



OZONE	UV	COMMERCIAL	SPA	← Applications
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- Spa and Hydrotherapy pool disinfection

← Main characteristics

- Advanced oxidation system combining ozone and UV treatment within a self contained unit



The SPAZONE 75 offers the unique process of advanced oxidation for treatment of commercial spa water.

This process combines the disinfection properties of ozone and UV making the SPAZONE 75 the most advanced spa water purification system available.

MAIN FEATURES

- Proven ability to safely lower free chlorine residual
- Effective against chlorine resistant micro-organisms
- Reduced skin and eye irritation
- Very low THM levels
- Significant improvement in water clarity
- Low cost capital and installation cost
- Simple to install and operate with minimal plant room space requirement

ADVANCED OXIDATION: SPAZONE 75

The SPAZONE 75 is designed for advanced oxidation of commercial spas and hydrotherapy pools, where contamination can be particularly high due to high bather loading per cubic metre of water. SPAZONE combines ozone and UV treatment within a single system to maximise disinfection and chloramine destruction.

The SPAZONE 75 package comprises:

- Corona discharge ozone generator with injector, booster pump, ozone vent system, carbon off gas destructor and air flowmeter
- Automatic twin-column air dryer
- Reaction vessel
- High power low pressure UV lamp

HOW IT WORKS

Ozone is produced when air is passed over a ceramic dielectric ozone generating module containing a stainless steel electrode. The module is powered by a high voltage/high frequency power board. The high power low pressure UV lamp is powered by an electronic ballast. UV not only provides disinfection but also deozone the treated water, eliminating the need for carbon deozone material within the reaction tank.

Chlorine is effective against most bacteria but reacts slowly with viruses, cysts and amoebae. SPAZONE combines ozone and UV to provide excellent control against all micro-organisms. Hydroxyl radicals, produced in the advanced oxidation reaction, effectively destroy organic materials including chloramines with no risk of the accumulation of reaction by-products.



TECHNICAL DATA

MODEL	Pool volume	Bypass Flow Rates		Ozone Production	Feedgas Production	Power Consumption	Power Supply
	m ³	m ³ /h	US gpm	g/h	ltr/min	kW	v/ph/Hz
SPAZONE 75	75	3.6	16	3.6	10.0	1.3	230/1/50

► Standards

- BS EN ISO 9002:94
- CE Approval

► Remote controls and alarms

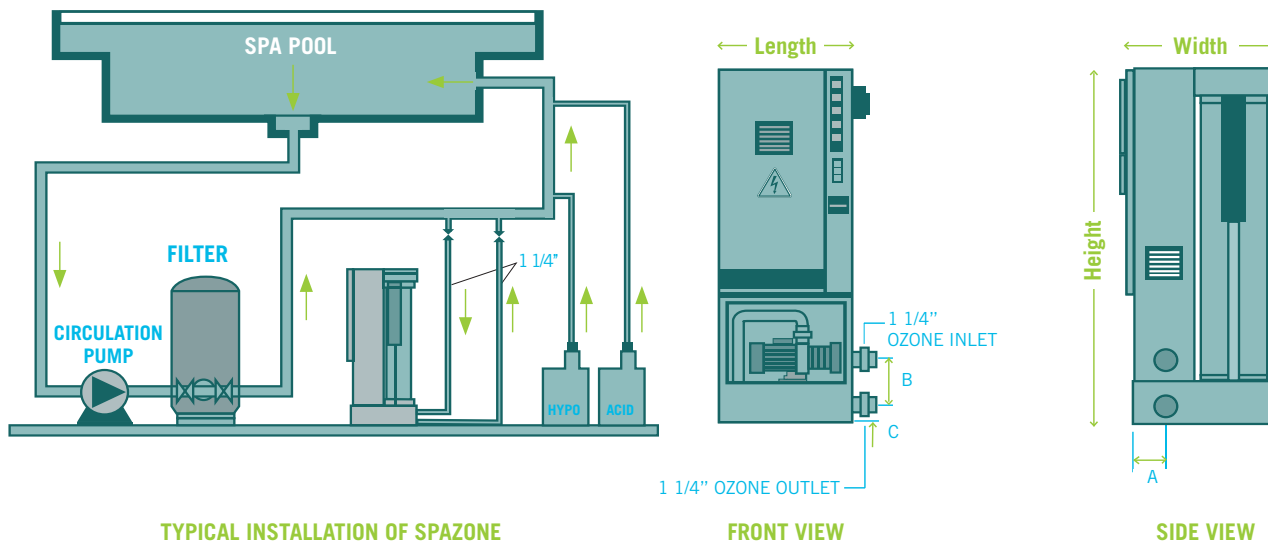
- **Fault:** Red illuminated indicators
- **Lamp change red illuminated indicator**
- **Hours run meter**
- **Flowmeter**

► Materials

- **Enclosures:** mild steel, epoxy coated
- **Ozone Module:** 316 stainless steel electrode assembly inside a ceramic dielectric tube
- **Air Dryer:** heat regenerated molecular sieve
- **UV:** low pressure amalgam lamp and electronic ballast

DIMENSIONS

MODEL	Connection Positions (mm/inch)			l x w x h		Weight	
	A	B	C	mm	inch	kg	lb
SPAZONE 75	100/3.9	215/8.46	50/1.97	500 x 470 x 1500	19.7 x 18.5 x 59	120	264.5



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