

UVALITE CF LT UV Systems

Swimming Pool Disinfection

UV

The Uvalite CF series of medium pressure ultraviolet units is designed to offer an alternative to the Uvaray CF range giving a more cost effective product for commercial swimming pool disinfection and chloramine reduction.

APPLICATIONS

- Commercial Swimming Pools and Spas
- Water Features
- Lakes and Ponds

MAIN CHARACTERISTICS

- Easy to install
- Higher UV efficiency
- Lower capital cost
- Lower operating cost

MAIN FEATURES

- Substantial reduction in chloramines
- Medium Pressure UV lamps for maximum oxidation
- Standard control system
- Manual wiper system
- Simple lamp replacement



UV TECHNOLOGY: UVALITE CF LT

Medium Pressure UV systems are very effective against highly infectious *Cryptosporidium Parvum* and *Giardia Lamblia* species which can exist in swimming pool water. These are virtually unaffected by the levels of chlorine used to sanitise swimming pools.

The use of chlorine in swimming pools results in the formation of chloramines as a direct result of its interaction with pollutants and it is these that result in eye and skin irritation combined with unpleasant odours.

Reduction of these by utilising Medium Pressure UV results in a vastly improved water quality and atmospheric environment.

HOW IT WORKS

The Medium Pressure UV lamps are housed within a stainless steel reactor vessel which is connected to a wall mounted electrical control panel which supplies power to the lamps and controls all the operating functions.

The unit can be set to operate at low power overnight to save electricity.

To ensure maximum performance, the reactor is fitted with a manually operated thimble wiper system.



REMOTE CONTROLS AND SIGNALS

- Remote Start / Stop
- Remote lamp power
- Fault alarm
- Lamp change required alarm
- Lamp ON confirmation/indication

OPTIONS

- UV monitor with remote analog output (0-10V 4-20mA)

UVARAY CF LT MODELS	Flow Rates		Lamp Power	Supply Rating ⁽¹⁾	Control Panel Dimensions
	m ³ /h	US gpm	kW	V/ph/Hz	mm (L x W x H)
CF40LT	40	175	1.0	220/1/60 or 230/1/50 OPTIONS 380/3/50-60 400/3/50 415/3/50 480/3/60	600 x 600 x 200
CF60LT	60	265	1.5		600 x 600 x 200
CF105LT	105	460	2.0		600 x 600 x 200
CF145LT	145	640	2.5		600 x 600 x 200
CF170LT	170	750	3.0		600 x 600 x 200
CF220LT	220	970	2 x 2.0 = 4.0		800 x 800 x 300
CF300LT	300	1320	2 x 2.5 = 5.0		800 x 800 x 300
CF355LT	355	1560	2 x 3.0 = 6.0		800 x 800 x 300
CF415LT	415	1825	2 x 3.5 = 7.0		800 x 800 x 300

PANEL DISPLAY OPTIONS

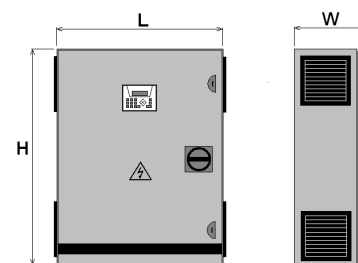
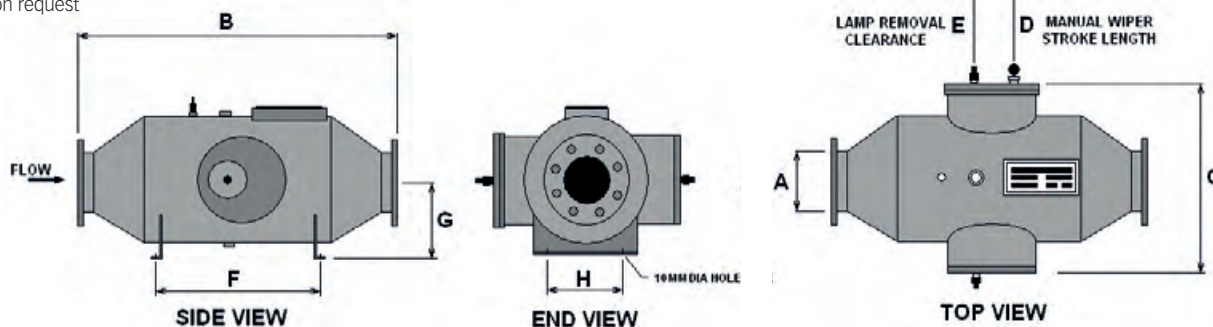
- Local/Remote Control (Lamp ON/OFF)
- Auto Power Down (on Time Basis)
- Manual Power Down
- Lamp Current
- Panel & Reactor Temperatures
- Alarms
- Lamp Hours Run

DIMENSIONS

REACTOR	Reactor Dimensions (mm/inch)							
	A	B	C	D	E	F	G	H
CF20LT	75/3.0	650/25.6	380/15.0	175/6.9	400/15.7	300/12.0	-	100/4.0
CF40LT	75/3.0	740/29.1	380/15.0	225/8.8	400/15.7	300/12.0	175/7.0	150/6.0
CF60LT	100/4.0	740/29.1	380/15.0	225/8.8	400/15.7	300/12.0	175/7.0	150/6.0
CF105LT	150/6.0	900/35.4	480/18.9	325/12.8	500/19.7	400/15.7	225/9.0	200/8.0
CF145LT	150/6.0	900/35.4	480/18.9	325/12.8	500/19.7	400/15.7	225/9.0	200/8.0
CF170LT	200/8.0	820/32.3	580/22.8	325/12.8	600/23.6	400/15.7	225/9.0	200/8.0
CF220LT	200/8.0	820/32.3	480/18.9	325/12.8	500/19.7	400/15.7	225/9.0	200/8.0
CF300LT	200/8.0	820/32.3	480/18.9	325/12.8	500/19.7	400/15.7	225/9.0	200/8.0
CF355LT	250/10.0	890/35.0	580/22.8	375/14.8	600/23.6	450/17.7	275/11.0	250/10.0
CF415LT	250/10.0	890/35.0	580/22.8	375/14.8	600/23.6	450/17.7	275/11.0	250/10.0

(1) Other voltages on request

Reactor



Control Panel

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