PCS**

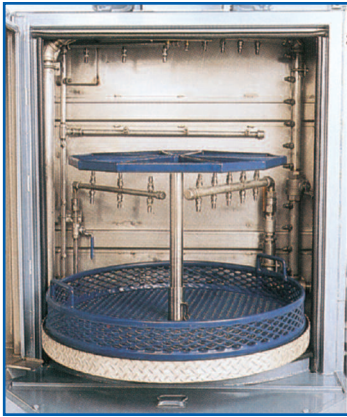


**T-6000-PCS**



**T-7000-PCS**

## The 7 PCS Upgrades



1

**1) STAINLESS STEEL** On a PCS system, all wetted parts are type 304 stainless: cabinet, pumps, spray nozzles, valves, etc.

**2) TWO INTEGRATED TANKS** A PCS system is really two jet washers rolled into one. There are two heated reservoirs, two pumps, etc. The high volume wash stage (100+ GPM) is followed by an equally powerful stage (100+ GPM).

**3) HIGH VOLUME RINSING** Essential to many applications, the high volume rinse stage can be automatically followed by an optional 3rd. low volume rinse stage. Pneumatic "plungers" are choreographed with delay timers to keep these solutions segregated.

**4) DRYING (OPTIONAL)** After the wash and rinse stages, the parts are dried with a high velocity (15,000 ft./min.) blast of hot (typically 260° F) air. The machine has a "regenerative blower" and a heating system that has triple, no-fault protection.

**5) THE CONTROL SYSTEM** A PCS jet washer has a deluxe control system which is both comprehensive and user friendly. The standard system uses all relay logic and has external timers for each stage (wash, rinse, etc.) With the **PCS-22** option, the timers and many of the lights and relays are replaced with an **Allen Bradley Panelview 550** PLC with touch screen.

**6) PCS FEATURES** Many features which are optional on a Purifier are standard on a Purifier/PCS system:

- full cabinet insulation (1")
- main fused disconnect with panel lock-out
- emergency stop control and more ...

**7) PCS SUPPORT** PCS customers enjoy the highest level of factory/dealer support:

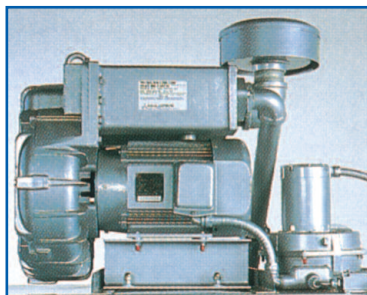
- work with B.E.'s lab to prove the process
- two day training and run-off sessions at Better Engineering
- comprehensive documentation
- installation assistance by your local B.E. dealer



2



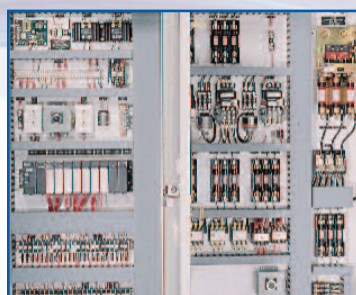
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