



The ETS UV system is the most advanced UV system available. The treatment chamber has been designed for the simplest installation into any pipe work system. The chamber can be mounted vertically or horizontally. The compact design allows existing facilities to be easily upgraded with minimum site work.

TREATMENT CHAMBER

The ETS UV treatment chambers are designed for installation into the piping after the filters but before chemical injection.

The UV chamber is manufactured from polished 316L stainless steel, with ANSI 150 RF flanges for easy installation. Temperature probes, UV monitor probes, and automatic quartz wipers are included.

A pressure rating for the unit is 150 PSI and pressure drop through the chamber is minimal.

Our objective for the product is simple, to be the best on the market, no compromise. The ETS-UV system offers the flexibility of a horizontal or vertical installation application. The ETS ECF product line treats the largest pools with a very compact footprint.

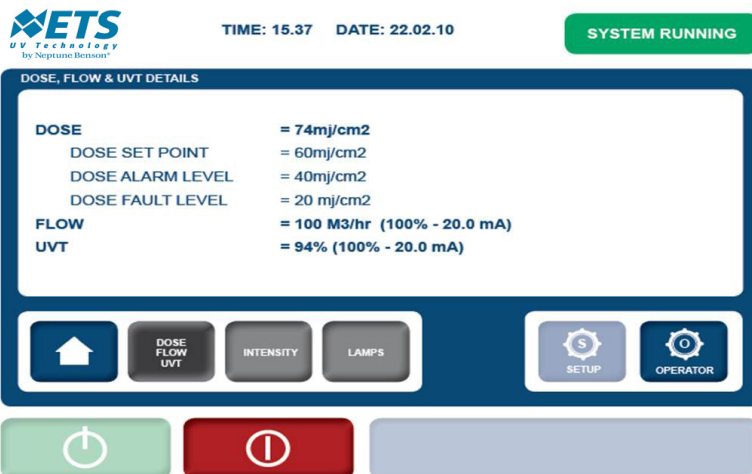
Utilizing our proven medium pressure lamp technology, the ETS UV system offers a high quality, 'high specifications' product at a very competitive price. The powerful two lamp units are designed to provide protection and extended life from that of single lamp systems. Suitable for all pools and whirlpools with flows from 200 to 300 gpm for indoors and 260 to 540 gpm outdoors.

CONTROL SYSTEM

The control system is located in a NEMA12 (IP54) rated panel. As a standard, it is supplied with 15 ft cables for connection to the treatment chamber.

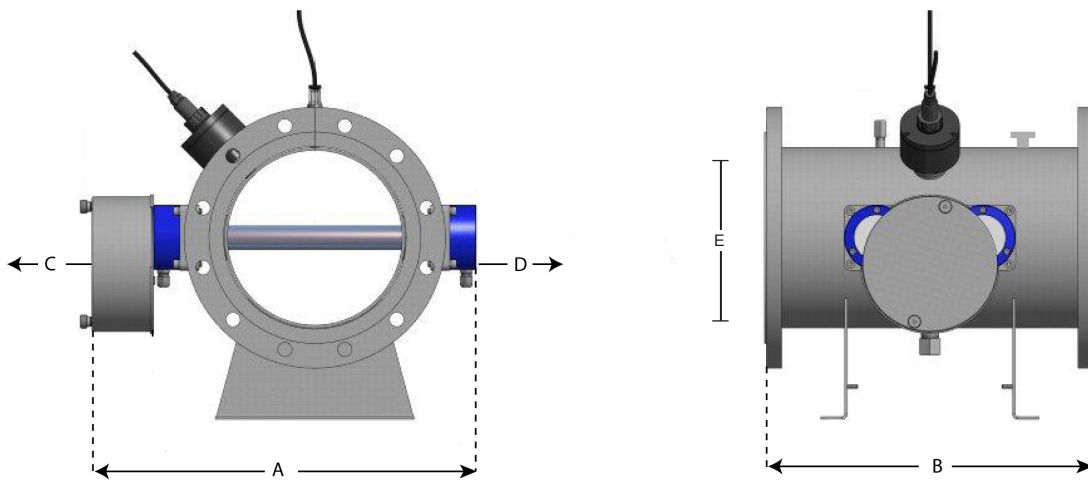
The power supply (PSU) and control cabinet are powered with the latest Spectra microprocessor control unit. Three levels of operation (simple control, full parameter display, and operator configuration) allows for easy, uncomplicated operation of the unit by an operator. The control system features a sophisticated password protected engineering section for integrating the unit with other system devices.

Auto power restart, pump and valve interfaces, process interrupt and low power overnight operation are all features specifically designed for use on all recreational water applications.





Treatment Chamber
Technical Data Sheet



TYPE	LAMPS & POWER	WEIGHT (DRY/WET)	DIMENSIONS & ACCESS				
			A	B	C	D	E
ECF-210-4	2 * 1.0 kW	110/125 lbs	19 inches	16 inches	14 inches	6 inches	4 inches
ECF-215-6	2 * 1.5 kW	125/145 lbs	19 inches	20 inches	16 inches	6 inches	6 inches
ECF-220-8	2 * 2.0 kW	140/180 lbs	21 inches	20 inches	16 inches	6 inches	8 inches
ECF-225-10	2 * 2.5 kW	150/210 lbs	23 inches	20 inches	18 inches	6 inches	10 inches
ECF-230-12	2 * 3.0 kW	160/245 lbs	24 inches	20 inches	20 inches	6 inches	12 inches
ECF-430-12	4 * 3.0 kW	200/315 lbs	24 inches	28 inches	20 inches	6 inches	12 inches
MATERIAL	316 stainless steel		FLANGE TYPE			ANSI 150 RF	
PRESSURE DROP	Less than 0.6 PSI		DRAIN & VENT			3/4" NPT & 1/4" NPT	
PRESSURE RATING	150 PSI		STRAINER			Supplied loose	

All units provided with 15ft cables as standard





**Control System
Technical Data Sheet**



TYPE	SUPPLY	WEIGHT	DIMENSIONS		
			WIDTH	HEIGHT	DEPTH
ECF 2 Lamp	208V/220V 1 ph 60 Hz	250 lbs	24 inches	40 inches	12 inches

MATERIAL	Carbon Steel	IP RATING	NEMA 12/IP54
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COMPLETE WITH

RCD protection	Over temperature protection
UV monitoring	Automatic wiper

SPECTRA MICROPROCESSOR CONTROL

Simple START, STOP, and RESET buttons	Full fault screen display and help screens
Dose, flow, current, and temperature display	Remote operation and control function
Auto restart on power failure	Valve and pump interface contacts
Half power operation for low pool use periods	Separate password protected engineer functions
Infinite power control to maintain dose	WiFi, Ethernet, SCADA compatible Modbus

*Requires 4-20ma signal from flow meter or 4-20ma signal or voltage free contact from chemical controller



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