

PROCESS COOLING WATER SYSTEMS



Shown: PCW rated for 300 gpm with 316 SS pump, 304 SS filter housing, 316 SS heat exchanger, schedule 80 PVC. Part # PCW-300-1-0-1-1-PVC.



Shown: PCW rated for 500 gpm with 316 SS pump, 304 SS filter housing, 316 SS heat exchanger, schedule 80 PVC. Part # PCW-500-1-0-1-1-PVC



Shown: PCW rated for 900 gpm with 316 SS pump, 316 SS filter housing, 316 SS heat exchanger, schedule 80 CPVC. Part # PCW-900-2-1-1-1-CPV

Wastech Process Cooling Water systems (PCW's) maintain constant flow of cooled or chilled water to process critical tools and machinery. The skid mounted PCW's maintain the water flow at constant temperature and pressure ensuring the availability of cool water for critical processes.

Specifications:

- 100 to 1000 GPM capacity
- Water temperatures from 40 F to 75 F (Depending on water cooling method, chiller or cooling tower.)
- Powder coated steel skids
- Skid mounted design, ready to install
- Indoor or outdoor installation
- Factory piped, wired and tested before shipment

Standard Features:

- PLC based control system with color touch screen HMI
- UL Listed control panel
- NEMA 4 powder coated steel control panel
- VFD control of pumps
- Powder coated steel skid
- 316 SS Pumps
- 316 SS Heat exchangers
- PVC schedule 80 piping
- Dry contacts for common alarm and influent permissive signals
- Seismic tie down brackets

Optional Features:

- One, two or three operating pumps
- Optional installed spare pump
- One or two filters
- One or two heat exchangers
- Pipe materials available in CPVC, 304 SS or 316 SS
- Multiple redundancy options
 - Auto restart of system (after power loss)
 - VFD bypass upon VFD failure
 - Redundant PLC

ORDERING INFORMATION							
PCW							
	Flow Rate (Choose One, or Enter Desired Flow Rate)						
	-100	100 Gallons per minute					
	-300	300 Gallons per minute					
	-500	500 Gallons per minute					
	-1000	1000 Gallons per minute					
	Operating Pump Configuration (Choose One)						
	-1	Simplex (one operating pump, running 100%)					
	-2	Duplex (two operating pumps, running 50% each)					
	Spare Pump Configuration (Choose One)						
	-0	No installed spare pump					
	-1	One installed spare pump					
	Filter Configuration (Choose One)						
	-1	Simplex (one filter)					
	-2	Duplex (two filters)					
	Heat Exchanger Configuration (Choose One)						
	-1	Simplex (one heat exchanger)					
	-2	Duplex (two heat exchangers)					
	Pipe Material (Choose One)						
	-PVC	PVC Sch. 80 (pump 316 SS, heat exchanger 316 SS, filter housing 304 SS)					
	-CPV	CPVC Sch. 80 (pump 316 SS, heat exchanger 316 SS, filter housing 304 SS)					
	-34S	304 SS Sch. 10 (pump 316 SS, heat exchanger 316 SS, filter housing 304 SS)					
	-36S	316 SS Sch. 10 (pump 316 SS, heat exchanger 316 SS, filter housing 316 SS)					
	Redundancy Options (Choose Any)						
	-AS	Automatic Restart (upon restart after power loss)					
	-VB	VFD bypass upon VFD failure (pump runs full speed)					
	-RP	Redundant PLC (one operating, one spare)					
Example Part Number							
PCW	-100	-1	-0	-1	-1	-PVC	-AS
PCW	-900	-2	-1	-2	-2	-36S	-AS-VB-RP



Shown: PCW with pumps and filters on one skid and the heat exchangers on the other.

The PCW is rated for 150 gpm with 316 SS pumps, 316 SS filter housings, 316 SS heat exchangers, schedule 10 316 SS piping on the process side and painted powder coated steel piping on the chiller side.

The PCW has redundant heat exchangers to enable constant operation even during routine maintenance.
 Part # PCW-150-2-0-2-2-36S