

TRIOGEN

TES 18 & TES 25

UV Systems



UV LOW PRESSURE RESIDENTIAL SWIMMING POOL < Applications

- Swimming pool disinfection

< Main characteristics

- UV dose of 30mj/cm² for disinfection of swimming pools with flow-rate up to 25m³/h



The TES 18 and 25 were designed to provide residential swimming pools with a cost effective UV system for disinfection and improved water quality.

MAIN FEATURES

- Low pressure UV
- Reduction in chemical requirement
- Improves water quality
- Reduced skin and eye irritation
- Very low capital and electrical running costs
- Lamp change required once per year
- Easy to install and operate with minimal space requirement and can also be installed outdoors

UV TECHNOLOGY: TES 18 & TES 25

TES 18 and 25 low pressure UV systems are designed for disinfection of small residential swimming pools, providing cost effective treatment and improved water quality.

Both systems incorporate a high output low pressure UV lamp with a 9,000 hour bulb life. The range consists of two sizes with flow rates of 18m³/h and 25m³/h.

HOW IT WORKS

The TES 18 and 25 both utilise a high output, low pressure UV lamp which is powered by an electronic ballast, housed within the reactor top cap. For added safety, the reactor top cap also houses a pressure switch to ensure the unit only operates when the pool circulation system is pressurised.

The 2" PVC inlet and outlet unions allow easy connection onto existing or new PVC pipe work systems. Each system also has a pressure gauge on the inlet connection. As water travels through the unit it is disinfected by a 30mj/cm² UV dose from the lamp.



TECHNICAL DATA

TES Model	UV Lamp	Flowrate ⁽¹⁾		Supply Voltage	Supply Rating
	w	m ³ /h	US gpm	v/ph/Hz	A
TES 18	58	18	80	230/1/50-60	1.6
TES 25	80	25	110	230/1/50-60	1.6

(1) The above flowrate is base on UV dose of 30 mj/cm² at end of lamp life
Units are supplied with a 2.4 meter long power cable length as standard

► Standards

- UL Approved
- CE Approved

► Standard fittings

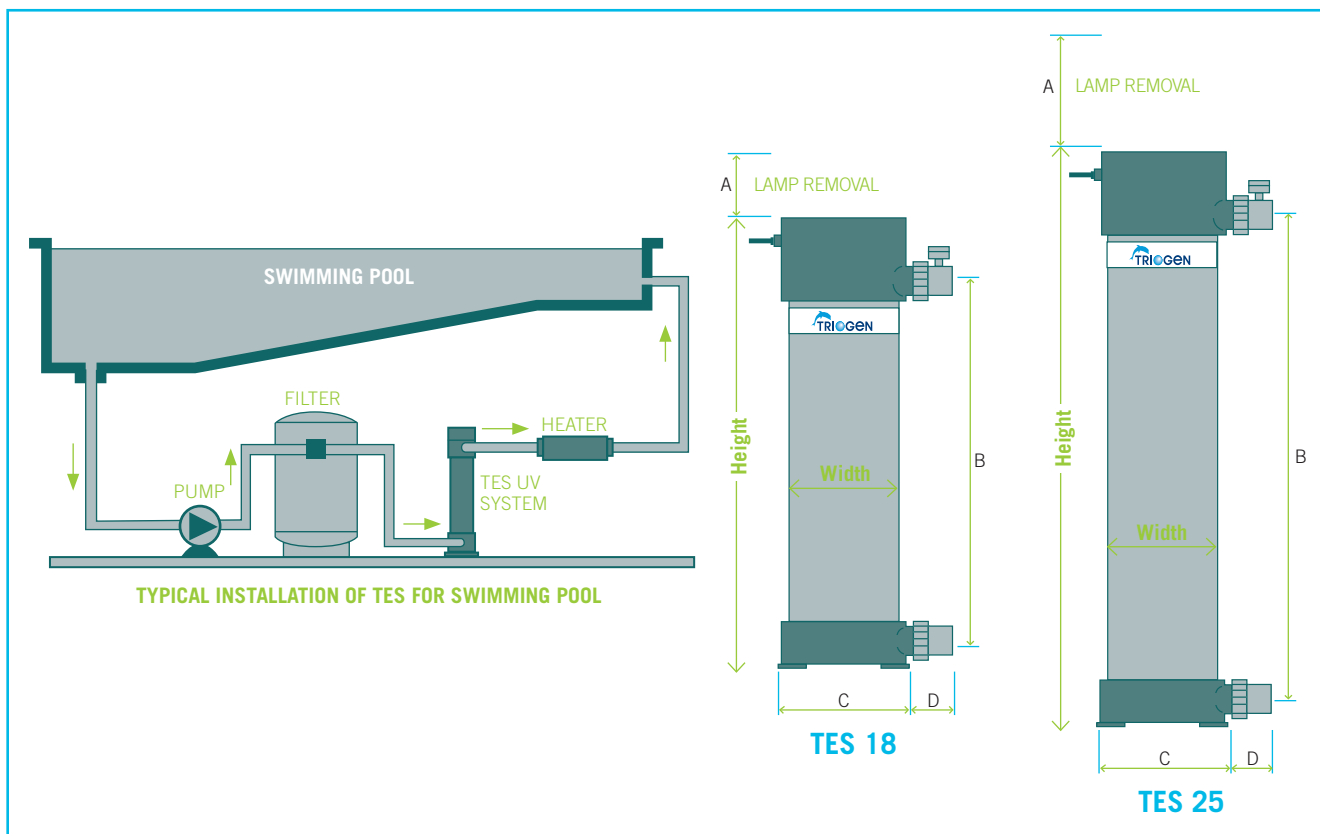
- Pressure switch
- Pressure guage

► Materials

- UV Reactor Body: PVC plastic
- Internal Surface: 316 stainless steel reflector
- Outer Sleeve: mirror polished stainless steel
- Inlet/Outlet: uPVC unions

DIMENSIONS

TES Model	Reactor (mm/inch)				h x w		Weight		In-Out
	A	B	C	D	mm	inch	kg	lb	inch
TES 18	460/24.80	415/8.03	220/866	950/374	630 x 204	24.80 x 8.03	15	33	2
TES 25	820/38.97	770/8.03	220/866	950/374	990 x 204	38.97 x 8.03	20	44	2



Contacts

WWW.TRIOGEN.COM
WWW.DEGREMONT-TECHNOLOGIES.COM

Ozonia Triogen UK

Ozonia International UV
Ozonia France
Ozonia Switzerland
Ozonia North America
Ozonia Russia OOO
Ozonia Korea
Ozonia China
Ozonia Japan

• info-triogen@degtec.com
• info-ozoniaFR@degtec.com
• info-ozoniaFR@degtec.com
• info-ozoniaCH@degtec.com
• info-ozonia@degtec.com
• info-ozoniaRU@degtec.com
• info-ozoniaKR@degtec.com
• info-china@degtec.com
• info-japan@degtec.com

• + 44 141 810 4861
• + 33 1 46 253 950
• + 33 1 46 253 950
• + 41 44 801 8511
• + 1 201 794 3100
• + 7 831 220 3256
• + 82 31 701 9036
• + 86 10 659 73 860
• + 81 3 544 46 361

Your local distributor :