

## AOP TECHNICAL DATA SHEET (aka "CUT SHEET")

### PURITY AOP PRESSURE SIDE SYSTEM WITH INJECTOR




### Pressure Side AOP MODELS (PAOP60-120V & PAOP60-240V) with INJECTOR

### PURITY AOP SUCTION SIDE SYSTEM (WITH NO INJECTOR)



### Suction Side AOP MODELS (SAOP60-120V & SAOP60-240V) with No Injector

PURITY AOP (Advanced Oxidation Process) systems both Disinfect and Clarify Pool Water. The systems operate through the generation of hydroxyl radicals. The hydroxyl radical (HO•) is one of the most powerful oxidizers that exist. It is vastly more reactive than ozone. AOP reduces chlorine usage by up to 90%, with no chemical residue, which eliminates all the undesirable side effects of chlorine. AOP is a breakthrough technology because it not only obliterates all the common infectious pathogens and living organisms in swimming pools; but, it also safely oxidizes all the organic matter that clouds pools water, leaving the swimming pool clean and pristine crystal clear. Other current AOP systems are plagued with problems and performance complaints. For example, current systems can only handle flow rates of 30-50 gpm. These systems are built with cheap plastic parts that need frequent replacement and are difficult to maintain. Purity AOP produces 80% more hydroxyl radicals from ambient air than other AOP systems; a proprietary hydraulic system injects and thoroughly mixes the the hydroxyl radicals into the water at any flow rate from 15-100 gpm. Purity AOP uses stainless steel braided Teflon hoses, SS check valves and reactors with robust filters; Purity AOP filters have 122 times more surface area than the tiny fabric filters of other systems. Because hydroxyl radicals have such a short half life, AOP dissipates instantly and is safe. State-of-the-art Purity AOP gives you the safest, clearest, cleanest and most enjoyable swimming!

REACTOR		DESCRIPTION	
Dimensions	16" W x 16" H x 6" D	Cell Type & No.	Three Corona Discharge cells w/ Integrated Air Pump; 5 yr Cell Life avg
AOP Plumbing Option - Pressure Side	Pressure Side with Injector (Model PAOP 60- 120 or 240V)	AOP Plumbing Option - Suction	Suction Side with No Injector (Model SAOP 60- 120 or 240V)
Power (PAOP60- 120V & 240V)	120VAC, 60Hz, 2amps ; 240 VAC, 60 Hz, 1 amp	AOP Suction Side Power (SAOP60-120V & 240V)	120VAC, 60Hz, 2amps ; 240 VAC, 60 Hz, 1 amp
Weight	24 lbs.; 10.88 kg	Validated Water Flow	15-100 GPM
Mounting	Wall or Rack	Enclosure	304 SS, NEMA 4X
Incoming Filter	6 square inches	UVC Lamps	1 Lamp
Pool Size	60,000 Gallons	Lamp Life	5 years avg
Check Valve	316 SS Spring Loaded	Validated Disinfection	ANSI/NSF 50, 99.999% Disinfection Rate
Output	600-900 mg/hr	Reactor Type	Dry
O3/O1 Hose	SS Braided over PTFE	UVC Lamps and Lamp Life	1 UVC Lamp; 5 yr avg life
INJECTOR		Model PI2; DESCRIPTION	
Dimensions	23" L x 7" H x 3" D		
Weight	3 lbs; 1.36 kg		
Check Valve	Integrated		
Water Flow	15-100 GPM		
Gas Flow Rate & Connection	5-7 LMP Flow; 1/2" MNPT		
Installation	2" PVC Glue Socket		
		<b>CERTIFICATIONS</b> PURITY TEK LLC Att: Steve Hansen, MGR Technical Support T: (512) 255-2271 Customer Support: Ace Sorensen, MGR T: (801) 687-1521	