

# BACA PURE

WATER FILTRATION SYSTEM



- SWF3-60/10**  
60 GPM


  - ◆ 60 gpm Cyclone Filtration System with Conical Tank, Flume Screen, Pit Pump, Pit Sweeper, Sludge Hopper and Settling Weir
  - ◆ Wizard Coagulant System
  - ◆ Ozone Generator
  - ◆ Duplex Hurricane System
- SWF3-120/20**  
120 GPM

  - ◆ 120 gpm Cyclone Filtration System with Conical Tank, Flume Screen, Pit Pump, Pit Sweeper, Sludge Hopper and Settling Weir
  - ◆ Wizard Coagulant System
  - ◆ Conical Tank Auto Purge Assembly with Hopper
  - ◆ Ozone Generator
  - ◆ Quad Hurricane System
- SWF4-160/40**  
160 GPM


  - ◆ 160 gpm Cyclone Filtration System with Conical Tank, Flume Screen, Pit Pump, Pit Sweeper, Sludge Hopper and Settling Weir
  - ◆ Wizard Coagulant System
  - ◆ Conical Tank Auto Purge Assembly with Hopper
  - ◆ Ozone Generator
  - ◆ Two (2) Quad Hurricane Systems
  - ◆ Filter Cleaning Station
- SWF4-200/80**  
200 GPM

  - ◆ 120 gpm Cyclone Filtration System with Conical Tank, Flume Screen, Pit Pump, Pit Sweeper, Sludge Hopper and Settling Weir
  - ◆ Wizard Coagulant System
  - ◆ Conical Tank Auto Purge Assembly with Hopper
  - ◆ Ozone Generator
  - ◆ Four (4) Quad Hurricane Systems
  - ◆ Filter Cleaning Station


## A SOLUTION FOR EVERY FABRICATOR




**✓ Cyclone Filtration System**  
Water from pit enters centrifugal separator where solids are filtered to 40 micron. Water is sent to Hydrocyclones and pit sweeper.




**✓ Hydro Cyclones**  
Filter water further to approx. 10 micron, sending solids to hopper and clean water to holding tank.




**✓ Sludge Hopper**  
Collects Sludge collected from Separator and Hydro Cyclones. Removable liner allows easy removal of solids.



**✓ Settling Weir**  
Captures overflow from sludge hopper, allowing solids to settle. Removable liner allows easy removal of solids.



**✓ Conical/Clarifier Holding Tank**  
Conical holding tank holds the grey water until needed by process.



**✓ Hurricane Polishing System**  
Removes solids to deliver crystal clear water for CNC machines and Edge Polishers.

### TYPICAL WATER REQUIREMENTS (GPM)

| Gray          |    | Clear         |    | Gray            |    | Clear           |    | Gray            |    | Clear           |    | Gray            |    | Clear           |    |
|---------------|----|---------------|----|-----------------|----|-----------------|----|-----------------|----|-----------------|----|-----------------|----|-----------------|----|
| Saw           | 10 | Saw           | 10 | Saw             | 10 | Saw             | 10 | Saw             | 10 | Saw             | 10 | Saw             | 10 | Saw             | 10 |
| Saw Jet       | 12 | Mitre Saw     | 10 | Mitre Saw       | 10 | Mitre Saw       | 10 | Mitre Saw       | 10 | Mitre Saw       | 10 | Mitre Saw       | 10 | Mitre Saw       | 10 |
| CNC           | 20 | Saw Jet       | 12 | Saw Jet         | 12 | Saw Jet         | 12 | Saw Jet         | 12 | Saw Jet         | 12 | Saw Jet         | 12 | Saw Jet         | 12 |
| Hand Polisher | 10 | CNC           | 20 | CNC             | 20 | CNC             | 20 | CNC             | 20 | CNC             | 20 | CNC             | 20 | CNC             | 20 |
| Washdown      | 8  | Line Polisher | 20 | Line Polisher   | 20 | Line Polisher   | 20 | Line Polisher   | 20 | Line Polisher   | 20 | Line Polisher   | 20 | Line Polisher   | 20 |
|               |    | Hand Polisher | 10 | Hand Polisher   | 10 | Hand Polisher   | 10 | Hand Polisher   | 10 | Hand Polisher   | 10 | Hand Polisher   | 10 | Hand Polisher   | 10 |
|               |    | Washdown      | 10 | Washdown        | 10 | Washdown        | 10 | Washdown        | 10 | Washdown        | 10 | Washdown        | 10 | Washdown        | 10 |
|               |    |               |    | Fliter Cleaning | 10 | Fliter Cleaning | 10 | Fliter Cleaning | 10 | Fliter Cleaning | 10 | Fliter Cleaning | 10 | Fliter Cleaning | 10 |

|           |        |           |        |           |         |           |         |
|-----------|--------|-----------|--------|-----------|---------|-----------|---------|
| TOTAL GPM | 60 GPM | TOTAL GPM | 92 GPM | TOTAL GPM | 144 GPM | TOTAL GPM | 184 GPM |
|-----------|--------|-----------|--------|-----------|---------|-----------|---------|